



Appendix A

DATA TABLES

[Part 1/1]

Table A1.1 Mean score and percentage of top performers in science, reading and mathematics

	Science						Reading				Mathematics					
	Mean score		Top performers				Mean score		Top performers		Mean score		Top performers			
			Level 5 (from 633.33 to 707.93 score points)		Level 6 (above 707.93 score points)				Level 5 (above 625.61 score points)				Level 5 (from 606.99 to 669.30 score points)		Level 6 (above 669.30 score points)	
	Mean	S.E.	%	S.E.	%	S.E.	Mean	S.E.	%	S.E.	Mean	S.E.	%	S.E.		
OECD																
Australia	527	(2.3)	11.8	(0.5)	2.8	(0.3)	513	(2.1)	10.6	(0.6)	520	(2.2)	12.1	(0.5)	4.3	(0.5)
Austria	511	(3.9)	8.8	(0.7)	1.2	(0.2)	490	(4.1)	9.0	(0.7)	505	(3.7)	12.3	(0.8)	3.5	(0.5)
Belgium	510	(2.5)	9.1	(0.5)	1.0	(0.2)	501	(3.0)	11.3	(0.6)	520	(3.0)	16.0	(0.7)	6.4	(0.4)
Canada	534	(2.0)	12.0	(0.5)	2.4	(0.2)	527	(2.4)	14.5	(0.7)	527	(2.0)	13.6	(0.6)	4.4	(0.4)
Czech Republic	513	(3.5)	9.8	(0.9)	1.8	(0.3)	483	(4.2)	9.2	(0.8)	510	(3.6)	12.3	(0.8)	6.0	(0.7)
Denmark	496	(3.1)	6.1	(0.7)	0.7	(0.2)	494	(3.2)	5.9	(0.6)	513	(2.6)	10.9	(0.6)	2.8	(0.4)
Finland	563	(2.0)	17.0	(0.7)	3.9	(0.3)	547	(2.1)	16.7	(0.8)	548	(2.3)	18.1	(0.8)	6.3	(0.5)
France	495	(3.4)	7.2	(0.6)	0.8	(0.2)	488	(4.1)	7.3	(0.7)	496	(3.2)	9.9	(0.7)	2.6	(0.5)
Germany	516	(3.8)	10.0	(0.6)	1.8	(0.2)	495	(4.4)	9.9	(0.7)	504	(3.9)	11.0	(0.8)	4.5	(0.5)
Greece	473	(3.2)	3.2	(0.3)	0.2	(0.1)	460	(4.0)	3.5	(0.4)	459	(3.0)	4.2	(0.5)	0.9	(0.2)
Hungary	504	(2.7)	6.2	(0.6)	0.6	(0.2)	482	(3.3)	4.7	(0.6)	491	(2.9)	7.7	(0.7)	2.6	(0.5)
Iceland	491	(1.6)	5.6	(0.5)	0.7	(0.2)	484	(1.9)	6.0	(0.5)	506	(1.8)	10.1	(0.7)	2.5	(0.3)
Ireland	508	(3.2)	8.3	(0.6)	1.1	(0.2)	517	(3.5)	11.7	(0.8)	501	(2.8)	8.6	(0.7)	1.6	(0.2)
Italy	475	(2.0)	4.2	(0.3)	0.4	(0.1)	469	(2.4)	5.2	(0.4)	462	(2.3)	5.0	(0.4)	1.3	(0.3)
Japan	531	(3.4)	12.4	(0.6)	2.6	(0.3)	498	(3.6)	9.4	(0.7)	523	(3.3)	13.5	(0.8)	4.8	(0.5)
Korea	522	(3.4)	9.2	(0.8)	1.1	(0.3)	556	(3.8)	21.7	(1.4)	547	(3.8)	18.0	(0.8)	9.1	(1.3)
Luxembourg	486	(1.1)	5.4	(0.3)	0.5	(0.1)	479	(1.3)	5.6	(0.4)	490	(1.1)	8.2	(0.5)	2.3	(0.3)
Mexico	410	(2.7)	0.3	(0.1)	0.0	a	410	(3.1)	0.6	(0.1)	406	(2.9)	0.8	(0.2)	0.1	(0.0)
Netherlands	525	(2.7)	11.5	(0.8)	1.7	(0.2)	507	(2.9)	9.1	(0.6)	531	(2.6)	15.8	(0.8)	5.4	(0.6)
New Zealand	530	(2.7)	13.6	(0.7)	4.0	(0.4)	521	(3.0)	15.9	(0.8)	522	(2.4)	13.2	(0.7)	5.7	(0.5)
Norway	487	(3.1)	5.5	(0.4)	0.6	(0.1)	484	(3.2)	7.7	(0.6)	490	(2.6)	8.3	(0.7)	2.1	(0.3)
Poland	498	(2.3)	6.1	(0.4)	0.7	(0.1)	508	(2.8)	11.6	(0.8)	495	(2.4)	8.6	(0.7)	2.0	(0.3)
Portugal	474	(3.0)	3.0	(0.4)	0.1	(0.1)	472	(3.6)	4.6	(0.5)	466	(3.1)	4.9	(0.4)	0.8	(0.2)
Slovak Republic	488	(2.6)	5.2	(0.5)	0.6	(0.1)	466	(3.1)	5.4	(0.5)	492	(2.8)	8.6	(0.7)	2.4	(0.4)
Spain	488	(2.6)	4.5	(0.4)	0.3	(0.1)	461	(2.2)	1.8	(0.2)	480	(2.3)	6.1	(0.4)	1.2	(0.2)
Sweden	503	(2.4)	6.8	(0.5)	1.1	(0.2)	507	(3.4)	10.6	(0.8)	502	(2.4)	9.7	(0.6)	2.9	(0.4)
Switzerland	512	(3.2)	9.1	(0.8)	1.4	(0.3)	499	(3.1)	7.7	(0.7)	530	(3.2)	15.9	(0.7)	6.8	(0.6)
Turkey	424	(3.8)	0.9	(0.3)	0.0	a	447	(4.2)	2.1	(0.6)	424	(4.9)	3.0	(0.8)	1.2	(0.5)
United Kingdom	515	(2.3)	10.9	(0.5)	2.9	(0.3)	495	(2.3)	9.0	(0.6)	495	(2.1)	8.7	(0.5)	2.5	(0.3)
United States	489	(4.2)	7.5	(0.6)	1.5	(0.2)	m	m	m	m	474	(4.0)	6.4	(0.7)	1.3	(0.2)
OECD total	491	(1.2)	7.4	(0.2)	1.4	(0.1)	484	(1.0)	8.1	(0.2)	484	(1.2)	8.3	(0.2)	2.6	(0.1)
OECD average	500	(0.5)	7.7	(0.1)	1.3	(0.0)	492	(0.6)	8.6	(0.1)	498	(0.5)	10.0	(0.1)	3.3	(0.1)
Partners																
Argentina	391	(6.1)	0.4	(0.1)	0.0	a	374	(7.2)	0.9	(0.2)	381	(6.2)	0.9	(0.3)	0.1	(0.1)
Azerbaijan	382	(2.8)	0.0	a	0.0	a	353	(3.1)	0.1	(0.1)	476	(2.3)	0.6	(0.3)	0.2	(0.1)
Brazil	390	(2.8)	0.5	(0.2)	0.0	(0.0)	393	(3.7)	1.1	(0.3)	370	(2.9)	0.8	(0.3)	0.2	(0.1)
Bulgaria	434	(6.1)	2.6	(0.5)	0.4	(0.2)	402	(6.9)	2.1	(0.5)	413	(6.1)	2.5	(0.6)	0.6	(0.3)
Chile	438	(4.3)	1.8	(0.3)	0.1	(0.1)	442	(5.0)	3.5	(0.6)	411	(4.6)	1.3	(0.3)	0.1	(0.1)
Colombia	388	(3.4)	0.2	(0.1)	0.0	a	385	(5.1)	0.6	(0.2)	370	(3.8)	0.4	(0.2)	0.0	(0.0)
Croatia	493	(2.4)	4.6	(0.4)	0.5	(0.1)	477	(2.8)	3.7	(0.4)	467	(2.4)	4.0	(0.5)	0.8	(0.2)
Estonia	531	(2.5)	10.1	(0.7)	1.4	(0.3)	501	(2.9)	6.0	(0.6)	515	(2.7)	10.0	(0.6)	2.6	(0.4)
Hong Kong-China	542	(2.5)	13.9	(0.8)	2.1	(0.3)	536	(2.4)	12.8	(0.8)	547	(2.7)	18.7	(0.8)	9.0	(0.8)
Indonesia	393	(5.7)	0.0	a	a	a	393	(5.9)	0.1	(0.0)	391	(5.6)	0.4	(0.2)	0.0	a
Israel	454	(3.7)	4.4	(0.5)	0.8	(0.2)	439	(4.6)	5.0	(0.5)	442	(4.3)	4.8	(0.5)	1.3	(0.2)
Jordan	422	(2.8)	0.6	(0.2)	0.0	a	401	(3.3)	0.2	(0.1)	384	(3.3)	0.2	(0.1)	0.0	a
Kyrgyzstan	322	(2.9)	0.0	a	a	a	285	(3.5)	0.1	(0.1)	311	(3.4)	0.0	(0.1)	0.0	a
Latvia	490	(3.0)	3.8	(0.4)	0.3	(0.1)	479	(3.7)	4.5	(0.5)	486	(3.0)	5.5	(0.5)	1.1	(0.3)
Liechtenstein	522	(4.1)	10.0	(1.8)	2.2	(0.8)	510	(3.9)	9.8	(1.8)	525	(4.2)	12.6	(2.1)	5.8	(1.2)
Lithuania	488	(2.8)	4.5	(0.6)	0.4	(0.2)	470	(3.0)	4.4	(0.5)	486	(2.9)	7.3	(0.8)	1.8	(0.4)
Macao-China	511	(1.1)	5.0	(0.3)	0.3	(0.1)	492	(1.1)	3.0	(0.3)	525	(1.3)	13.6	(0.6)	3.8	(0.4)
Montenegro	412	(1.1)	0.3	(0.1)	0.0	a	392	(1.2)	0.4	(0.2)	399	(1.4)	0.8	(0.2)	0.1	(0.1)
Qatar	349	(0.9)	0.3	(0.1)	0.0	(0.0)	312	(1.2)	0.6	(0.1)	318	(1.0)	0.5	(0.1)	0.1	(0.0)
Romania	418	(4.2)	0.5	(0.1)	0.0	a	396	(4.7)	0.3	(0.1)	415	(4.2)	1.1	(0.3)	0.1	(0.1)
Russian Federation	479	(3.7)	3.7	(0.5)	0.5	(0.1)	440	(4.3)	1.7	(0.3)	476	(3.9)	5.7	(0.6)	1.7	(0.3)
Serbia	436	(3.0)	0.8	(0.2)	0.0	a	401	(3.5)	0.3	(0.1)	435	(3.5)	2.4	(0.4)	0.4	(0.1)
Slovenia	519	(1.1)	10.7	(0.6)	2.2	(0.3)	494	(1.0)	5.3	(0.5)	504	(1.0)	10.3	(0.8)	3.4	(0.4)
Chinese Taipei	532	(3.6)	12.9	(0.8)	1.7	(0.2)	496	(3.4)	4.7	(0.6)	549	(4.1)	20.1	(0.9)	11.8	(0.8)
Thailand	421	(2.1)	0.4	(0.1)	0.0	a	417	(2.6)	0.3	(0.1)	417	(2.3)	1.1	(0.2)	0.2	(0.1)
Tunisia	386	(3.0)	0.1	(0.1)	0.0	a	380	(4.0)	0.2	(0.1)	365	(4.0)	0.5	(0.2)	0.0	a
Uruguay	428	(2.7)	1.3	(0.2)	0.1	(0.1)	413	(3.4)	3.1	(0.4)	427	(2.6)	2.6	(0.4)	0.6	(0.2)

[Part 1/2]

Table A2.1b Overlapping of top performers in science, reading and mathematics, by gender

	Females														Percentage of female top performers in science, who are top performers in reading and mathematics as well				
	Females who are:																		
	not top performers in any of the three domains		top performers only in science		top performers only in reading		top performers only in mathematics		top performers in science and reading but not in mathematics		top performers in science and mathematics but not in reading		top performers in reading and mathematics but not in science				top performers in all three domains		
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.			%	S.E.	
OECD	Australia	79.1	(0.9)	2.7	(0.4)	3.0	(0.4)	2.7	(0.4)	2.0	(0.3)	2.0	(0.3)	1.6	(0.2)	6.9	(0.5)	50.8	(2.9)
	Austria	81.0	(1.4)	0.9	(0.4)	4.3	(0.7)	4.2	(0.6)	1.7	(0.4)	1.4	(0.3)	1.8	(0.4)	4.6	(0.4)	53.6	(4.8)
	Belgium	75.6	(1.2)	0.5	(0.2)	3.7	(0.5)	8.1	(0.7)	0.7	(0.2)	1.7	(0.3)	3.7	(0.4)	6.0	(0.6)	67.4	(3.5)
	Canada	74.9	(1.0)	2.0	(0.4)	5.8	(0.8)	3.6	(0.4)	2.5	(0.4)	1.7	(0.2)	2.6	(0.3)	6.9	(0.5)	52.7	(2.9)
	Czech Republic	77.6	(1.8)	1.1	(0.3)	3.1	(0.5)	5.9	(0.9)	1.0	(0.3)	2.5	(0.5)	2.2	(0.5)	6.5	(0.9)	58.3	(3.7)
	Denmark	84.8	(1.0)	0.4	(0.2)	2.0	(0.4)	5.5	(0.8)	0.5	(0.2)	1.6	(0.4)	1.8	(0.5)	3.3	(0.5)	57.3	(6.2)
	Finland	66.7	(1.3)	2.5	(0.4)	6.1	(0.8)	4.4	(0.7)	3.6	(0.5)	2.8	(0.4)	2.6	(0.4)	11.4	(0.8)	56.2	(2.8)
	France	83.4	(1.2)	0.9	(0.2)	4.2	(0.8)	4.7	(0.6)	0.8	(0.4)	2.1	(0.4)	1.1	(0.3)	2.7	(0.6)	42.2	(6.5)
	Germany	81.2	(1.1)	1.3	(0.4)	4.2	(0.6)	2.8	(0.5)	1.3	(0.3)	1.7	(0.3)	1.9	(0.6)	5.5	(0.6)	55.8	(4.6)
	Greece	92.2	(0.8)	0.8	(0.3)	2.6	(0.4)	1.8	(0.4)	0.7	(0.3)	0.5	(0.2)	0.5	(0.2)	0.8	(0.2)	28.8	(7.8)
	Hungary	88.6	(1.2)	0.7	(0.3)	2.1	(0.4)	2.9	(0.4)	0.7	(0.3)	1.2	(0.4)	1.1	(0.3)	2.6	(0.5)	50.4	(7.1)
	Iceland	84.2	(1.1)	1.2	(0.4)	2.5	(0.5)	5.3	(0.6)	0.6	(0.3)	1.4	(0.5)	2.0	(0.6)	1.2	(0.3)	53.4	(9.0)
	Ireland	82.2	(1.2)	0.8	(0.4)	6.2	(0.8)	1.4	(0.5)	2.3	(0.5)	0.7	(0.3)	1.7	(0.4)	3.2	(0.5)	52.5	(6.2)
	Italy	90.0	(0.7)	0.5	(0.2)	4.0	(0.4)	1.6	(0.3)	0.9	(0.2)	0.7	(0.2)	0.6	(0.1)	0.1	(0.1)	30.0	(4.8)
	Japan	79.0	(1.6)	2.9	(0.4)	2.5	(0.5)	4.2	(0.7)	1.8	(0.3)	3.2	(0.5)	1.2	(0.3)	5.3	(0.7)	40.0	(3.4)
	Korea	65.8	(2.1)	0.1	(0.1)	9.1	(1.1)	6.2	(0.8)	0.8	(0.3)	0.5	(0.2)	9.4	(1.1)	8.1	(1.1)	84.7	(4.4)
	Luxembourg	88.1	(0.7)	0.6	(0.2)	2.7	(0.4)	3.4	(0.6)	0.7	(0.2)	0.8	(0.2)	1.4	(0.3)	2.3	(0.4)	52.2	(5.9)
	Mexico	98.7	(0.3)	0.1	(0.1)	0.6	(0.1)	0.4	(0.1)	0.0	(0.0)	0.1	(0.1)	0.1	(0.0)	0.0	(0.0)	17.3	(16.2)
	Netherlands	77.3	(1.1)	1.2	(0.4)	2.2	(0.5)	7.1	(0.9)	0.7	(0.2)	3.3	(0.6)	2.2	(0.4)	6.0	(0.6)	53.1	(4.2)
	New Zealand	72.9	(1.5)	2.2	(0.5)	5.5	(0.6)	3.2	(0.6)	3.3	(0.5)	2.6	(0.6)	1.6	(0.4)	8.8	(0.7)	52.0	(3.2)
	Norway	84.9	(1.0)	0.6	(0.2)	4.8	(0.9)	3.0	(0.6)	1.0	(0.3)	1.1	(0.4)	1.8	(0.6)	2.8	(0.6)	50.6	(6.8)
	Poland	82.1	(1.2)	0.4	(0.2)	7.7	(0.7)	2.4	(0.4)	1.2	(0.4)	0.6	(0.2)	2.3	(0.4)	3.3	(0.4)	60.1	(5.5)
	Portugal	92.3	(0.8)	0.3	(0.1)	3.2	(0.5)	1.4	(0.4)	0.5	(0.2)	0.3	(0.2)	0.8	(0.3)	1.2	(0.2)	51.8	(8.4)
	Slovak Republic	87.3	(1.1)	0.5	(0.2)	2.7	(0.6)	3.9	(0.8)	0.7	(0.2)	1.1	(0.2)	1.4	(0.4)	2.5	(0.4)	52.8	(5.6)
	Spain	92.0	(0.7)	1.4	(0.3)	0.9	(0.2)	2.6	(0.3)	0.3	(0.1)	1.6	(0.3)	0.3	(0.1)	0.8	(0.2)	20.5	(4.8)
	Sweden	80.6	(1.3)	0.6	(0.3)	6.1	(0.8)	3.4	(0.8)	1.1	(0.3)	0.9	(0.3)	2.7	(0.6)	4.6	(0.5)	64.5	(5.3)
	Switzerland	77.0	(1.5)	0.6	(0.2)	1.6	(0.3)	9.3	(0.7)	0.5	(0.2)	2.7	(0.4)	2.4	(0.4)	6.0	(0.7)	61.5	(4.4)
	Turkey	94.9	(1.3)	0.1	(0.1)	1.7	(0.6)	1.7	(0.6)	0.1	(0.1)	0.4	(0.2)	0.8	(0.4)	0.4	(0.2)	42.8	(14.3)
	United Kingdom	83.8	(0.9)	2.6	(0.4)	2.6	(0.3)	1.4	(0.3)	2.7	(0.4)	1.6	(0.3)	0.7	(0.2)	4.6	(0.5)	40.3	(3.5)
	United States	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	OECD average	82.7	(0.2)	1.1	(0.1)	3.7	(0.1)	3.7	(0.1)	1.2	(0.1)	1.5	(0.1)	1.9	(0.1)	4.1	(0.1)	50.1	(1.2)
Partners	Argentina	97.7	(0.7)	0.1	(0.1)	1.0	(0.3)	0.7	(0.5)	0.0	(0.0)	0.2	(0.2)	0.1	(0.2)	0.1	(0.1)	17.1	(21.0)
	Azerbaijan	99.1	(0.3)	a	a	0.0	(0.0)	0.8	(0.3)	a	a	a	a	0.1	(0.0)	a	a	a	a
	Brazil	98.2	(0.4)	0.1	(0.1)	1.0	(0.3)	0.3	(0.1)	0.1	(0.1)	0.1	(0.1)	0.2	(0.1)	0.2	(0.1)	41.3	(18.0)
	Bulgaria	94.5	(1.1)	1.0	(0.4)	1.6	(0.5)	1.0	(0.4)	0.5	(0.3)	0.7	(0.3)	0.2	(0.1)	0.5	(0.2)	19.4	(5.2)
	Chile	95.5	(0.9)	0.6	(0.3)	2.9	(0.6)	0.1	(0.1)	0.5	(0.3)	0.1	(0.1)	0.2	(0.1)	0.2	(0.1)	13.7	(7.8)
	Colombia	99.0	(0.5)	0.1	(0.1)	0.7	(0.4)	0.2	(0.1)	0.0	(0.0)	0.0	(0.0)	0.1	(0.1)	0.0	(0.0)	29.9	(46.6)
	Croatia	91.8	(0.9)	1.3	(0.3)	2.5	(0.5)	0.7	(0.3)	1.4	(0.4)	0.6	(0.3)	0.3	(0.2)	1.4	(0.3)	30.2	(6.8)
	Estonia	83.4	(1.3)	2.3	(0.4)	2.0	(0.5)	2.6	(0.4)	1.2	(0.3)	2.4	(0.5)	0.8	(0.4)	5.2	(0.8)	46.5	(4.9)
	Hong Kong-China	70.1	(1.9)	1.0	(0.4)	3.6	(0.5)	8.4	(1.1)	0.7	(0.3)	3.7	(0.5)	3.6	(0.8)	8.9	(0.9)	61.9	(3.7)
	Indonesia	99.7	(0.2)	1.1	(0.3)	0.1	(0.1)	0.2	(0.1)	0.0	(0.0)	a	a	0.0	(0.0)	4.5	(0.7)	0.0	(0.0)
	Israel	91.0	(1.1)	1.0	(0.2)	2.5	(0.6)	1.9	(0.4)	1.0	(0.2)	0.5	(0.2)	0.7	(0.3)	1.1	(0.2)	30.7	(6.7)
	Jordan	99.0	(0.2)	a	a	0.2	(0.1)	0.0	(0.0)	0.1	(0.1)	0.1	(0.1)	0.0	(0.0)	a	a	4.6	(9.5)
	Kyrgyzstan	99.9	(0.1)	a	a	0.1	(0.1)	0.0	(0.0)	a	a	0.0	(0.0)	0.0	(0.0)	a	a	0.0	(0.0)
	Latvia	90.0	(1.0)	0.8	(0.3)	3.0	(0.5)	2.0	(0.5)	0.6	(0.2)	0.7	(0.2)	1.2	(0.3)	1.7	(0.4)	43.5	(7.1)
	Liechtenstein	77.5	(3.2)	0.8	(0.7)	2.0	(1.5)	6.3	(2.0)	0.8	(0.8)	1.2	(0.9)	2.0	(1.4)	9.7	(2.4)	78.8	(11.7)
	Lithuania	88.0	(1.1)	0.8	(0.3)	2.4	(0.6)	3.2	(0.7)	0.4	(0.2)	1.5	(0.4)	1.0	(0.4)	2.7	(0.5)	49.9	(5.1)
	Macao-China	83.8	(0.9)	0.6	(0.3)	1.3	(0.3)	9.8	(1.1)	0.1	(0.1)	2.2	(0.4)	1.1	(0.2)	1.1	(0.3)	28.2	(6.6)
	Montenegro	98.7	(0.3)	0.0	(0.0)	0.4	(0.2)	0.5	(0.2)	0.2	(0.2)	0.1	(0.1)	0.1	(0.1)	0.1	(0.1)	40.4	(35.8)
	Qatar	99.1	(0.2)	0.1	(0.1)	0.4	(0.1)	0.2	(0.1)	0.1	(0.1)	0.0	(0.0)	0.1	(0.1)	0.1	(0.1)	35.0	(20.8)
	Romania	98.8	(0.4)	0.1	(0.1)	0.4	(0.2)	0.6	(0.3)	0.1	(0.0)	0.1	(0.1)	0.1	(0.1)	0.0	(0.0)	3.4	(10.2)
	Russian Federation	91.5	(0.9)	0.9	(0.2)	1.0	(0.2)	3.8	(0.6)	0.2	(0.1)	1.5	(0.4)	0.3	(0.1)	0.7	(0.2)	21.5	(5.5)
	Serbia	97.5	(0.5)	0.2	(0.1)	0.2	(0.1)	1.6	(0.5)	0.1	(0.1)	0.2	(0.1)	0.1	(0.1)	0.1	(0.1)	9.2	(11.2)
	Slovenia	81.7	(1.0)	2.8	(0.4)	1.1	(0.4)	3.5	(0.7)	1.9	(0.4)	4.2	(0.6)	0.5	(0.2)	4.3	(0.6)	32.5	(3.9)
	Chinese Taipei	70.0	(2.1)	0.8	(0.2)	0.3	(0.1)	15.6	(1.2)	0.2	(0.1)	7.6	(0.8)	0.8	(0.3)	4.8	(0.8)	36.1	(4.0)
	Thailand	98.5	(0.3)	0.1	(0.1)	0.2	(0.1)	0.9	(0.3)	0.0	(0.0)	0.1	(0.1)	0.1	(0.1)	0.1	(0.1)	19.8	(14.6)
	Tunisia	99.5	(0.3)	0.1	(0.1)	0.1	(0.1)	0.2	(0.2)	0.0	(0.0)	0.1	(0.1)	0.0	(0.0)	a	a	0.0	(0.0)
	Uruguay	94.6	(0.6)	0.3	(0.3)	2.7	(0.5)	1.2	(0.4)	0.3	(0.2)	0.1	(0.1)	0.5	(0.2)	0.3	(0.1)	28.2	(15.0)



[Part 2/2]

Table A2.1b Overlapping of top performers in science, reading and mathematics, by gender

	Males										Percentage of male top performers in science, who are top performers in reading and mathematics as well								
	Males who are:																		
	not top performers in any of the three domains		top performers only in science		top performers only in reading		top performers only in mathematics		top performers in science and reading but not in mathematics			top performers in science and mathematics but not in reading		top performers in reading and mathematics but not in science		top performers in all three domains			
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.		%	S.E.	%	S.E.	%	S.E.		
OECD	Australia	76.9	(1.3)	2.8	(0.3)	0.3	(0.1)	6.3	(0.6)	0.4	(0.1)	6.0	(0.4)	0.8	(0.2)	6.4	(0.7)	41.0	(2.7)
	Austria	78.5	(1.5)	1.3	(0.3)	0.4	(0.1)	9.2	(0.9)	0.4	(0.2)	5.3	(0.8)	0.7	(0.3)	4.2	(0.5)	37.1	(4.1)
	Belgium	73.3	(1.1)	0.6	(0.2)	0.9	(0.2)	12.8	(0.8)	0.3	(0.1)	4.6	(0.4)	1.9	(0.3)	5.6	(0.4)	50.4	(3.3)
	Canada	73.7	(1.0)	2.9	(0.4)	1.5	(0.2)	7.5	(0.6)	1.0	(0.3)	4.7	(0.5)	1.7	(0.4)	7.1	(0.5)	45.5	(2.5)
	Czech Republic	78.7	(1.4)	1.3	(0.4)	0.5	(0.3)	8.1	(0.7)	0.3	(0.2)	5.6	(0.7)	0.8	(0.3)	4.7	(0.6)	39.5	(3.7)
	Denmark	83.2	(1.1)	0.8	(0.4)	0.5	(0.3)	7.9	(0.7)	0.4	(0.2)	4.0	(0.8)	0.7	(0.3)	2.6	(0.7)	33.4	(7.2)
	Finland	67.7	(1.4)	3.4	(0.5)	0.5	(0.3)	9.4	(0.8)	0.6	(0.2)	9.9	(0.9)	0.8	(0.3)	7.7	(0.7)	35.6	(3.0)
	France	81.9	(1.3)	1.7	(0.3)	1.2	(0.4)	6.5	(0.9)	0.7	(0.3)	4.3	(0.6)	0.8	(0.3)	2.9	(0.5)	30.4	(4.0)
	Germany	78.0	(1.5)	2.2	(0.4)	0.6	(0.2)	6.8	(0.9)	0.5	(0.3)	6.0	(0.7)	0.9	(0.3)	5.0	(0.7)	36.3	(3.6)
	Greece	91.3	(0.9)	1.2	(0.3)	0.7	(0.4)	3.8	(0.5)	0.4	(0.1)	1.4	(0.3)	0.3	(0.2)	1.0	(0.3)	23.9	(5.7)
	Hungary	85.4	(1.2)	1.5	(0.3)	0.3	(0.2)	5.6	(0.8)	0.3	(0.1)	4.4	(0.8)	0.3	(0.2)	2.3	(0.4)	26.8	(4.3)
	Iceland	85.0	(1.0)	1.0	(0.2)	0.5	(0.2)	7.2	(0.8)	0.2	(0.1)	3.1	(0.5)	0.6	(0.3)	2.4	(0.4)	36.5	(4.8)
	Ireland	83.2	(1.4)	1.9	(0.4)	1.6	(0.5)	3.9	(0.7)	1.1	(0.4)	2.3	(0.4)	1.0	(0.3)	5.0	(0.7)	48.8	(3.7)
	Italy	88.6	(0.8)	1.3	(0.2)	1.4	(0.2)	4.1	(0.5)	0.4	(0.1)	2.4	(0.3)	0.6	(0.1)	1.4	(0.3)	25.5	(4.1)
	Japan	73.0	(1.6)	3.1	(0.5)	0.6	(0.3)	8.4	(0.9)	0.6	(0.2)	7.4	(0.7)	1.1	(0.3)	5.8	(0.7)	34.4	(3.7)
	Korea	67.0	(2.1)	0.3	(0.2)	2.4	(0.4)	13.7	(1.2)	0.5	(0.2)	2.8	(0.8)	5.9	(0.8)	7.6	(0.9)	68.4	(4.8)
	Luxembourg	85.1	(0.9)	0.9	(0.2)	0.4	(0.2)	6.5	(0.7)	0.4	(0.2)	3.3	(0.5)	0.7	(0.2)	2.7	(0.4)	36.6	(5.7)
	Mexico	98.5	(0.3)	0.1	(0.1)	0.2	(0.1)	0.9	(0.3)	0.0	(0.0)	0.2	(0.1)	0.1	(0.0)	0.0	(0.0)	9.4	(5.8)
	Netherlands	74.3	(1.3)	1.4	(0.3)	0.3	(0.1)	9.4	(1.0)	0.3	(0.2)	7.6	(0.9)	1.0	(0.3)	5.6	(0.7)	37.4	(3.9)
	New Zealand	73.5	(1.3)	2.2	(0.4)	1.3	(0.4)	5.9	(0.7)	1.1	(0.4)	6.0	(0.7)	0.9	(0.4)	9.1	(0.9)	49.6	(3.8)
	Norway	85.4	(1.2)	1.0	(0.2)	1.2	(0.3)	5.9	(0.7)	0.4	(0.2)	2.6	(0.5)	0.8	(0.2)	2.7	(0.4)	40.8	(4.7)
	Poland	83.1	(1.2)	1.2	(0.3)	2.4	(0.4)	4.8	(0.6)	0.6	(0.2)	2.2	(0.4)	1.6	(0.3)	4.1	(0.5)	50.1	(4.8)
	Portugal	90.6	(0.9)	0.5	(0.2)	0.8	(0.2)	3.8	(0.4)	0.2	(0.2)	1.5	(0.4)	0.7	(0.3)	1.7	(0.4)	43.1	(7.1)
	Slovak Republic	85.2	(1.2)	1.0	(0.4)	0.5	(0.2)	6.9	(0.9)	0.3	(0.1)	3.3	(0.5)	0.6	(0.2)	2.2	(0.4)	32.3	(4.3)
	Spain	89.1	(0.8)	1.6	(0.3)	0.2	(0.1)	4.9	(0.5)	0.1	(0.1)	3.3	(0.3)	0.2	(0.1)	0.7	(0.2)	12.1	(2.8)
	Sweden	83.1	(1.2)	1.2	(0.3)	1.6	(0.4)	5.6	(0.8)	0.6	(0.2)	3.2	(0.6)	1.2	(0.3)	3.6	(0.5)	41.7	(4.8)
	Switzerland	74.1	(1.3)	0.8	(0.2)	0.2	(0.1)	13.9	(1.0)	0.2	(0.1)	6.1	(0.6)	0.7	(0.2)	4.1	(0.5)	36.8	(3.3)
	Turkey	94.3	(1.5)	0.1	(0.1)	0.5	(0.3)	3.7	(1.0)	0.1	(0.0)	0.4	(0.2)	0.5	(0.2)	0.3	(0.3)	34.3	(21.4)
	United Kingdom	79.8	(0.9)	4.4	(0.5)	0.7	(0.2)	3.1	(0.5)	1.2	(0.3)	5.3	(0.6)	0.4	(0.2)	5.2	(0.4)	32.7	(2.2)
	United States	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	OECD average	81.4	(0.2)	1.5	(0.1)	0.8	(0.1)	6.8	(0.1)	0.5	(0.0)	4.1	(0.1)	1.0	(0.1)	3.9	(0.1)	36.9	(1.1)
Partners	Argentina	98.4	(0.5)	0.2	(0.1)	0.3	(0.3)	0.7	(0.3)	0.1	(0.1)	0.1	(0.1)	0.1	(0.1)	0.1	(0.1)	13.3	(11.2)
	Azerbaijan	98.9	(0.5)	a	a	0.2	(0.1)	0.9	(0.4)	a	a	0.0	(0.0)	0.0	(0.0)	a	a	a	a
	Brazil	98.0	(0.6)	0.2	(0.1)	0.4	(0.1)	0.6	(0.2)	0.1	(0.1)	0.3	(0.2)	0.2	(0.1)	0.3	(0.2)	33.4	(18.7)
	Bulgaria	94.4	(1.1)	1.3	(0.4)	0.4	(0.2)	1.8	(0.5)	0.3	(0.2)	1.2	(0.4)	0.1	(0.1)	0.6	(0.3)	17.2	(8.4)
	Chile	94.4	(1.1)	0.9	(0.3)	2.0	(0.6)	0.8	(0.3)	0.4	(0.2)	0.5	(0.2)	0.4	(0.2)	0.6	(0.3)	24.3	(8.8)
	Colombia	99.0	(0.3)	0.1	(0.1)	0.3	(0.2)	0.4	(0.3)	0.0	(0.0)	0.1	(0.1)	0.0	(0.0)	0.1	(0.1)	13.3	(21.8)
	Croatia	91.6	(0.8)	1.5	(0.3)	0.3	(0.1)	2.5	(0.5)	0.2	(0.2)	2.5	(0.4)	0.1	(0.1)	1.3	(0.3)	23.0	(4.4)
	Estonia	83.2	(1.1)	2.7	(0.5)	0.1	(0.1)	4.9	(0.6)	0.2	(0.2)	6.3	(0.7)	0.1	(0.1)	2.7	(0.4)	22.7	(3.0)
	Hong Kong-China	66.9	(1.7)	1.2	(0.3)	0.7	(0.2)	13.5	(1.3)	0.3	(0.1)	9.6	(0.9)	1.3	(0.4)	6.5	(0.9)	36.9	(3.4)
	Indonesia	99.4	(0.3)	a	a	0.0	(0.0)	0.5	(0.3)	a	a	0.1	(0.0)	0.1	(0.0)	a	a	0.0	(0.0)
	Israel	88.2	(1.2)	2.0	(0.5)	1.1	(0.3)	3.5	(0.7)	0.8	(0.2)	1.7	(0.4)	0.6	(0.3)	2.1	(0.4)	32.2	(4.9)
	Jordan	99.1	(0.3)	0.4	(0.2)	0.1	(0.1)	0.2	(0.2)	0.0	(0.0)	0.1	(0.1)	0.0	(0.0)	0.0	(0.0)	2.8	(5.2)
	Kyrgyzstan	99.9	(0.1)	0.0	(0.1)	0.0	(0.0)	0.1	(0.1)	a	a	0.0	(0.0)	0.0	(0.0)	a	a	0.0	(0.0)
	Latvia	90.6	(1.1)	0.8	(0.2)	0.7	(0.4)	4.0	(0.6)	0.2	(0.1)	2.1	(0.5)	0.3	(0.1)	1.2	(0.3)	28.6	(7.5)
	Liechtenstein	81.1	(3.1)	a	a	1.1	(1.0)	6.7	(2.6)	0.6	(0.6)	6.7	(2.6)	a	a	4.3	(2.1)	36.6	(18.6)
	Lithuania	89.0	(1.1)	0.5	(0.2)	0.5	(0.2)	5.7	(0.7)	0.2	(0.1)	2.5	(0.5)	0.2	(0.2)	1.4	(0.4)	30.6	(7.2)
	Macao-China	78.6	(1.1)	0.5	(0.2)	0.3	(0.2)	14.0	(1.2)	0.1	(0.1)	4.6	(0.6)	0.6	(0.3)	1.4	(0.3)	21.8	(5.1)
	Montenegro	98.9	(0.3)	0.1	(0.1)	a	a	0.7	(0.3)	0.1	(0.1)	0.1	(0.1)	0.1	(0.1)	0.1	(0.1)	47.1	(29.6)
	Qatar	98.8	(0.2)	0.1	(0.1)	0.1	(0.1)	0.5	(0.2)	0.1	(0.1)	0.1	(0.1)	0.1	(0.1)	0.2	(0.1)	42.1	(21.7)
	Romania	97.9	(0.5)	0.2	(0.1)	0.1	(0.1)	1.3	(0.3)	0.0	(0.0)	0.5	(0.2)	a	a	0.0	(0.0)	5.1	(6.0)
	Russian Federation	89.5	(1.1)	1.6	(0.5)	0.2	(0.1)	5.0	(0.7)	0.1	(0.1)	2.9	(0.4)	0.2	(0.1)	0.6	(0.2)	11.0	(4.1)
	Serbia	96.0	(0.6)	0.3	(0.2)	0.0	(0.0)	2.8	(0.6)	a	a	0.7	(0.3)	0.1	(0.1)	0.1	(0.0)	5.4	(5.5)
	Slovenia	82.1	(0.9)	2.7	(0.6)	0.1	(0.1)	5.0	(0.8)	0.2	(0.2)	7.4	(0.7)	0.1	(0.1)	2.4	(0.5)	18.6	(3.6)
	Chinese Taipei	64.3	(1.8)	0.9	(0.2)	0.0	(0.0)	19.6	(1.0)	0.1	(0.0)	11.7	(0.9)	0.3	(0.1)	3.1	(0.6)	19.8	(2.6)
	Thailand	98.2	(0.4)	0.1	(0.1)	0.1	(0.1)	1.3	(0.4)	a	a	0.3	(0.2)	0.0	(0.0)	0.1	(0.1)	12.2	(16.1)
	Tunisia	99.1	(0.4)	0.1	(0.1)	0.1	(0.1)	0.6	(0.4)	a	a	0.1	(0.1)	0.1	(0.1)	0.1	(0.1)	10.4	(29.9)
	Uruguay	93.7	(0.7)	0.5	(0.2)	1.2	(0.4)	2.8	(0.4)	0.2	(0.1)	0.6	(0.2)	0.4	(0.1)	0.6	(0.2)	28.9	(8.6)

[Part 1/3]

Table A2.2 Percentage of students by performance group in science, reading and mathematics, by gender

	Science														Difference in the percentages of top performers between females and males				
	Females								Males										
	Lowest performers		Moderate performers		Strong performers		Top performers		Lowest performers		Moderate performers		Strong performers				Top performers		
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.			%	S.E.	
<i>OECD</i>	Australia	11.8	(0.7)	49.7	(0.9)	25.0	(0.7)	13.6	(0.8)	13.9	(0.8)	46.3	(0.9)	24.2	(0.7)	15.6	(1.0)	-2.1	(1.3)
	Austria	17.5	(2.0)	49.8	(2.3)	24.1	(1.6)	8.6	(0.9)	15.2	(1.5)	50.3	(1.6)	23.3	(1.4)	11.3	(1.0)	-2.6	(1.2)
	Belgium	16.0	(1.2)	50.7	(1.4)	24.4	(1.2)	8.9	(0.7)	17.9	(1.3)	46.4	(1.4)	24.5	(0.9)	11.2	(0.7)	-2.3	(0.9)
	Canada	9.4	(0.7)	50.2	(1.1)	27.2	(0.9)	13.2	(0.7)	10.6	(0.8)	45.6	(1.0)	28.1	(0.9)	15.7	(0.7)	-2.5	(0.9)
	Czech Republic	17.1	(1.6)	49.5	(1.6)	22.2	(1.3)	11.2	(1.3)	14.3	(1.3)	52.5	(1.5)	21.4	(1.4)	11.9	(1.1)	-0.7	(1.4)
	Denmark	19.0	(1.4)	57.1	(1.3)	18.1	(1.1)	5.8	(0.6)	17.8	(1.3)	53.5	(1.3)	21.0	(1.2)	7.8	(1.0)	-2.0	(1.0)
	Finland	3.2	(0.6)	42.9	(1.3)	33.7	(1.2)	20.2	(1.0)	5.0	(0.6)	42.6	(1.2)	30.8	(1.1)	21.6	(1.1)	-1.4	(1.4)
	France	20.4	(1.5)	52.3	(1.9)	20.8	(1.3)	6.5	(0.9)	22.0	(1.7)	47.5	(1.9)	20.9	(1.3)	9.6	(0.9)	-3.2	(1.2)
	Germany	15.8	(1.5)	51.0	(1.3)	23.3	(1.1)	9.8	(0.8)	14.9	(1.5)	47.6	(1.5)	23.8	(1.4)	13.7	(1.1)	-3.8	(1.3)
	Greece	19.9	(1.3)	63.2	(1.4)	14.1	(1.1)	2.8	(0.5)	28.1	(1.9)	53.6	(1.7)	14.2	(1.1)	4.0	(0.5)	-1.2	(0.2)
	Hungary	14.5	(1.3)	60.5	(1.5)	19.8	(1.3)	5.2	(0.8)	15.5	(1.3)	54.0	(1.8)	22.0	(1.1)	8.4	(1.0)	-3.3	(1.7)
	Iceland	18.7	(1.0)	56.5	(1.3)	18.8	(1.0)	6.0	(0.7)	22.4	(1.1)	51.8	(1.2)	19.2	(1.1)	6.6	(0.7)	-0.6	(1.0)
	Ireland	14.5	(1.1)	55.4	(1.3)	21.6	(1.2)	8.5	(0.8)	16.5	(1.5)	52.0	(1.6)	21.1	(1.1)	10.3	(1.0)	-1.8	(1.1)
	Italy	25.0	(1.1)	56.7	(1.1)	14.4	(0.7)	3.8	(0.4)	25.5	(1.2)	53.3	(1.1)	15.8	(0.7)	5.4	(0.5)	-1.6	(0.6)
	Japan	11.3	(1.5)	48.1	(1.6)	27.5	(1.6)	13.1	(1.0)	12.8	(1.4)	43.8	(1.3)	26.5	(1.5)	17.0	(1.1)	-3.8	(1.6)
	Korea	10.1	(1.3)	54.9	(1.8)	25.5	(1.3)	9.5	(1.1)	12.4	(1.5)	51.1	(1.7)	25.5	(1.3)	11.1	(1.4)	-1.6	(1.3)
	Luxembourg	22.2	(1.1)	56.9	(1.2)	16.5	(0.9)	4.4	(0.5)	22.0	(1.0)	51.0	(1.4)	19.6	(1.1)	7.3	(0.6)	-2.9	(0.9)
	Mexico	52.2	(1.4)	44.9	(1.3)	2.6	(0.4)	0.2	(0.1)	49.5	(1.7)	46.3	(1.6)	3.8	(0.4)	0.3	(0.1)	-0.1	(0.1)
	Netherlands	13.7	(1.4)	48.2	(1.5)	26.8	(1.3)	11.2	(0.8)	12.2	(1.1)	47.9	(1.4)	24.9	(1.3)	15.0	(1.1)	-3.7	(1.1)
	New Zealand	12.2	(0.8)	46.0	(1.4)	24.9	(1.1)	16.9	(1.1)	15.3	(1.1)	43.4	(1.2)	22.8	(1.1)	18.4	(1.1)	-1.5	(1.6)
Norway	19.6	(1.3)	57.4	(1.5)	17.5	(1.2)	5.5	(0.7)	22.4	(1.6)	54.2	(1.4)	16.7	(1.2)	6.7	(0.7)	-1.2	(1.0)	
Poland	16.7	(1.0)	58.4	(1.2)	19.5	(1.1)	5.4	(0.6)	17.3	(1.0)	55.4	(1.2)	19.1	(1.1)	8.1	(0.7)	-2.7	(0.8)	
Portugal	24.7	(1.6)	59.0	(1.4)	14.0	(1.2)	2.3	(0.3)	24.2	(1.8)	56.2	(1.7)	15.5	(1.0)	4.0	(0.6)	-1.8	(0.6)	
Slovak Republic	20.3	(1.5)	58.0	(1.6)	17.0	(1.3)	4.8	(0.5)	20.1	(1.4)	54.4	(1.6)	18.8	(1.4)	6.7	(0.8)	-2.0	(0.9)	
Spain	19.7	(1.1)	59.1	(1.1)	17.1	(0.9)	4.1	(0.5)	19.6	(1.1)	56.1	(0.9)	18.7	(1.0)	5.6	(0.5)	-1.5	(0.6)	
Sweden	15.5	(0.9)	56.8	(1.6)	20.6	(1.3)	7.2	(0.8)	17.2	(1.2)	52.7	(1.4)	21.5	(1.1)	8.6	(0.7)	-1.4	(1.1)	
Switzerland	16.6	(1.1)	50.6	(1.5)	23.0	(1.3)	9.8	(1.0)	15.6	(1.0)	49.3	(1.3)	24.0	(1.2)	11.1	(0.9)	-1.3	(0.9)	
Turkey	42.3	(2.2)	50.7	(2.0)	6.1	(1.2)	0.9	(0.4)	50.1	(2.0)	42.7	(1.8)	6.2	(1.3)	0.9	(0.4)	0.0	(0.4)	
United Kingdom	16.7	(1.0)	50.7	(1.1)	21.1	(1.0)	11.5	(0.8)	16.7	(1.0)	44.7	(1.1)	22.5	(0.8)	16.0	(0.9)	-4.5	(1.1)	
United States	23.0	(1.5)	50.8	(1.4)	18.0	(1.0)	8.2	(0.9)	25.8	(2.0)	45.7	(1.6)	18.6	(1.3)	10.0	(1.0)	-1.7	(1.1)	
OECD average	18.7	(0.2)	53.2	(0.3)	20.2	(0.2)	8.0	(0.1)	19.8	(0.2)	49.7	(0.3)	20.5	(0.2)	10.0	(0.2)	-2.0	(0.2)	
<i>Partners</i>	Argentina	54.0	(3.0)	40.9	(2.5)	4.6	(0.9)	0.5	(0.2)	58.8	(2.6)	37.3	(2.4)	3.4	(0.6)	0.4	(0.2)	0.0	(0.3)
	Azerbaijan	70.2	(2.0)	29.4	(2.0)	0.4	(0.2)	a	a	74.6	(2.1)	24.9	(2.1)	0.4	(0.2)	0.0	(0.0)	0.0	(0.0)
	Brazil	63.3	(1.6)	33.5	(1.5)	2.8	(0.5)	0.4	(0.2)	58.4	(1.5)	36.8	(1.3)	4.0	(0.5)	0.8	(0.3)	-0.4	(0.3)
	Bulgaria	38.3	(2.8)	47.5	(2.1)	11.4	(1.5)	2.8	(0.6)	46.7	(2.8)	40.7	(2.1)	9.2	(1.2)	3.3	(0.8)	-0.6	(0.6)
	Chile	44.3	(2.2)	47.7	(1.9)	6.6	(1.0)	1.3	(0.5)	35.8	(2.5)	51.9	(1.9)	9.9	(1.3)	2.4	(0.6)	-1.1	(0.8)
	Colombia	62.6	(2.4)	35.9	(2.3)	1.4	(0.4)	0.1	(0.1)	57.4	(2.3)	39.9	(2.3)	2.5	(0.5)	0.2	(0.1)	-0.1	(0.2)
	Croatia	15.7	(1.3)	62.1	(1.3)	17.5	(1.2)	4.8	(0.6)	18.2	(1.3)	58.5	(1.3)	17.9	(1.0)	5.4	(0.5)	-0.7	(0.7)
	Estonia	6.7	(0.7)	55.2	(1.5)	27.0	(1.3)	11.2	(1.0)	8.6	(0.9)	54.2	(1.5)	25.4	(1.4)	11.8	(1.0)	-0.6	(1.2)
	Hong Kong-China	8.2	(0.9)	48.4	(1.8)	29.1	(1.3)	14.3	(1.2)	9.3	(1.1)	42.8	(1.5)	30.4	(1.3)	17.6	(1.3)	-3.2	(1.7)
	Indonesia	64.7	(2.5)	34.3	(2.4)	1.0	(0.4)	0.0	(0.0)	58.7	(4.8)	39.5	(4.1)	1.8	(0.8)	0.1	(0.0)	0.0	(0.1)
	Israel	34.9	(1.7)	48.3	(1.6)	12.9	(1.0)	3.9	(0.5)	37.4	(2.0)	41.3	(1.3)	14.7	(1.2)	6.6	(0.9)	-2.8	(0.9)
	Jordan	37.9	(1.7)	54.9	(1.6)	6.5	(0.7)	0.7	(0.2)	50.8	(1.8)	44.0	(1.5)	4.6	(0.9)	0.6	(0.3)	0.1	(0.3)
	Kyrgyzstan	86.5	(1.2)	13.0	(1.1)	0.5	(0.2)	0.0	(0.0)	86.1	(1.1)	12.9	(1.0)	1.0	(0.3)	0.0	(0.1)	0.0	(0.0)
	Latvia	15.8	(1.3)	62.6	(1.4)	17.7	(1.2)	3.9	(0.5)	19.1	(1.3)	61.2	(1.6)	15.4	(1.2)	4.3	(0.6)	-0.5	(0.7)
	Liechtenstein	12.6	(2.7)	46.1	(3.5)	29.0	(3.7)	12.3	(2.5)	13.2	(3.9)	53.8	(6.3)	20.8	(4.1)	12.2	(2.6)	0.1	(3.8)
	Lithuania	18.5	(1.3)	58.0	(1.7)	18.1	(1.2)	5.4	(0.8)	22.1	(1.2)	56.5	(1.5)	16.9	(1.1)	4.6	(0.7)	0.8	(0.7)
	Macao-China	9.2	(0.7)	64.8	(1.1)	22.0	(1.1)	4.0	(0.5)	11.3	(0.7)	58.6	(1.5)	23.5	(1.6)	6.6	(0.6)	-2.5	(0.8)
	Montenegro	49.6	(1.2)	46.4	(1.3)	3.8	(0.5)	0.2	(0.2)	50.8	(1.3)	45.4	(1.4)	3.5	(0.5)	0.3	(0.2)	-0.1	(0.2)
	Qatar	74.2	(0.7)	24.2	(0.8)	1.4	(0.2)	0.2	(0.1)	83.9	(0.6)	13.8	(0.7)	1.9	(0.2)	0.4	(0.1)	-0.2	(0.2)
	Romania	45.5	(3.0)	50.4	(2.7)	3.9	(1.0)	0.2	(0.1)	48.3	(2.3)	46.3	(2.2)	4.6	(0.8)	0.7	(0.3)	-0.5	(0.3)
Russian Federation	21.8	(1.6)	60.2	(1.2)	14.6	(1.1)	3.4	(0.5)	22.6	(1.6)	56.8	(1.6)	15.6	(1.4)	5.1	(0.7)	-1.7	(0.7)	
Serbia	36.2	(2.1)	56.6	(2.0)	6.6	(0.7)	0.6	(0.2)	40.8	(1.8)	51.7	(1.6)	6.5	(0.7)	1.0	(0.3)	-0.5	(0.3)	
Slovenia	12.5	(0.8)	50.9	(1.1)	23.5	(1.4)	13.1	(1.0)	15.3	(0.8)	50.5	(1.6)	21.5	(1.5)	12.7	(1.0)	0.5	(1.6)	
Chinese Taipei	11.6	(1.3)	48.2	(1.8)	26.9	(1.5)	13.4	(1.3)	11.7	(1.2)	43.7	(1.5)	28.8	(1.2)	15.8	(1.3)	-2.4	(2.0)	
Thailand	41.9	(1.5)	53.7	(1.5)	4.1	(0.5)	0.4	(0.1)	51.8	(1.8)	43.9	(1.6)	3.8	(0.6)	0.5	(0.2)	-0.1	(0.3)	
Tunisia	62.0	(1.7)	36.0	(1.5)	1.8	(0.6)	0.1	(0.1)	63.6	(1.6)	34.3	(1.5)	2.0	(0.5)	0.1	(0.1)	0.0	(0.2)	
Uruguay	40.4	(1.5)	52.2	(1.5)	6.5	(0.7)	1.0	(0.3)	44.0	(2.0)	46.7	(1.8)	7.3	(0.7)	1.9	(0.4)	-0.9	(0.5)	

Note: Values that are statistically significant are indicated in bold (see Annex B).



[Part 2/3]

Table A2.2 Percentage of students by performance group in science, reading and mathematics, by gender

	Reading														Difference in the percentages of top performers between females and males				
	Females								Males										
	Lowest performers		Moderate performers		Strong performers		Top performers		Lowest performers		Moderate performers		Strong performers				Top performers		
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.			%	S.E.	Dif.
OECD	Australia	26.5	(1.0)	31.1	(0.9)	28.9	(0.8)	13.4	(0.8)	42.0	(1.2)	29.1	(0.7)	21.0	(0.8)	7.9	(0.8)	5.5	(1.2)
	Austria	35.1	(2.0)	27.1	(1.4)	25.3	(1.4)	12.4	(1.2)	51.7	(1.9)	25.2	(1.2)	17.5	(1.2)	5.7	(0.6)	6.7	(1.2)
	Belgium	30.5	(1.5)	27.0	(1.2)	28.4	(1.5)	14.1	(1.0)	45.4	(1.5)	25.1	(1.0)	20.8	(0.9)	8.7	(0.6)	5.4	(1.2)
	Canada	22.7	(0.9)	29.5	(0.9)	30.0	(1.1)	17.7	(1.0)	35.1	(1.3)	29.3	(1.4)	24.3	(0.9)	11.3	(0.8)	6.5	(1.1)
	Czech Republic	36.9	(2.1)	26.5	(1.6)	23.8	(1.3)	12.9	(1.3)	54.8	(2.1)	23.0	(1.2)	15.9	(1.4)	6.3	(0.7)	6.6	(1.3)
	Denmark	35.2	(1.6)	33.2	(1.2)	23.9	(1.3)	7.6	(0.8)	48.2	(1.6)	30.3	(1.4)	17.3	(1.0)	4.1	(0.7)	3.5	(0.9)
	Finland	11.0	(0.8)	27.9	(1.2)	37.4	(1.1)	23.7	(1.3)	29.8	(1.3)	34.5	(1.2)	26.0	(1.3)	9.6	(0.8)	14.1	(1.4)
	France	36.5	(1.8)	29.4	(1.5)	25.1	(1.4)	8.9	(0.9)	50.0	(2.2)	26.2	(1.7)	18.3	(1.6)	5.5	(0.8)	3.3	(0.9)
	Germany	32.4	(1.8)	28.3	(1.2)	26.4	(1.3)	12.9	(1.0)	47.8	(2.2)	26.3	(1.2)	18.9	(1.4)	7.0	(0.8)	6.0	(1.1)
	Greece	43.7	(1.8)	33.1	(1.5)	18.5	(1.3)	4.7	(0.7)	64.8	(2.1)	22.8	(1.4)	10.1	(0.9)	2.3	(0.4)	2.4	(0.7)
	Hungary	36.7	(2.1)	34.0	(1.4)	22.8	(1.4)	6.5	(0.8)	54.3	(1.9)	27.4	(1.4)	15.2	(1.1)	3.1	(0.5)	3.4	(0.8)
	Iceland	35.5	(1.3)	32.6	(1.2)	23.5	(1.5)	8.3	(0.8)	55.5	(1.4)	26.6	(1.2)	14.3	(1.0)	3.6	(0.6)	4.7	(0.9)
	Ireland	26.4	(1.8)	30.3	(1.1)	28.6	(1.6)	14.6	(1.1)	39.8	(2.1)	30.1	(1.4)	21.4	(1.2)	8.7	(1.0)	5.9	(1.4)
	Italy	43.4	(1.3)	28.9	(0.9)	21.0	(0.9)	6.7	(0.6)	58.6	(1.2)	23.8	(0.8)	13.9	(0.7)	3.7	(0.4)	3.0	(0.7)
	Japan	34.4	(2.3)	30.4	(1.3)	24.5	(1.4)	10.7	(1.2)	46.4	(2.3)	27.0	(1.4)	18.6	(1.2)	8.1	(1.0)	2.5	(1.7)
	Korea	12.8	(1.6)	25.0	(1.4)	34.9	(1.8)	27.3	(2.0)	23.6	(1.9)	29.4	(1.4)	30.7	(1.6)	16.3	(1.3)	11.0	(2.3)
	Luxembourg	41.1	(1.0)	29.7	(1.0)	22.1	(1.2)	7.1	(0.7)	53.7	(1.0)	26.2	(1.1)	15.9	(0.7)	4.2	(0.5)	2.9	(0.8)
	Mexico	70.7	(1.4)	21.8	(1.1)	6.7	(0.6)	0.8	(0.2)	81.5	(0.9)	14.4	(0.8)	3.8	(0.4)	0.3	(0.2)	0.4	(0.2)
	Netherlands	32.4	(1.5)	28.0	(1.2)	28.5	(1.2)	11.1	(0.8)	40.2	(1.8)	29.7	(1.4)	22.9	(1.4)	7.2	(0.8)	3.9	(0.9)
	New Zealand	26.7	(1.4)	26.9	(1.1)	27.3	(1.2)	19.1	(1.2)	40.2	(1.6)	25.9	(1.3)	21.5	(1.2)	12.4	(0.9)	6.7	(1.5)
	Norway	36.4	(1.5)	30.8	(1.1)	22.5	(1.2)	10.4	(1.0)	54.4	(1.5)	24.6	(1.3)	15.9	(1.0)	5.2	(0.7)	5.2	(1.2)
	Poland	29.6	(1.2)	29.3	(1.3)	26.6	(1.0)	14.5	(1.1)	45.9	(1.5)	25.8	(1.2)	19.6	(1.0)	8.7	(0.8)	5.8	(1.1)
	Portugal	43.5	(1.7)	30.7	(1.4)	20.1	(1.1)	5.7	(0.7)	57.8	(1.8)	25.5	(1.3)	13.2	(1.0)	3.5	(0.6)	2.1	(0.8)
	Slovak Republic	45.0	(1.9)	28.7	(1.7)	19.0	(1.2)	7.3	(0.8)	60.4	(1.8)	23.3	(1.4)	12.7	(0.9)	3.6	(0.5)	3.7	(0.8)
	Spain	48.1	(1.2)	33.6	(0.9)	15.9	(0.8)	2.4	(0.4)	63.4	(1.2)	26.0	(1.0)	9.5	(0.8)	1.1	(0.3)	1.3	(0.5)
	Sweden	29.1	(1.6)	29.7	(1.3)	26.7	(1.5)	14.5	(1.1)	44.9	(1.5)	28.0	(1.6)	20.1	(1.4)	7.0	(0.8)	7.5	(1.0)
	Switzerland	33.2	(1.4)	30.5	(1.2)	25.8	(1.2)	10.4	(1.0)	45.1	(1.6)	30.3	(1.0)	19.5	(1.0)	5.1	(0.6)	5.3	(0.9)
	Turkey	54.0	(2.4)	29.6	(1.8)	13.4	(1.2)	2.9	(0.8)	70.8	(2.4)	20.1	(1.7)	7.7	(1.2)	1.4	(0.5)	1.5	(0.6)
United Kingdom	36.4	(1.2)	30.3	(1.0)	22.8	(0.9)	10.6	(0.8)	47.2	(1.3)	27.1	(1.4)	18.2	(1.1)	7.5	(0.6)	3.1	(0.8)	
United States	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
OECD average	35.4	(0.3)	29.5	(0.2)	24.2	(0.2)	11.0	(0.2)	50.1	(0.3)	26.3	(0.2)	17.4	(0.2)	6.2	(0.1)	4.8	(0.2)	
Partners	Argentina	73.9	(2.4)	17.9	(1.6)	6.9	(1.1)	1.3	(0.4)	86.1	(1.6)	10.2	(1.4)	3.1	(0.9)	0.6	(0.3)	0.7	(0.5)
	Azerbaijan	95.5	(0.7)	3.9	(0.6)	0.6	(0.2)	0.1	(0.0)	96.3	(0.7)	3.0	(0.6)	0.6	(0.2)	0.2	(0.1)	-0.2	(0.1)
	Brazil	77.4	(1.3)	15.8	(1.1)	5.5	(0.6)	1.3	(0.4)	84.7	(1.2)	10.6	(0.9)	3.8	(0.6)	0.9	(0.3)	0.4	(0.4)
	Bulgaria	65.9	(2.6)	20.6	(1.6)	10.6	(1.4)	2.9	(0.7)	80.5	(2.0)	12.4	(1.4)	5.8	(1.1)	1.3	(0.4)	1.6	(0.6)
	Chile	61.4	(2.6)	23.0	(1.5)	11.8	(1.3)	3.7	(0.7)	66.7	(2.5)	19.5	(1.3)	10.4	(1.3)	3.4	(0.8)	0.3	(0.9)
	Colombia	78.9	(1.9)	15.5	(1.6)	4.8	(0.9)	0.8	(0.4)	83.2	(1.5)	13.3	(1.3)	3.2	(0.6)	0.4	(0.2)	0.4	(0.4)
	Croatia	37.6	(1.8)	34.7	(1.3)	22.1	(1.4)	5.6	(0.8)	60.6	(1.8)	26.6	(1.6)	11.0	(0.9)	1.9	(0.4)	3.7	(0.9)
	Estonia	28.1	(1.6)	35.0	(1.5)	27.8	(1.4)	9.2	(1.1)	47.7	(1.6)	32.9	(1.2)	16.4	(1.0)	3.0	(0.4)	6.2	(1.1)
	Hong Kong-China	17.8	(1.5)	30.2	(1.9)	35.2	(1.6)	16.8	(1.4)	29.7	(1.7)	32.8	(1.5)	28.6	(1.5)	8.8	(1.1)	8.0	(1.9)
	Indonesia	86.4	(1.8)	11.6	(1.5)	2.0	(0.5)	0.1	(0.1)	88.3	(3.4)	10.6	(3.2)	1.1	(0.4)	0.0	(0.0)	0.1	(0.1)
	Israel	55.5	(1.8)	24.1	(1.1)	14.9	(1.0)	5.4	(0.7)	67.3	(1.9)	17.7	(1.0)	10.4	(1.0)	4.6	(0.7)	0.8	(0.9)
	Jordan	74.0	(1.8)	21.2	(1.4)	4.5	(0.7)	0.3	(0.1)	86.3	(2.0)	11.6	(1.6)	2.0	(0.6)	0.1	(0.1)	0.2	(0.1)
	Kyrgyzstan	95.4	(0.7)	3.8	(0.6)	0.7	(0.2)	0.1	(0.1)	97.5	(0.5)	2.0	(0.5)	0.4	(0.3)	0.1	(0.1)	0.1	(0.1)
	Latvia	37.8	(1.8)	33.1	(1.6)	22.6	(1.4)	6.5	(0.8)	60.5	(2.1)	26.5	(1.9)	10.5	(1.3)	2.5	(0.5)	4.1	(0.9)
	Liechtenstein	26.2	(3.3)	29.1	(3.5)	30.3	(4.5)	14.4	(3.3)	43.6	(4.6)	33.7	(4.3)	18.1	(3.9)	4.6	(2.1)	9.8	(4.3)
	Lithuania	41.3	(1.6)	31.1	(1.2)	21.0	(1.2)	6.5	(0.8)	63.4	(1.7)	24.0	(1.4)	10.3	(1.1)	2.3	(0.4)	4.2	(0.8)
	Macao-China	35.4	(1.1)	39.1	(1.3)	21.8	(1.0)	3.7	(0.5)	48.2	(1.5)	34.1	(1.9)	15.3	(1.2)	2.4	(0.4)	1.3	(0.8)
	Montenegro	78.0	(1.3)	17.0	(1.3)	4.4	(0.5)	0.7	(0.3)	88.7	(0.9)	9.5	(1.0)	1.6	(0.5)	0.2	(0.1)	0.5	(0.3)
	Qatar	91.0	(0.6)	6.4	(0.5)	1.9	(0.3)	0.6	(0.1)	94.4	(0.4)	3.5	(0.6)	1.6	(0.3)	0.5	(0.2)	0.1	(0.2)
	Romania	75.3	(2.2)	19.7	(1.8)	4.5	(1.0)	0.5	(0.2)	87.6	(1.4)	10.4	(1.2)	1.9	(0.4)	0.1	(0.1)	0.3	(0.2)
	Russian Federation	58.3	(1.9)	28.2	(1.3)	11.2	(1.0)	2.3	(0.4)	72.8	(2.0)	19.4	(1.8)	6.7	(0.8)	1.1	(0.3)	1.2	(0.5)
	Serbia	73.7	(1.5)	20.4	(1.3)	5.5	(0.8)	0.4	(0.2)	85.8	(1.0)	11.8	(1.0)	2.3	(0.4)	0.2	(0.1)	0.2	(0.3)
	Slovenia	28.7	(0.9)	34.8	(1.4)	28.8	(1.3)	7.8	(0.9)	53.9	(1.0)	28.3	(1.3)	15.0	(0.9)	2.7	(0.5)	5.0	(1.1)
	Chinese Taipei	35.1	(2.3)	34.7	(1.4)	24.1	(1.4)	6.1	(1.0)	43.9	(2.0)	33.3	(1.3)	19.3	(1.2)	3.5	(0.6)	2.6	(1.2)
	Thailand	71.8	(1.7)	22.0	(1.3)	5.8	(0.6)	0.4	(0.2)	86.5	(1.1)	11.2	(0.9)	2.1	(0.5)	0.1	(0.1)	0.3	(0.2)
	Tunisia	80.8	(1.6)	15.8	(1.2)	3.2	(0.7)	0.2	(0.1)	88.7	(1.4)	9.1	(1.0)	2.1	(0.6)	0.1	(0.1)	0.0	(0.1)
	Uruguay	63.8	(1.6)	21.4	(1.3)	11.1	(0.9)	3.7	(0.5)	76.5	(1.3)	14.5	(1.0)	6.5	(0.7)	2.4	(0.5)	1.3	(0.6)

Note: Values that are statistically significant are indicated in bold (see Annex B).

[Part 3/3]

Table A2.2 Percentage of students by performance group in science, reading and mathematics, by gender

	Mathematics														Difference in the percentages of top performers between females and males				
	Females							Males											
	Lowest performers		Moderate performers		Strong performers		Top performers		Lowest performers		Moderate performers		Strong performers				Top performers		
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.			%	S.E.	
OECD	Australia	13.6	(0.7)	50.4	(1.2)	22.8	(0.8)	13.2	(0.8)	12.4	(0.7)	44.6	(1.0)	23.5	(0.8)	19.5	(1.3)	-6.3	(1.4)
	Austria	22.7	(1.7)	44.2	(1.9)	21.1	(1.5)	12.0	(0.9)	17.4	(1.6)	41.6	(1.5)	21.6	(1.3)	19.4	(1.4)	-7.4	(1.4)
	Belgium	17.0	(1.2)	40.7	(1.3)	22.8	(1.0)	19.5	(1.1)	17.7	(1.5)	36.4	(1.6)	21.0	(1.1)	24.9	(1.1)	-5.4	(1.5)
	Canada	11.3	(0.7)	49.5	(1.0)	24.4	(1.0)	14.8	(0.9)	10.3	(0.7)	42.8	(1.1)	25.9	(0.9)	21.0	(1.0)	-6.2	(1.1)
	Czech Republic	21.2	(1.7)	43.0	(1.7)	18.7	(1.4)	17.1	(1.8)	17.6	(1.4)	43.8	(1.6)	19.4	(1.5)	19.2	(1.3)	-2.0	(2.0)
	Denmark	15.2	(1.2)	51.2	(1.3)	21.3	(1.1)	12.3	(1.0)	12.1	(1.3)	49.1	(1.3)	23.7	(1.2)	15.1	(1.0)	-2.8	(1.2)
	Finland	5.9	(0.8)	44.6	(1.3)	28.3	(1.2)	21.1	(1.1)	6.0	(0.8)	38.4	(1.3)	27.8	(1.0)	27.8	(1.4)	-6.7	(1.4)
	France	22.4	(1.5)	47.5	(1.6)	19.5	(1.3)	10.7	(1.0)	22.1	(1.6)	43.6	(1.6)	19.8	(1.4)	14.5	(1.2)	-3.8	(1.5)
	Germany	22.1	(1.5)	46.8	(1.5)	19.1	(1.1)	12.0	(0.9)	17.8	(1.6)	43.8	(1.8)	19.8	(1.4)	18.7	(1.4)	-6.6	(1.4)
	Greece	31.9	(1.8)	52.6	(2.1)	11.8	(1.5)	3.6	(0.6)	32.7	(1.8)	47.4	(1.6)	13.4	(1.1)	6.4	(0.7)	-2.8	(0.8)
	Hungary	21.5	(1.6)	54.5	(1.9)	16.0	(1.3)	7.9	(1.0)	20.8	(1.2)	48.9	(1.6)	17.7	(1.4)	12.6	(1.2)	-4.6	(1.3)
	Iceland	15.3	(0.9)	50.2	(1.2)	22.7	(1.2)	11.9	(1.0)	18.3	(1.2)	47.5	(1.3)	20.7	(1.1)	13.4	(0.9)	-1.5	(1.3)
	Ireland	17.4	(1.3)	54.9	(1.4)	19.4	(1.4)	8.3	(1.0)	15.4	(1.7)	50.4	(1.7)	21.9	(1.1)	12.3	(1.1)	-4.0	(1.4)
	Italy	35.5	(1.3)	48.4	(1.1)	11.9	(0.8)	4.1	(0.5)	30.1	(1.2)	46.8	(1.1)	14.8	(0.7)	8.4	(0.7)	-4.3	(0.7)
	Japan	14.3	(1.8)	48.8	(1.8)	23.1	(1.4)	13.9	(1.3)	11.8	(1.4)	41.1	(1.6)	24.4	(1.3)	22.7	(1.5)	-8.8	(2.0)
	Korea	8.6	(1.3)	41.0	(1.8)	26.2	(1.6)	24.2	(2.0)	9.1	(1.2)	36.3	(1.7)	24.7	(1.4)	29.9	(2.1)	-5.7	(2.6)
	Luxembourg	24.5	(1.1)	50.2	(1.5)	17.4	(1.3)	7.9	(0.7)	21.1	(0.9)	46.7	(1.2)	19.0	(1.0)	13.2	(0.8)	-5.3	(1.0)
	Mexico	58.8	(1.6)	37.0	(1.4)	3.6	(0.5)	0.5	(0.2)	54.0	(1.5)	39.8	(1.3)	5.0	(0.5)	1.2	(0.3)	-0.6	(0.3)
	Netherlands	13.1	(1.3)	43.8	(1.6)	24.6	(1.4)	18.6	(1.2)	10.0	(1.1)	42.7	(1.5)	23.7	(1.2)	23.6	(1.3)	-5.0	(1.3)
	New Zealand	14.1	(1.0)	47.4	(1.6)	22.3	(1.3)	16.1	(1.3)	14.0	(1.1)	42.3	(1.3)	21.8	(1.3)	21.9	(1.3)	-5.8	(1.8)
Norway	22.4	(1.4)	52.0	(1.5)	17.0	(1.2)	8.6	(0.9)	22.1	(1.4)	48.0	(1.5)	17.8	(1.1)	12.1	(1.0)	-3.4	(1.2)	
Poland	20.5	(1.1)	52.2	(1.2)	18.6	(1.1)	8.6	(0.7)	19.1	(1.0)	49.6	(1.4)	18.6	(1.0)	12.6	(1.1)	-4.0	(1.1)	
Portugal	32.7	(1.7)	50.2	(1.5)	13.4	(0.8)	3.7	(0.5)	28.6	(1.7)	48.0	(1.6)	15.5	(1.1)	7.9	(0.8)	-4.2	(0.9)	
Slovak Republic	22.9	(1.6)	50.3	(1.8)	18.0	(1.2)	8.9	(1.2)	19.0	(1.2)	48.5	(1.5)	19.6	(1.1)	13.0	(1.2)	-4.1	(1.4)	
Spain	25.0	(1.3)	53.5	(1.0)	16.1	(0.8)	5.4	(0.6)	24.4	(1.2)	49.1	(1.2)	17.5	(0.9)	9.0	(0.7)	-3.7	(0.7)	
Sweden	18.7	(1.1)	49.8	(1.6)	19.8	(1.6)	11.6	(0.9)	17.9	(1.4)	48.2	(2.1)	20.3	(1.3)	13.5	(1.0)	-1.9	(1.3)	
Switzerland	14.7	(1.1)	42.4	(1.4)	22.5	(1.4)	20.3	(1.5)	12.4	(1.0)	39.0	(1.3)	23.9	(1.0)	24.8	(1.2)	-4.5	(1.3)	
Turkey	53.5	(2.3)	36.9	(1.9)	6.4	(1.1)	3.2	(1.0)	50.9	(2.2)	37.2	(1.8)	6.9	(1.1)	5.0	(1.4)	-1.7	(0.7)	
United Kingdom	21.2	(1.1)	53.9	(1.1)	16.5	(0.8)	8.4	(0.7)	18.3	(1.1)	48.1	(1.0)	19.7	(0.8)	13.9	(0.8)	-5.6	(1.0)	
United States	28.9	(1.6)	50.5	(1.6)	13.9	(1.2)	6.6	(0.9)	27.3	(2.1)	47.9	(1.6)	16.2	(1.1)	8.6	(1.0)	-1.9	(0.9)	
OECD average	22.2	(0.3)	48.0	(0.3)	18.6	(0.2)	11.2	(0.2)	20.4	(0.3)	44.6	(0.3)	19.5	(0.2)	15.5	(0.2)	-4.4	(0.2)	
Partners	Argentina	66.0	(3.0)	29.6	(2.7)	3.3	(0.7)	1.1	(0.6)	62.1	(2.6)	32.6	(2.3)	4.3	(0.7)	1.0	(0.3)	0.1	(0.6)
	Azerbaijan	10.2	(1.2)	82.7	(1.3)	6.2	(0.9)	0.9	(0.3)	10.9	(1.2)	81.3	(1.6)	7.0	(1.0)	0.9	(0.4)	0.0	(0.5)
	Brazil	75.7	(1.4)	21.3	(1.4)	2.3	(0.5)	0.7	(0.3)	68.9	(1.4)	26.3	(1.3)	3.4	(0.5)	1.4	(0.5)	-0.7	(0.4)
	Bulgaria	51.5	(2.8)	39.7	(2.1)	6.4	(1.0)	2.4	(0.7)	54.9	(2.7)	34.4	(2.1)	7.0	(0.9)	3.7	(1.0)	-1.3	(0.6)
	Chile	61.8	(2.4)	33.8	(2.0)	3.9	(0.6)	0.5	(0.2)	49.5	(2.7)	41.1	(2.2)	7.1	(1.0)	2.3	(0.7)	-1.7	(0.8)
	Colombia	76.5	(2.1)	21.9	(1.9)	1.3	(0.6)	0.3	(0.2)	66.5	(2.1)	30.3	(2.0)	2.7	(0.5)	0.6	(0.3)	-0.3	(0.2)
	Croatia	30.4	(1.7)	54.6	(1.7)	11.9	(0.9)	3.0	(0.5)	26.7	(1.5)	51.6	(1.3)	15.2	(1.0)	6.4	(0.7)	-3.4	(0.7)
	Estonia	11.3	(1.2)	54.0	(1.9)	23.6	(1.5)	11.1	(1.0)	12.8	(1.4)	50.3	(1.7)	22.9	(1.6)	13.9	(1.1)	-2.9	(1.2)
	Hong Kong-China	10.3	(1.0)	39.8	(1.8)	25.4	(1.2)	24.6	(1.8)	8.8	(1.3)	34.4	(1.7)	25.9	(1.5)	30.9	(1.6)	-6.4	(2.5)
	Indonesia	70.4	(2.2)	27.3	(1.9)	2.1	(0.6)	0.2	(0.1)	61.4	(4.6)	34.5	(3.7)	3.5	(1.1)	0.6	(0.3)	-0.4	(0.3)
	Israel	43.8	(2.0)	41.7	(1.7)	10.3	(0.8)	4.2	(0.6)	40.2	(2.4)	38.6	(1.8)	13.3	(1.2)	7.9	(0.8)	-3.7	(0.9)
	Jordan	66.4	(2.0)	31.7	(1.8)	1.7	(0.4)	0.1	(0.1)	66.3	(2.5)	30.8	(2.0)	2.6	(0.7)	0.3	(0.2)	-0.2	(0.3)
	Kyrgyzstan	90.3	(1.0)	9.1	(0.9)	0.6	(0.2)	0.1	(0.0)	88.4	(1.1)	10.6	(1.0)	0.9	(0.3)	0.1	(0.1)	0.0	(0.1)
	Latvia	21.3	(1.5)	56.1	(1.4)	16.9	(1.2)	5.6	(0.7)	20.0	(1.3)	54.5	(1.5)	17.8	(1.2)	7.6	(0.9)	-2.1	(1.1)
	Liechtenstein	14.6	(2.8)	41.7	(4.0)	24.6	(3.4)	19.2	(2.9)	11.5	(3.4)	48.0	(5.1)	22.8	(4.7)	17.7	(3.1)	1.5	(4.5)
	Lithuania	23.0	(1.3)	50.6	(1.3)	18.1	(1.1)	8.3	(1.0)	22.9	(1.4)	49.7	(1.5)	17.6	(1.0)	9.8	(1.0)	-1.5	(1.0)
	Macao-China	11.0	(1.0)	50.3	(1.8)	24.5	(1.2)	14.2	(0.9)	10.9	(1.0)	44.2	(1.3)	24.3	(1.3)	20.6	(1.1)	-6.4	(1.5)
	Montenegro	62.9	(1.3)	33.1	(1.5)	3.3	(0.6)	0.7	(0.3)	57.4	(1.4)	37.1	(1.4)	4.6	(0.5)	0.9	(0.3)	-0.2	(0.5)
	Qatar	87.5	(0.8)	11.1	(0.8)	1.1	(0.2)	0.3	(0.1)	86.9	(0.6)	10.5	(0.7)	1.6	(0.3)	0.9	(0.2)	-0.6	(0.2)
	Romania	54.5	(2.8)	40.4	(2.5)	4.5	(1.0)	0.7	(0.3)	51.0	(2.2)	40.9	(2.2)	6.3	(0.9)	1.8	(0.5)	-1.1	(0.5)
Russian Federation	26.9	(1.8)	52.8	(1.6)	14.0	(1.2)	6.3	(0.9)	26.3	(1.9)	49.5	(1.6)	15.6	(1.3)	8.6	(0.9)	-2.3	(0.8)	
Serbia	42.4	(2.2)	46.9	(1.9)	8.7	(0.9)	2.0	(0.5)	42.8	(1.9)	44.1	(1.4)	9.5	(0.8)	3.7	(0.6)	-1.7	(0.7)	
Slovenia	18.2	(1.2)	49.7	(1.5)	19.5	(1.0)	12.5	(0.8)	17.1	(0.9)	49.3	(1.3)	18.8	(1.3)	14.8	(1.0)	-2.3	(1.3)	
Chinese Taipei	12.6	(1.5)	36.2	(1.8)	22.5	(1.4)	28.8	(2.1)	11.5	(1.2)	31.6	(1.6)	22.3	(1.0)	34.7	(1.7)	-5.9	(2.6)	
Thailand	51.3	(1.5)	42.2	(1.4)	5.3	(0.5)	1.1	(0.3)	55.3	(2.0)	37.9	(1.9)	5.3	(0.7)	1.6	(0.4)	-0.5	(0.5)	
Tunisia	75.2	(2.1)	22.7	(1.9)	1.8	(0.6)	0.3	(0.2)	69.5	(1.9)	26.7	(1.6)	3.1	(0.7)	0.7	(0.4)	-0.4	(0.4)	
Uruguay	48.0	(1.5)	42.6	(1.6)	7.2	(0.7)	2.1	(0.5)	44.1	(1.7)	42.5	(1.8)	9.1	(1.0)	4.3	(0.6)	-2.1	(0.6)	

Note: Values that are statistically significant are indicated in bold (see Annex B).



[Part 1/2]

Table A2.3 Percentage of students by performance group, according to the immigrant status

	Native students (born in the country of assessment with at least one of their parents born in the same country)		Second-generation students (born in the country of assessment but whose parents were born in another country)		First-generation students (born in another country and whose parents were born in another country)		Students with an immigrant background (first- and second-generation)							
							Lowest performers		Moderate performers		Strong performers		Top performers	
	% of students	S.E.	% of students	S.E.	% of students	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.
OECD														
Australia	78.1	(1.2)	12.8	(0.7)	9.0	(0.6)	14.0	(1.1)	46.2	(1.6)	23.8	(1.3)	16.0	(1.8)
Austria	86.8	(1.2)	5.3	(0.7)	7.9	(0.7)	43.6	(5.0)	43.1	(4.0)	10.4	(1.7)	2.9	(0.8)
Belgium	86.7	(1.0)	7.0	(0.7)	6.3	(0.7)	40.5	(3.3)	49.1	(3.0)	8.3	(1.2)	2.1	(0.5)
Canada	78.9	(1.2)	11.2	(0.7)	9.9	(0.7)	13.6	(1.2)	47.2	(1.5)	26.2	(1.6)	13.1	(1.3)
Czech Republic	98.1	(0.2)	0.7	(0.1)	1.2	(0.2)	c	c	c	c	c	c	c	c
Denmark	92.4	(0.8)	4.2	(0.6)	3.4	(0.4)	49.7	(4.0)	43.4	(3.7)	5.4	(1.6)	1.5	(0.8)
Finland	98.5	(0.3)	0.2	c	1.3	(0.3)	c	c	c	c	c	c	c	c
France	87.0	(1.0)	9.6	(0.9)	3.4	(0.3)	36.0	(3.3)	47.6	(3.1)	12.6	(2.3)	3.8	(1.6)
Germany	85.8	(1.0)	7.7	(0.7)	6.6	(0.5)	37.6	(3.4)	47.9	(2.6)	11.3	(1.8)	3.1	(0.9)
Greece	92.4	(0.7)	1.2	(0.2)	6.4	(0.7)	39.6	(4.9)	51.1	(4.8)	7.3	(2.6)	1.9	(1.1)
Hungary	98.3	(0.3)	0.4	c	1.3	(0.2)	c	c	c	c	c	c	c	c
Iceland	98.2	(0.2)	0.4	c	1.4	(0.2)	c	c	c	c	c	c	c	c
Ireland	94.4	(0.5)	1.1	(0.1)	4.5	(0.5)	21.8	(4.1)	45.4	(4.4)	20.8	(3.5)	12.0	(2.8)
Italy	96.2	(0.3)	0.7	(0.1)	3.1	(0.3)	47.0	(3.6)	44.8	(3.3)	6.7	(1.9)	1.4	(0.8)
Japan	99.6	(0.1)	0.1	c	0.3	c	c	c	c	c	c	c	c	c
Korea	100.0	(0.0)	0.0	c	a	a	c	c	c	c	c	c	c	c
Luxembourg	63.9	(0.6)	19.5	(0.5)	16.6	(0.5)	38.4	(1.5)	47.9	(1.5)	10.5	(0.8)	3.2	(0.4)
Mexico	97.6	(0.3)	0.6	(0.1)	1.9	(0.3)	c	c	c	c	c	c	c	c
Netherlands	88.7	(1.1)	7.8	(0.8)	3.5	(0.4)	32.2	(5.0)	52.6	(4.0)	11.3	(2.2)	3.9	(1.2)
New Zealand	78.7	(1.0)	6.9	(0.6)	14.3	(0.7)	18.8	(1.9)	40.1	(1.7)	22.5	(1.7)	18.5	(1.4)
Norway	93.9	(0.7)	3.0	(0.5)	3.1	(0.3)	43.6	(3.8)	44.3	(3.3)	8.1	(2.8)	4.0	(1.6)
Poland	99.8	(0.1)	0.1	c	0.1	c	c	c	c	c	c	c	c	c
Portugal	94.1	(0.8)	2.4	(0.4)	3.5	(0.6)	49.7	(5.1)	41.8	(4.4)	7.2	(2.4)	1.3	(0.9)
Slovak Republic	99.5	(0.1)	0.3	c	0.1	c	c	c	c	c	c	c	c	c
Spain	93.1	(0.7)	0.8	(0.1)	6.1	(0.7)	40.2	(3.2)	47.9	(3.2)	10.2	(2.1)	1.6	(0.8)
Sweden	89.2	(0.9)	6.2	(0.6)	4.7	(0.6)	35.0	(2.9)	51.7	(3.1)	9.7	(1.5)	3.5	(1.2)
Switzerland	77.6	(0.7)	11.8	(0.5)	10.6	(0.4)	37.2	(2.0)	47.1	(1.8)	11.5	(1.2)	4.2	(0.8)
Turkey	98.5	(0.4)	0.8	(0.3)	0.6	c	c	c	c	c	c	c	c	c
United Kingdom	91.4	(0.9)	5.0	(0.6)	3.7	(0.5)	24.3	(3.9)	48.6	(3.7)	17.3	(2.3)	9.8	(1.8)
United States	84.8	(1.2)	9.4	(0.9)	5.8	(0.5)	36.5	(2.8)	49.3	(2.5)	10.1	(1.6)	4.2	(0.9)
OECD average	90.7	(0.1)	4.6	(0.1)	4.8	(0.1)	35.0	(0.8)	46.9	(0.7)	12.6	(0.4)	5.6	(0.3)
Partners														
Argentina	97.3	(0.3)	1.6	(0.2)	1.1	(0.2)	c	c	c	c	c	c	c	c
Azerbaijan	97.6	(0.5)	1.4	(0.4)	1.1	(0.1)	c	c	c	c	c	c	c	c
Brazil	97.6	(0.2)	2.2	(0.2)	0.2	c	c	c	c	c	c	c	c	c
Bulgaria	99.8	(0.1)	0.1	c	0.1	c	c	c	c	c	c	c	c	c
Chile	99.4	(0.1)	0.2	c	0.4	c	c	c	c	c	c	c	c	c
Colombia	99.6	(0.1)	0.2	c	0.1	c	c	c	c	c	c	c	c	c
Croatia	88.0	(0.7)	4.8	(0.4)	7.2	(0.6)	20.4	(2.0)	63.4	(2.4)	13.7	(1.8)	2.5	(0.8)
Estonia	88.4	(0.6)	10.5	(0.6)	1.1	(0.2)	12.0	(2.2)	62.9	(3.0)	17.8	(2.0)	7.3	(1.4)
Hong Kong-China	56.2	(1.4)	24.6	(0.8)	19.2	(1.1)	9.3	(1.2)	47.2	(1.6)	28.8	(1.5)	14.7	(1.2)
Indonesia	99.8	(0.1)	0.0	c	0.1	c	c	c	c	c	c	c	c	c
Israel	77.0	(1.2)	11.5	(0.6)	11.5	(1.1)	34.9	(2.7)	45.2	(2.4)	14.2	(1.4)	5.6	(1.0)
Jordan	83.2	(0.9)	10.4	(0.7)	6.4	(0.4)	31.7	(2.4)	60.2	(2.1)	7.5	(1.4)	0.7	(0.3)
Kyrgyzstan	97.4	(0.4)	1.7	(0.3)	0.9	(0.2)	c	c	c	c	c	c	c	c
Latvia	92.9	(0.6)	6.6	(0.6)	0.5	c	18.4	(2.5)	60.6	(3.5)	16.4	(2.8)	4.6	(1.6)
Liechtenstein	63.2	(2.7)	13.1	(1.8)	23.6	(2.4)	24.5	(4.2)	47.2	(5.2)	16.1	(4.0)	12.2	(2.5)
Lithuania	97.9	(0.4)	1.7	(0.3)	0.4	c	c	c	c	c	c	c	c	c
Macao-China	26.4	(0.6)	57.8	(0.7)	15.8	(0.5)	8.8	(0.6)	61.9	(1.2)	23.9	(1.0)	5.4	(0.4)
Montenegro	92.8	(0.5)	1.8	(0.2)	5.4	(0.4)	42.2	(3.5)	51.1	(3.8)	6.7	(2.3)	0.6	(0.6)
Qatar	59.5	(0.5)	22.0	(0.6)	18.5	(0.5)	63.9	(1.1)	31.2	(1.1)	4.1	(0.4)	0.9	(0.2)
Romania	99.9	(0.0)	a	a	0.1	c	c	c	c	c	c	c	c	c
Russian Federation	91.3	(0.5)	4.0	(0.3)	4.8	(0.5)	25.9	(2.7)	58.6	(3.5)	13.2	(2.7)	2.4	(1.1)
Serbia	91.0	(0.5)	3.2	(0.3)	5.9	(0.4)	33.0	(3.0)	60.5	(3.3)	5.8	(1.5)	0.6	(0.4)
Slovenia	89.7	(0.5)	8.5	(0.4)	1.8	(0.2)	26.9	(2.4)	56.2	(2.6)	13.4	(2.3)	3.5	(1.1)
Chinese Taipei	99.4	(0.1)	0.4	(0.1)	0.2	c	c	c	c	c	c	c	c	c
Thailand	99.7	(0.1)	0.3	c	0.0	c	c	c	c	c	c	c	c	c
Tunisia	99.2	(0.1)	0.5	c	0.3	c	c	c	c	c	c	c	c	c
Uruguay	99.6	(0.1)	0.1	c	0.3	c	c	c	c	c	c	c	c	c

Note: Values that are statistically significant are indicated in bold (see Annex B).

[Part 2/2]

Table A2.3 Percentage of students by performance group, according to the immigrant status

	Native students								If students' ESCS were equal to the national average ESCS						
	Lowest performers		Moderate performers		Strong performers		Top performers		Difference in the percentages of top performers between native students and students with an immigrant background (first- and second-generation)		Difference in the percentages of top performers between native students and students with an immigrant background (first- and second-generation)		Increase in the logit of being top performers associated with students being native		
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	Dif.	S.E.	Dif.	S.E.	Logistic regression coefficient	S.E.	
OECD															
Australia	11.8	(0.6)	48.5	(0.6)	25.1	(0.6)	14.6	(0.6)	-1.4	(1.7)	-1.3		-0.11	(0.13)	
Austria	11.9	(1.0)	51.1	(1.5)	25.8	(1.2)	11.1	(0.8)	8.3	(1.0)	6.5		1.14	(0.26)	
Belgium	12.9	(0.9)	48.5	(1.0)	27.2	(0.9)	11.4	(0.6)	9.3	(0.7)	6.8		1.41	(0.25)	
Canada	8.1	(0.5)	47.8	(0.8)	28.7	(0.8)	15.4	(0.6)	2.3	(1.4)	2.0		0.18	(0.12)	
Czech Republic	14.9	(1.2)	51.3	(1.2)	22.0	(0.9)	11.8	(1.0)	c	c	c		c	c	
Denmark	15.6	(1.0)	56.4	(0.9)	20.8	(1.0)	7.3	(0.7)	5.7	(1.0)	3.4		1.01	(0.63)	
Finland	3.5	(0.4)	42.4	(1.1)	32.7	(0.9)	21.3	(0.8)	c	c	c		c	c	
France	18.0	(1.4)	50.6	(1.6)	22.5	(1.1)	8.9	(0.7)	5.0	(1.6)	2.4		0.54	(0.45)	
Germany	10.3	(1.0)	49.3	(1.2)	26.5	(1.0)	13.9	(0.8)	10.8	(1.1)	7.2		1.13	(0.32)	
Greece	22.3	(1.3)	59.2	(1.2)	14.9	(0.9)	3.6	(0.4)	1.7	(1.2)	0.5		0.24	(0.66)	
Hungary	14.8	(1.0)	57.1	(1.2)	21.1	(0.9)	7.0	(0.6)	c	c	c		c	c	
Iceland	19.1	(0.8)	54.9	(0.8)	19.5	(0.8)	6.5	(0.5)	c	c	c		c	c	
Ireland	14.6	(1.0)	54.2	(1.0)	21.8	(0.9)	9.5	(0.7)	-2.6	(2.8)	-1.3		-0.17	(0.27)	
Italy	23.7	(0.8)	55.7	(0.8)	15.7	(0.6)	4.8	(0.4)	3.4	(0.8)	2.3		0.94	(0.62)	
Japan	11.9	(1.0)	46.0	(1.1)	27.0	(1.1)	15.1	(0.8)	c	c	c		c	c	
Korea	10.8	(1.1)	53.1	(1.5)	25.7	(0.9)	10.4	(1.1)	c	c	c		c	c	
Luxembourg	12.2	(0.8)	57.7	(1.5)	22.6	(1.0)	7.5	(0.5)	4.4	(0.6)	1.6		0.40	(0.16)	
Mexico	48.4	(1.3)	47.9	(1.2)	3.4	(0.4)	0.3	(0.1)	c	c	c		c	c	
Netherlands	10.2	(0.8)	47.3	(1.1)	28.0	(1.0)	14.5	(0.9)	10.6	(1.3)	6.6		0.91	(0.30)	
New Zealand	11.5	(0.7)	46.1	(0.9)	24.6	(0.8)	17.8	(0.8)	-0.7	(1.5)	0.1		0.01	(0.10)	
Norway	18.4	(1.1)	57.1	(1.1)	18.1	(0.7)	6.4	(0.5)	2.4	(1.6)	0.8		0.17	(0.41)	
Poland	16.4	(0.8)	57.1	(0.9)	19.6	(0.8)	6.9	(0.5)	c	c	c		c	c	
Portugal	22.4	(1.3)	59.0	(1.3)	15.3	(0.9)	3.3	(0.4)	2.0	(0.9)	1.3		0.99	(0.75)	
Slovak Republic	19.8	(0.9)	56.2	(1.2)	18.1	(1.0)	5.8	(0.5)	c	c	c		c	c	
Spain	17.7	(0.9)	58.4	(0.8)	18.7	(0.7)	5.2	(0.4)	3.6	(1.0)	2.5		1.06	(0.57)	
Sweden	13.2	(0.8)	55.4	(1.0)	22.8	(1.0)	8.5	(0.6)	5.0	(1.2)	3.4		0.67	(0.36)	
Switzerland	9.5	(0.6)	50.9	(1.3)	27.2	(1.1)	12.4	(0.9)	8.2	(0.9)	5.5		0.91	(0.18)	
Turkey	46.0	(1.6)	46.9	(1.5)	6.3	(1.2)	0.9	(0.3)	c	c	c		c	c	
United Kingdom	15.4	(0.6)	47.6	(0.9)	22.6	(0.6)	14.4	(0.6)	4.6	(1.8)	2.6		0.27	(0.20)	
United States	21.1	(1.6)	48.4	(1.3)	20.2	(1.0)	10.3	(0.8)	6.1	(1.0)	2.9		0.53	(0.20)	
OECD average	15.0	(0.2)	52.5	(0.3)	22.5	(0.2)	10.0	(0.1)	4.4	(0.3)	2.8		0.61	(0.09)	
Partners															
Argentina	55.6	(2.5)	39.7	(2.1)	4.2	(0.7)	0.5	(0.1)	c	c	c		c	c	
Azerbaijan	71.5	(1.9)	28.0	(1.9)	0.4	(0.2)	0.0	(0.0)	c	c	c		c	c	
Brazil	59.9	(1.4)	36.0	(1.3)	3.5	(0.4)	0.6	(0.2)	c	c	c		c	c	
Bulgaria	42.0	(2.4)	44.4	(1.7)	10.5	(1.1)	3.1	(0.6)	c	c	c		c	c	
Chile	39.1	(2.1)	50.3	(1.6)	8.6	(1.0)	2.0	(0.3)	c	c	c		c	c	
Colombia	59.2	(1.8)	38.7	(1.8)	2.0	(0.4)	0.2	(0.1)	c	c	c		c	c	
Croatia	16.1	(1.0)	60.0	(1.1)	18.4	(0.9)	5.5	(0.5)	3.0	(0.9)	1.5		0.50	(0.33)	
Estonia	6.6	(0.6)	53.4	(1.2)	27.7	(1.1)	12.3	(0.8)	5.1	(1.5)	4.2		0.56	(0.22)	
Hong Kong-China	8.1	(0.8)	44.3	(1.6)	30.5	(1.4)	17.1	(1.2)	2.4	(1.5)	-1.8		-0.14	(0.12)	
Indonesia	61.1	(3.4)	37.5	(2.9)	1.4	(0.5)	0.0	(0.0)	c	c	c		c	c	
Israel	33.2	(1.5)	46.5	(1.3)	14.6	(0.9)	5.7	(0.7)	0.1	(1.1)	-1.0		-0.23	(0.21)	
Jordan	45.0	(1.4)	49.0	(1.2)	5.4	(0.7)	0.6	(0.2)	0.0	(0.4)	0.1		0.23	(0.61)	
Kyrgyzstan	86.4	(0.9)	12.9	(0.9)	0.7	(0.2)	0.0	(0.0)	c	c	c		c	c	
Latvia	16.5	(1.2)	62.4	(1.2)	17.0	(1.0)	4.2	(0.4)	-0.5	(1.6)	-0.1		-0.04	(0.39)	
Liechtenstein	5.9	(2.4)	51.0	(3.9)	30.6	(3.3)	12.5	(2.3)	0.3	(3.3)	-0.6		-0.07	(0.33)	
Lithuania	19.7	(1.0)	57.5	(1.2)	17.7	(0.9)	5.0	(0.7)	c	c	c		c	c	
Macao-China	12.9	(1.1)	61.1	(1.8)	20.7	(1.5)	5.3	(0.8)	-0.1	(0.9)	-1.2		-0.26	(0.20)	
Montenegro	50.5	(1.0)	45.8	(1.1)	3.5	(0.4)	0.3	(0.1)	0.2	(0.4)	0.2		11.71	(7.53)	
Qatar	87.5	(0.6)	12.3	(0.6)	0.2	(0.1)	0.0	(0.0)	-0.8	(0.2)	m		m	m	
Romania	46.9	(2.4)	48.4	(2.3)	4.2	(0.8)	0.5	(0.1)	c	c	c		c	c	
Russian Federation	21.5	(1.5)	58.8	(1.1)	15.3	(1.1)	4.4	(0.5)	2.0	(1.2)	1.6		0.64	(0.52)	
Serbia	38.6	(1.6)	53.9	(1.4)	6.7	(0.6)	0.8	(0.2)	0.2	(0.4)	0.2		0.30	(0.87)	
Slovenia	12.1	(0.6)	50.1	(1.1)	23.7	(1.2)	14.1	(0.7)	10.6	(1.3)	6.7		1.01	(0.35)	
Chinese Taipei	11.0	(1.0)	45.8	(1.2)	28.3	(1.0)	14.9	(0.9)	c	c	c		c	c	
Thailand	45.5	(1.2)	50.1	(1.1)	4.1	(0.4)	0.4	(0.1)	c	c	c		c	c	
Tunisia	62.1	(1.4)	35.8	(1.2)	2.0	(0.5)	0.1	(0.1)	c	c	c		c	c	
Uruguay	41.2	(1.4)	50.2	(1.3)	7.1	(0.6)	1.5	(0.2)	c	c	c		c	c	

Note: Values that are statistically significant are indicated in bold (see Annex B).

[Part 2/2]

Table A2.4 Percentage of students by performance group, according to the language spoken at home

	Language spoken at home most of the time is the SAME as the language of assessment, other official languages or another national dialect								If students' ESCS were equal to the national average ESCS					
	Lowest performers		Moderate performers		Strong performers		Top performers		Difference in the percentages of top performers between students who do not speak the language of assessment at home and students who speak the language of assessment at home		Difference in the percentages of top performers between students who do not speak the language of assessment at home and students who speak the language of assessment at home		Increase in the logit of being top performers associated with students speaking the language of assessment at home	
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	Dif.	S.E.	Dif.	S.E.	Logistic regression coefficient	S.E.
OECD														
Australia	11.7	(0.5)	48.2	(0.6)	25.1	(0.6)	15.0	(0.7)	1.2	(2.3)	-0.5		-0.05	(0.20)
Austria	12.1	(1.0)	51.1	(1.5)	25.7	(1.2)	11.1	(0.8)	8.9	(1.0)	7.2		1.39	(0.34)
Belgium	13.4	(0.8)	48.4	(0.9)	26.9	(0.8)	11.4	(0.6)	9.3	(1.1)	6.6		1.33	(0.47)
Canada	8.5	(0.5)	47.6	(0.7)	28.7	(0.7)	15.2	(0.6)	2.9	(1.8)	1.8		0.16	(0.17)
Czech Republic	14.8	(1.2)	51.3	(1.2)	22.0	(0.9)	11.8	(1.0)	c	c	c		c	c
Denmark	16.2	(1.0)	56.0	(0.9)	20.6	(1.0)	7.3	(0.7)	6.0	(1.2)	4.1		1.44	(1.10)
Finland	3.7	(0.4)	42.5	(1.1)	32.5	(0.9)	21.3	(0.8)	c	c	c		c	c
France	19.5	(1.4)	50.3	(1.5)	21.7	(1.1)	8.5	(0.7)	3.7	(1.8)	1.5		0.30	(0.42)
Germany	10.6	(1.0)	48.9	(1.2)	26.5	(1.0)	14.0	(0.8)	12.4	(1.0)	9.6		1.97	(0.54)
Greece	22.8	(1.3)	59.0	(1.2)	14.6	(0.9)	3.7	(0.4)	3.5	(0.6)	2.5		11.72	(6.41)
Hungary	14.6	(0.9)	57.3	(1.2)	21.2	(0.9)	7.0	(0.7)	c	c	c		c	c
Iceland	19.2	(0.8)	54.7	(0.9)	19.5	(0.8)	6.5	(0.5)	c	c	c		c	c
Ireland	14.6	(1.0)	53.9	(0.9)	21.8	(0.9)	9.6	(0.7)	c	c	c		c	c
Italy	21.4	(0.9)	56.5	(0.9)	16.9	(0.7)	5.2	(0.4)	c	c	c		c	c
Japan	11.4	(1.0)	45.7	(1.1)	27.4	(1.1)	15.5	(0.8)	c	c	c		c	c
Korea	11.2	(1.1)	52.8	(1.5)	25.6	(0.9)	10.4	(1.1)	c	c	c		c	c
Luxembourg	11.7	(0.7)	57.0	(1.3)	23.4	(1.0)	8.0	(0.5)	6.5	(0.7)	3.3		0.97	(0.32)
Mexico	50.8	(1.4)	45.8	(1.3)	3.2	(0.3)	0.3	(0.1)	c	c	c		c	c
Netherlands	10.8	(0.7)	48.2	(1.2)	27.1	(1.0)	13.9	(0.9)	10.6	(1.4)	7.1		1.07	(0.42)
New Zealand	11.1	(0.6)	45.3	(0.9)	25.1	(0.8)	18.5	(0.8)	3.5	(2.0)	1.7		0.14	(0.17)
Norway	18.9	(1.1)	56.8	(1.1)	17.9	(0.7)	6.4	(0.5)	2.6	(1.6)	1.6		0.35	(0.47)
Poland	16.9	(0.8)	56.9	(0.9)	19.4	(0.8)	6.8	(0.5)	c	c	c		c	c
Portugal	23.3	(1.3)	58.0	(1.3)	15.3	(0.9)	3.3	(0.4)	c	c	c		c	c
Slovak Republic	20.0	(0.9)	56.1	(1.2)	18.1	(1.0)	5.8	(0.5)	c	c	c		c	c
Spain	18.4	(0.9)	58.3	(0.7)	18.3	(0.8)	5.0	(0.4)	c	c	c		c	c
Sweden	13.3	(0.7)	55.7	(1.0)	22.5	(1.0)	8.5	(0.6)	5.6	(1.3)	4.1		0.90	(0.43)
Switzerland	10.4	(0.6)	50.7	(1.2)	26.8	(1.1)	12.2	(0.9)	9.1	(1.0)	6.0		1.05	(0.27)
Turkey	46.1	(1.7)	46.6	(1.5)	6.3	(1.2)	0.9	(0.3)	c	c	c		c	c
United Kingdom	15.6	(0.6)	47.7	(0.8)	22.4	(0.6)	14.3	(0.6)	7.2	(2.1)	4.4		0.50	(0.31)
United States	21.4	(1.6)	48.6	(1.3)	20.0	(1.1)	10.1	(0.8)	7.3	(1.0)	3.7		0.75	(0.34)
OECD average	17.1	(0.2)	51.9	(0.2)	21.4	(0.2)	9.6	(0.1)	6.3	(0.4)	4.0		1.50	(0.42)
Partners														
Argentina	55.8	(2.5)	39.6	(2.2)	4.2	(0.6)	0.5	(0.1)	c	c	c		c	c
Azerbaijan	72.2	(1.9)	27.4	(1.8)	0.4	(0.2)	0.0	(0.0)	c	c	c		c	c
Brazil	60.9	(1.4)	35.1	(1.3)	3.4	(0.4)	0.6	(0.2)	c	c	c		c	c
Bulgaria	40.2	(2.3)	45.6	(1.6)	11.0	(1.2)	3.2	(0.6)	3.1	(0.7)	1.9		6.41	(7.54)
Chile	39.7	(2.1)	50.0	(1.6)	8.4	(1.1)	1.9	(0.4)	c	c	c		c	c
Colombia	60.1	(1.8)	37.8	(1.8)	1.9	(0.4)	0.2	(0.1)	c	c	c		c	c
Croatia	16.8	(0.9)	60.3	(1.0)	17.8	(0.9)	5.1	(0.5)	c	c	c		c	c
Estonia	7.4	(0.6)	54.5	(1.1)	26.4	(0.9)	11.6	(0.8)	c	c	c		c	c
Hong Kong-China	7.7	(0.7)	45.5	(1.2)	30.4	(1.0)	16.4	(1.0)	c	c	c		c	c
Indonesia	61.3	(3.4)	37.3	(2.9)	1.4	(0.6)	0.0	(0.0)	c	c	c		c	c
Israel	33.6	(1.4)	46.5	(1.2)	14.4	(0.9)	5.5	(0.7)	-0.7	(1.7)	-1.9		-0.41	(0.31)
Jordan	43.3	(1.2)	50.3	(1.0)	5.7	(0.7)	0.6	(0.2)	c	c	c		c	c
Kyrgyzstan	86.2	(1.0)	13.1	(0.9)	0.7	(0.2)	0.0	(0.0)	c	c	c		c	c
Latvia	16.9	(1.1)	62.1	(1.2)	16.8	(1.0)	4.1	(0.4)	c	c	c		c	c
Liechtenstein	7.8	(1.9)	51.2	(3.8)	28.2	(2.9)	12.9	(2.0)	9.3	(3.8)	3.4		0.64	(1.12)
Lithuania	19.9	(1.0)	57.4	(1.1)	17.6	(0.9)	5.1	(0.7)	c	c	c		c	c
Macao-China	9.6	(0.5)	61.7	(0.8)	23.2	(0.8)	5.5	(0.4)	3.5	(1.5)	3.6		1.05	(0.81)
Montenegro	49.6	(1.0)	46.5	(1.1)	3.6	(0.4)	0.3	(0.1)	c	c	c		c	c
Qatar	79.2	(0.5)	19.2	(0.5)	1.3	(0.1)	0.2	(0.1)	-2.9	(1.2)	m		m	m
Romania	46.8	(2.4)	48.5	(2.3)	4.3	(0.8)	0.5	(0.1)	c	c	c		c	c
Russian Federation	20.3	(1.3)	59.0	(0.9)	16.2	(1.1)	4.6	(0.5)	4.3	(0.7)	0.2		7.29	(7.54)
Serbia	38.4	(1.6)	54.3	(1.4)	6.6	(0.6)	0.8	(0.2)	c	c	c		c	c
Slovenia	12.1	(0.6)	50.5	(1.1)	23.6	(1.2)	13.8	(0.6)	11.6	(1.3)	0.5		1.39	(0.53)
Chinese Taipei	10.7	(0.9)	45.6	(1.2)	28.5	(1.0)	15.2	(0.9)	c	c	c		c	c
Thailand	45.5	(1.2)	49.9	(1.1)	4.1	(0.4)	0.4	(0.1)	c	c	c		c	c
Tunisia	63.0	(1.3)	34.9	(1.2)	1.9	(0.5)	0.1	(0.1)	-0.1	(0.5)	0.0		9.11	(9.58)
Uruguay	41.0	(1.4)	50.4	(1.3)	7.1	(0.6)	1.5	(0.2)	c	c	c		c	c

Note: Values that are statistically significant are indicated in bold (see Annex B).



[Part 1/1]

Table A2.5a Students' socio-economic background, by performance group

	PISA index of economic, social and cultural status (ESCS)								Difference in the mean index between strong performers and top performers	
	Lowest performers		Moderate performers		Strong performers		Top performers			
	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Dif.	SE
OECD	Australia	-0.23 (0.03)	0.11 (0.01)	0.38 (0.02)	0.60 (0.02)	-0.22 (0.03)				
	Austria	-0.38 (0.07)	0.16 (0.03)	0.49 (0.04)	0.61 (0.05)	-0.12 (0.06)				
	Belgium	-0.47 (0.04)	0.09 (0.02)	0.54 (0.03)	0.75 (0.04)	-0.21 (0.04)				
	Canada	-0.06 (0.04)	0.26 (0.02)	0.52 (0.02)	0.70 (0.02)	-0.18 (0.03)				
	Czech Republic	-0.41 (0.04)	-0.06 (0.02)	0.26 (0.03)	0.57 (0.04)	-0.32 (0.04)				
	Denmark	-0.20 (0.04)	0.27 (0.03)	0.65 (0.04)	0.94 (0.06)	-0.29 (0.07)				
	Finland	-0.18 (0.07)	0.08 (0.02)	0.35 (0.03)	0.57 (0.03)	-0.22 (0.04)				
	France	-0.65 (0.04)	-0.14 (0.03)	0.30 (0.04)	0.59 (0.06)	-0.28 (0.06)				
	Germany	-0.38 (0.06)	0.18 (0.03)	0.62 (0.03)	0.90 (0.04)	-0.28 (0.05)				
	Greece	-0.66 (0.04)	-0.11 (0.03)	0.33 (0.05)	0.64 (0.10)	-0.31 (0.11)				
	Hungary	-0.76 (0.05)	-0.16 (0.03)	0.35 (0.04)	0.69 (0.06)	-0.34 (0.06)				
	Iceland	0.46 (0.03)	0.74 (0.02)	1.03 (0.04)	1.20 (0.07)	-0.17 (0.09)				
	Ireland	-0.48 (0.05)	-0.09 (0.03)	0.28 (0.04)	0.48 (0.05)	-0.21 (0.05)				
	Italy	-0.46 (0.03)	-0.05 (0.02)	0.29 (0.03)	0.59 (0.06)	-0.30 (0.06)				
	Japan	-0.35 (0.04)	-0.09 (0.02)	0.11 (0.03)	0.27 (0.03)	-0.17 (0.04)				
	Korea	-0.38 (0.04)	-0.10 (0.02)	0.17 (0.03)	0.43 (0.07)	-0.26 (0.06)				
	Luxembourg	-0.68 (0.04)	0.13 (0.02)	0.65 (0.03)	0.87 (0.06)	-0.22 (0.07)				
	Mexico	-1.44 (0.05)	-0.59 (0.04)	0.30 (0.08)	c	c	c	c		
	Netherlands	-0.36 (0.07)	0.12 (0.03)	0.53 (0.04)	0.80 (0.03)	-0.26 (0.05)				
	New Zealand	-0.45 (0.05)	-0.03 (0.02)	0.29 (0.03)	0.58 (0.03)	-0.29 (0.04)				
	Norway	0.12 (0.04)	0.41 (0.02)	0.66 (0.04)	0.82 (0.06)	-0.16 (0.08)				
	Poland	-0.78 (0.03)	-0.36 (0.02)	0.03 (0.04)	0.40 (0.05)	-0.37 (0.06)				
	Portugal	-1.28 (0.04)	-0.59 (0.04)	0.11 (0.07)	0.66 (0.11)	-0.55 (0.12)				
	Slovak Republic	-0.71 (0.06)	-0.16 (0.03)	0.26 (0.04)	0.63 (0.06)	-0.37 (0.07)				
	Spain	-0.84 (0.04)	-0.35 (0.03)	0.18 (0.05)	0.49 (0.08)	-0.31 (0.07)				
	Sweden	-0.16 (0.04)	0.19 (0.02)	0.49 (0.03)	0.68 (0.05)	-0.19 (0.06)				
Switzerland	-0.45 (0.03)	-0.01 (0.02)	0.40 (0.03)	0.67 (0.04)	-0.27 (0.05)					
Turkey	-1.61 (0.04)	-1.13 (0.04)	-0.07 (0.13)	c	c	c	c			
United Kingdom	-0.25 (0.03)	0.08 (0.02)	0.44 (0.02)	0.68 (0.03)	-0.25 (0.03)					
United States	-0.36 (0.04)	0.10 (0.03)	0.55 (0.05)	0.80 (0.06)	-0.25 (0.06)					
OECD average	-0.42 (0.01)	0.02 (0.00)	0.40 (0.01)	0.66 (0.01)	-0.26 (0.01)					
Partners	Argentina	-1.04 (0.05)	-0.19 (0.07)	0.46 (0.11)	c	c	c	c		
	Azerbaijan	-0.57 (0.03)	-0.13 (0.07)	c	c	c	c	c		
	Brazil	-1.46 (0.03)	-0.70 (0.04)	0.30 (0.12)	c	c	c	c		
	Bulgaria	-0.70 (0.05)	0.02 (0.04)	0.49 (0.07)	0.75 (0.10)	-0.26 (0.11)				
	Chile	-1.25 (0.05)	-0.50 (0.06)	0.37 (0.08)	c	c	c	c		
	Colombia	-1.29 (0.05)	-0.62 (0.06)	c	c	c	c	c		
	Croatia	-0.51 (0.03)	-0.16 (0.02)	0.24 (0.04)	0.63 (0.05)	-0.39 (0.07)				
	Estonia	-0.24 (0.06)	0.01 (0.02)	0.32 (0.04)	0.60 (0.05)	-0.28 (0.06)				
	Hong Kong-China	-1.07 (0.06)	-0.82 (0.03)	-0.53 (0.05)	-0.32 (0.06)	-0.20 (0.06)				
	Indonesia	-1.75 (0.04)	-1.17 (0.08)	c	c	c	c	c		
	Israel	-0.10 (0.03)	0.28 (0.03)	0.60 (0.04)	0.76 (0.05)	-0.17 (0.07)				
	Jordan	-0.93 (0.04)	-0.35 (0.03)	0.20 (0.08)	c	c	c	c		
	Kyrgyzstan	-0.75 (0.02)	-0.14 (0.06)	c	c	c	c	c		
	Latvia	-0.44 (0.05)	-0.04 (0.02)	0.33 (0.04)	0.57 (0.08)	-0.23 (0.09)				
	Liechtenstein	-0.66 (0.14)	0.11 (0.07)	0.50 (0.10)	0.74 (0.14)	-0.24 (0.17)				
	Lithuania	-0.47 (0.03)	0.02 (0.03)	0.46 (0.05)	0.76 (0.07)	-0.30 (0.07)				
	Macao-China	-1.08 (0.05)	-0.96 (0.02)	-0.77 (0.04)	-0.59 (0.08)	-0.18 (0.09)				
	Montenegro	-0.22 (0.02)	0.15 (0.02)	0.61 (0.12)	c	c	c	c		
	Qatar	0.14 (0.01)	0.45 (0.02)	c	c	c	c	c		
	Romania	-0.69 (0.05)	-0.15 (0.05)	0.54 (0.09)	c	c	c	c		
	Russian Federation	-0.40 (0.03)	-0.10 (0.03)	0.19 (0.04)	0.41 (0.07)	-0.22 (0.07)				
	Serbia	-0.47 (0.03)	0.01 (0.03)	0.50 (0.07)	c	c	c	c		
	Slovenia	-0.40 (0.03)	-0.01 (0.02)	0.41 (0.03)	0.73 (0.05)	-0.31 (0.07)				
	Chinese Taipei	-0.75 (0.04)	-0.45 (0.03)	-0.14 (0.03)	0.14 (0.03)	-0.28 (0.04)				
	Thailand	-1.79 (0.03)	-1.22 (0.04)	-0.14 (0.11)	c	c	c	c		
	Tunisia	-1.49 (0.06)	-0.79 (0.10)	c	c	c	c	c		
Uruguay	-1.00 (0.04)	-0.28 (0.04)	0.45 (0.06)	c	c	c	c			

Note: Values that are statistically significant are indicated in bold (see Annex B).

[Part 1/1]

Table A2.5b Percentage of students with the PISA index of economic, social and cultural status (ESCS) lower than the national average ESCS, by performance group

	Percentage of students in each performance group with the PISA index of economic, social and cultural status (ESCS) lower than the national average ESCS									
	Lowest performers		Moderate performers		Strong performers		Top performers		Difference in the mean index between strong performers and top performers	
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	Dif.	S.E.
OECD										
Australia	71.2	(1.4)	54.7	(0.9)	39.4	(1.2)	28.3	(1.4)	11.0	(1.9)
Austria	78.1	(2.3)	55.1	(1.5)	37.6	(2.1)	32.6	(3.3)	5.0	(3.7)
Belgium	77.6	(1.7)	54.5	(1.2)	33.8	(1.5)	23.4	(1.8)	10.4	(2.2)
Canada	69.1	(2.0)	55.0	(1.0)	40.7	(1.4)	30.5	(1.5)	10.2	(1.8)
Czech Republic	73.2	(1.9)	56.7	(1.7)	38.6	(2.0)	23.0	(1.8)	15.6	(2.3)
Denmark	69.7	(2.1)	52.3	(1.5)	33.6	(2.0)	23.0	(2.9)	10.6	(3.1)
Finland	72.8	(3.7)	59.2	(1.4)	43.7	(1.6)	33.5	(2.0)	10.2	(2.4)
France	76.6	(2.2)	53.5	(1.7)	30.2	(2.2)	18.6	(3.3)	11.5	(4.1)
Germany	77.7	(2.2)	58.0	(1.6)	37.6	(2.1)	25.8	(2.4)	11.8	(3.7)
Greece	71.8	(1.9)	50.1	(1.6)	32.3	(2.5)	18.2	(3.5)	14.1	(3.7)
Hungary	80.4	(2.4)	57.1	(1.5)	34.6	(2.0)	20.3	(2.8)	14.3	(3.2)
Iceland	62.8	(1.9)	50.6	(1.2)	35.3	(2.2)	25.6	(3.3)	9.7	(4.3)
Ireland	73.4	(2.3)	56.4	(1.4)	38.3	(2.5)	27.7	(2.7)	10.6	(2.9)
Italy	67.2	(1.4)	50.3	(1.2)	34.2	(1.9)	22.4	(2.7)	11.9	(3.4)
Japan	71.7	(2.5)	56.0	(1.4)	44.3	(1.7)	33.7	(2.2)	10.6	(2.8)
Korea	67.8	(2.5)	55.2	(1.3)	41.8	(2.0)	28.7	(3.4)	13.1	(3.3)
Luxembourg	76.5	(1.6)	45.4	(1.0)	23.0	(2.1)	15.0	(3.0)	8.0	(4.2)
Mexico	66.2	(1.8)	40.9	(1.4)	16.5	(3.1)	c	c	c	c
Netherlands	76.7	(2.2)	56.3	(1.4)	35.1	(2.0)	24.2	(1.9)	10.9	(3.1)
New Zealand	75.5	(2.5)	56.1	(1.5)	40.0	(1.8)	25.1	(1.8)	14.9	(2.5)
Norway	66.3	(2.1)	52.5	(1.4)	37.4	(2.7)	26.6	(3.1)	10.8	(4.5)
Poland	77.5	(1.7)	56.2	(1.3)	39.4	(2.5)	25.2	(3.0)	14.3	(4.5)
Portugal	74.7	(1.8)	51.3	(1.6)	29.1	(2.2)	18.0	(3.9)	11.1	(4.7)
Slovak Republic	79.3	(2.0)	58.2	(1.3)	39.4	(2.5)	23.3	(3.3)	16.0	(4.2)
Spain	72.6	(1.8)	55.1	(1.2)	33.3	(2.0)	22.5	(2.6)	10.8	(2.4)
Sweden	69.7	(2.3)	53.2	(1.3)	36.6	(2.0)	24.9	(3.2)	11.8	(4.3)
Switzerland	74.4	(1.9)	54.8	(1.0)	35.3	(1.4)	23.5	(2.3)	11.9	(3.0)
Turkey	66.5	(1.7)	48.5	(1.8)	17.0	(3.4)	c	c	c	c
United Kingdom	73.0	(1.7)	56.6	(1.0)	36.9	(1.5)	24.9	(1.8)	11.9	(2.1)
United States	71.8	(2.2)	49.9	(1.7)	29.4	(2.4)	19.2	(3.0)	10.1	(3.6)
OECD average	73.2	(0.4)	54.3	(0.3)	36.1	(0.4)	24.6	(0.5)	11.5	(0.6)
Partners										
Argentina	64.1	(2.2)	33.5	(2.6)	14.9	(3.4)	c	c	c	c
Azerbaijan	57.6	(1.4)	41.8	(2.6)	c	c	c	c	c	c
Brazil	61.0	(1.4)	36.1	(1.6)	9.0	(2.6)	c	c	c	c
Bulgaria	74.1	(1.7)	44.5	(2.0)	24.1	(3.3)	15.8	(4.2)	8.3	(4.9)
Chile	71.7	(1.9)	44.6	(2.2)	16.0	(2.5)	c	c	c	c
Colombia	58.3	(2.2)	37.8	(2.4)	c	c	c	c	c	c
Croatia	71.1	(1.9)	56.6	(1.1)	39.4	(2.0)	21.3	(3.2)	18.1	(4.2)
Estonia	72.3	(3.5)	57.7	(1.2)	41.5	(2.0)	27.1	(3.0)	14.4	(3.6)
Hong Kong-China	68.4	(2.6)	57.7	(1.8)	45.0	(2.2)	37.6	(3.1)	7.4	(3.3)
Indonesia	62.0	(1.7)	40.0	(3.6)	c	c	c	c	c	c
Israel	62.0	(1.8)	42.1	(1.7)	26.6	(2.7)	17.0	(3.1)	9.6	(4.7)
Jordan	61.4	(1.3)	39.3	(1.5)	19.1	(3.2)	c	c	c	c
Kyrgyzstan	55.0	(1.1)	27.2	(2.4)	c	c	c	c	c	c
Latvia	68.0	(2.4)	52.6	(1.3)	35.4	(2.3)	23.1	(4.0)	12.3	(4.5)
Liechtenstein	81.6	(7.2)	56.1	(4.0)	37.2	(5.8)	30.2	(7.8)	7.0	(9.6)
Lithuania	72.2	(1.6)	51.8	(1.4)	33.0	(2.4)	17.8	(3.5)	15.2	(4.2)
Macao-China	58.9	(2.7)	54.8	(1.1)	44.9	(2.1)	40.6	(4.4)	4.3	(5.3)
Montenegro	59.1	(1.1)	42.4	(1.3)	23.8	(5.9)	c	c	c	c
Qatar	46.1	(0.6)	28.7	(1.3)	c	c	c	c	c	c
Romania	64.8	(2.1)	44.3	(2.2)	16.4	(4.9)	c	c	c	c
Russian Federation	68.4	(1.9)	52.2	(1.4)	36.0	(2.6)	22.7	(4.0)	13.4	(4.4)
Serbia	68.3	(1.6)	47.6	(1.5)	28.2	(3.4)	c	c	c	c
Slovenia	76.9	(1.8)	60.5	(1.2)	38.4	(1.7)	24.4	(2.7)	13.9	(3.5)
Chinese Taipei	73.0	(2.2)	57.4	(1.3)	40.4	(1.6)	28.5	(1.5)	11.8	(2.2)
Thailand	70.7	(1.5)	50.0	(1.5)	16.3	(2.9)	c	c	c	c
Tunisia	60.8	(2.0)	39.3	(3.1)	c	c	c	c	c	c
Uruguay	65.6	(1.8)	40.1	(1.7)	16.6	(2.9)	c	c	c	c

Note: Values that are statistically significant are indicated in bold (see Annex B).



[Part 1/1]

Percentage of students with the PISA index of economic, social and cultural status (ESCS)

Table A2.5c lower than the OECD average ESCS, by performance group

		Percentage of students in each performance group with the PISA index of economic, social and cultural status (ESCS) lower than the OECD average ESCS									
		Lowest performers		Moderate performers		Strong performers		Top performers		Difference in the percentages between strong performers and top performers	
		%	S.E.	%	S.E.	%	S.E.	%	S.E.	Dif.	S.E.
OECD	Australia	62.9	(1.6)	44.9	(0.9)	30.3	(1.2)	19.7	(1.3)	10.6	(1.8)
	Austria	69.5	(2.7)	45.2	(1.4)	28.7	(1.8)	23.6	(2.6)	5.1	(3.0)
	Belgium	72.8	(1.9)	47.3	(1.3)	26.2	(1.4)	17.8	(1.6)	8.4	(1.9)
	Canada	55.4	(2.3)	39.5	(1.0)	26.3	(1.3)	17.3	(1.4)	9.0	(1.7)
	Czech Republic	71.6	(2.0)	56.2	(1.7)	37.5	(1.9)	21.9	(1.8)	15.6	(2.3)
	Denmark	60.7	(2.2)	39.5	(1.5)	23.4	(1.8)	14.5	(2.7)	8.9	(3.2)
	Finland	62.3	(4.3)	46.9	(1.4)	32.6	(1.5)	24.4	(1.5)	8.2	(2.0)
	France	82.2	(1.9)	59.3	(1.6)	35.9	(2.2)	22.4	(2.9)	13.5	(3.4)
	Germany	69.1	(2.2)	46.1	(1.6)	25.6	(1.5)	13.3	(1.9)	12.3	(2.8)
	Greece	76.8	(1.8)	56.5	(1.6)	37.5	(2.7)	21.2	(3.9)	16.3	(4.5)
	Hungary	84.3	(1.9)	61.1	(1.5)	38.6	(2.2)	22.8	(2.8)	15.8	(3.4)
	Iceland	33.9	(1.7)	21.1	(1.0)	11.5	(1.6)	6.9	(1.9)	4.7	(2.7)
	Ireland	75.2	(2.2)	57.9	(1.4)	39.4	(2.4)	28.5	(2.7)	10.9	(2.9)
	Italy	70.2	(1.3)	53.0	(1.2)	36.9	(1.9)	25.4	(2.9)	11.5	(3.5)
	Japan	73.6	(2.2)	57.6	(1.4)	45.5	(1.8)	34.9	(2.2)	10.6	(3.0)
	Korea	69.6	(2.4)	56.3	(1.3)	43.0	(2.0)	29.4	(3.5)	13.6	(3.3)
	Luxembourg	74.3	(1.6)	42.5	(1.0)	21.4	(1.9)	12.1	(2.7)	9.3	(3.9)
	Mexico	86.4	(0.9)	64.4	(1.6)	35.1	(3.3)	c	c	c	c
	Netherlands	66.0	(3.0)	44.8	(1.4)	26.1	(2.0)	16.3	(1.9)	9.8	(2.9)
	New Zealand	73.1	(2.5)	51.8	(1.7)	34.4	(2.0)	21.6	(1.7)	12.8	(2.5)
	Norway	48.0	(2.3)	30.1	(1.2)	17.8	(1.9)	12.8	(2.9)	5.0	(3.6)
	Poland	87.9	(1.5)	72.0	(1.2)	54.5	(2.0)	36.2	(3.0)	18.4	(3.8)
	Portugal	88.5	(1.3)	69.3	(1.5)	46.1	(2.6)	31.3	(4.3)	14.7	(4.7)
	Slovak Republic	84.1	(1.8)	64.7	(1.2)	45.8	(2.4)	28.4	(3.9)	17.4	(4.7)
	Spain	81.9	(1.4)	65.7	(1.3)	43.9	(2.3)	32.2	(3.3)	11.7	(3.1)
	Sweden	59.6	(2.0)	40.7	(1.3)	25.2	(2.0)	14.7	(2.5)	10.5	(3.4)
Switzerland	71.4	(1.9)	50.5	(1.1)	32.2	(1.4)	20.7	(2.1)	11.4	(2.8)	
Turkey	94.0	(0.7)	84.0	(1.4)	47.4	(5.9)	c	c	c	c	
United Kingdom	66.8	(1.9)	48.3	(1.0)	29.0	(1.4)	19.0	(1.6)	10.0	(1.9)	
United States	67.0	(2.4)	44.5	(1.7)	25.1	(2.2)	14.6	(2.7)	10.5	(3.1)	
OECD average	70.0	(0.4)	50.5	(0.3)	32.9	(0.4)	21.6	(0.5)	11.3	(0.6)	
Partners	Argentina	83.5	(1.6)	54.8	(2.8)	27.1	(4.7)	c	c	c	c
	Azerbaijan	71.1	(1.3)	52.6	(2.6)	c	c	c	c	c	c
	Brazil	87.3	(0.8)	67.0	(1.6)	29.3	(4.5)	c	c	c	c
	Bulgaria	80.5	(1.5)	53.7	(2.1)	30.6	(3.6)	19.6	(4.4)	11.0	(4.9)
	Chile	89.0	(1.1)	68.3	(2.1)	34.7	(3.5)	c	c	c	c
	Colombia	85.9	(1.2)	67.2	(2.2)	c	c	c	c	c	c
	Croatia	76.3	(2.0)	62.1	(1.1)	45.0	(2.1)	27.5	(3.6)	17.6	(4.2)
	Estonia	66.7	(3.5)	51.4	(1.3)	36.1	(2.1)	22.6	(2.5)	13.5	(3.3)
	Hong Kong-China	87.8	(2.2)	81.8	(1.2)	73.3	(2.2)	64.4	(3.3)	8.9	(2.8)
	Indonesia	94.2	(0.7)	82.4	(2.0)	c	c	c	c	c	c
	Israel	56.3	(1.4)	34.6	(1.8)	20.3	(2.4)	12.8	(2.5)	7.5	(3.7)
	Jordan	78.4	(1.2)	58.7	(1.5)	34.0	(3.9)	c	c	c	c
	Kyrgyzstan	80.9	(0.9)	55.9	(3.1)	c	c	c	c	c	c
	Latvia	70.1	(2.4)	53.7	(1.3)	36.4	(2.3)	23.6	(4.0)	12.9	(4.5)
	Liechtenstein	70.9	(7.9)	47.6	(4.0)	34.4	(6.0)	18.2	(7.3)	16.2	(10.1)
	Lithuania	71.1	(1.7)	50.1	(1.4)	31.6	(2.2)	17.2	(3.6)	14.5	(4.3)
	Macao-China	87.4	(2.1)	86.9	(0.7)	83.4	(1.5)	74.9	(3.3)	8.5	(4.0)
	Montenegro	60.0	(1.1)	43.0	(1.3)	23.8	(5.9)	c	c	c	c
	Qatar	40.9	(0.6)	24.3	(1.2)	c	c	c	c	c	c
	Romania	80.0	(1.4)	60.4	(2.3)	27.8	(4.7)	c	c	c	c
	Russian Federation	72.3	(1.9)	56.1	(1.4)	39.5	(2.8)	26.9	(4.1)	12.6	(4.6)
	Serbia	73.8	(1.4)	54.8	(1.4)	33.0	(3.9)	c	c	c	c
	Slovenia	72.8	(1.7)	54.7	(1.2)	32.9	(1.9)	20.6	(2.9)	12.3	(4.0)
	Chinese Taipei	84.5	(1.7)	72.6	(1.1)	57.2	(1.4)	43.0	(1.9)	14.2	(2.3)
	Thailand	95.4	(0.5)	82.7	(1.3)	48.1	(4.5)	c	c	c	c
	Tunisia	85.9	(1.4)	67.2	(3.2)	c	c	c	c	c	c
Uruguay	80.6	(1.4)	57.9	(1.5)	31.9	(2.9)	c	c	c	c	

Note: Values that are statistically significant are indicated in bold (see Annex B).

[Part 1/1]

Table A2.6a Percentage of students in schools with no top performers

		Percentage of students in schools with no top performers	
		%	S.E.
OECD	Australia	5.6	(1.7)
	Austria	40.7	(3.7)
	Belgium	37.3	(2.9)
	Canada	12.2	(2.3)
	Czech Republic	40.0	(4.4)
	Denmark	32.8	(4.0)
	Finland	0.7	(0.7)
	France	49.6	(3.1)
	Germany	42.2	(3.3)
	Greece	52.6	(3.8)
	Hungary	52.4	(3.7)
	Iceland	18.1	(4.8)
	Ireland	18.7	(3.5)
	Italy	56.6	(2.5)
	Japan	24.9	(3.2)
	Korea	22.9	(3.1)
	Luxembourg	17.3	(2.8)
	Mexico	c	c
	Netherlands	47.8	(3.0)
	New Zealand	5.8	(1.8)
	Norway	30.5	(4.2)
	Poland	22.5	(5.4)
	Portugal	52.9	(4.3)
	Slovak Republic	52.0	(3.8)
	Spain	38.3	(3.4)
	Sweden	21.8	(3.8)
Switzerland	36.1	(2.9)	
Turkey	c	c	
United Kingdom	12.0	(2.4)	
United States	21.6	(3.6)	
OECD average	30.9	(0.6)	
Partners	Argentina	c	c
	Azerbaijan	c	c
	Brazil	c	c
	Bulgaria	70.6	(4.2)
	Chile	c	c
	Colombia	c	c
	Croatia	54.3	(3.7)
	Estonia	17.6	(3.0)
	Hong Kong-China	18.7	(3.5)
	Indonesia	c	c
	Israel	42.3	(4.7)
	Jordan	c	c
	Kyrgyzstan	c	c
	Latvia	45.6	(4.5)
	Liechtenstein	48.1	(8.2)
	Lithuania	48.0	(4.7)
	Macao-China	6.1	(3.3)
	Montenegro	c	c
	Qatar	c	c
	Romania	c	c
	Russian Federation	47.3	(4.6)
	Serbia	c	c
	Slovenia	47.3	(2.8)
	Chinese Taipei	28.1	(3.4)
	Thailand	c	c
	Tunisia	c	c
Uruguay	c	c	



[Part 1/1]

Table A2.6b School average performance in science, by performance group

	School average performance in science									
	Lowest performers		Moderate performers		Strong performers		Top performers		Difference in the mean scores between schools with strong performers and schools with top performers	
	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Dif.	S.E.
OECD	Australia	496 (2.4)	519 (1.9)	539 (2.2)	560 (4.4)	-20.9 (3.3)				
	Austria	421 (7.5)	503 (2.6)	559 (3.3)	582 (3.6)	-22.6 (3.3)				
	Belgium	425 (6.6)	501 (2.0)	559 (1.7)	582 (2.3)	-23.3 (2.2)				
	Canada	490 (5.2)	528 (1.8)	548 (1.7)	561 (2.2)	-13.3 (2.2)				
	Czech Republic	441 (6.9)	498 (2.9)	554 (3.3)	599 (4.5)	-44.5 (5.0)				
	Denmark	469 (5.2)	496 (2.5)	512 (3.3)	525 (4.7)	-13.2 (4.0)				
	Finland	544 (3.7)	558 (1.8)	567 (2.0)	573 (2.3)	-5.9 (1.4)				
	France	412 (4.4)	492 (2.6)	555 (2.9)	577 (4.9)	-22.1 (4.7)				
	Germany	418 (6.1)	505 (3.0)	563 (2.5)	593 (3.0)	-29.9 (3.1)				
	Greece	411 (5.3)	486 (2.3)	513 (3.1)	528 (4.0)	-15.6 (3.3)				
	Hungary	421 (3.7)	497 (2.3)	554 (3.0)	589 (4.7)	-34.9 (4.2)				
	Iceland	475 (1.0)	490 (0.6)	501 (1.2)	515 (3.3)	-13.8 (3.7)				
	Ireland	475 (5.3)	507 (2.6)	525 (2.9)	534 (3.6)	-9.5 (2.7)				
	Italy	411 (2.9)	482 (1.8)	533 (2.4)	558 (2.9)	-25.1 (3.1)				
	Japan	449 (5.0)	512 (3.3)	563 (2.7)	601 (3.2)	-38.3 (3.9)				
	Korea	458 (7.8)	514 (2.1)	548 (3.5)	569 (7.9)	-21.9 (5.4)				
	Luxembourg	445 (1.2)	486 (0.9)	522 (1.6)	538 (2.1)	-16.0 (2.9)				
	Mexico	378 (3.1)	438 (2.2)	497 (6.0)	c	c	c	c		
	Netherlands	427 (4.4)	501 (2.6)	577 (2.5)	606 (2.5)	-29.7 (2.7)				
	New Zealand	494 (5.3)	525 (2.3)	544 (2.3)	555 (2.9)	-11.5 (2.6)				
	Norway	466 (5.3)	487 (2.5)	501 (2.8)	511 (5.2)	-10.1 (4.7)				
	Poland	478 (3.2)	495 (2.1)	512 (2.5)	529 (4.1)	-17.1 (3.3)				
	Portugal	431 (5.1)	481 (2.4)	511 (2.9)	526 (7.2)	-14.8 (7.3)				
	Slovak Republic	430 (4.9)	487 (2.4)	535 (3.3)	566 (5.0)	-31.5 (4.5)				
	Spain	462 (2.6)	487 (2.3)	510 (3.0)	526 (5.3)	-15.8 (4.0)				
	Sweden	479 (5.2)	502 (1.9)	516 (2.2)	526 (3.2)	-9.8 (2.7)				
	Switzerland	452 (5.7)	500 (2.3)	544 (2.9)	585 (4.5)	-40.7 (3.7)				
	Turkey	390 (2.6)	440 (3.2)	538 (10.3)	c	c	c	c		
	United Kingdom	476 (5.8)	508 (1.9)	532 (2.1)	558 (3.2)	-26.0 (3.5)				
	United States	449 (8.2)	490 (3.0)	517 (3.7)	533 (6.1)	-16.5 (4.8)				
	OECD average	454 (1.0)	501 (0.4)	536 (0.5)	557 (0.8)	-21.2 (0.7)				
Partners	Argentina	355 (5.4)	433 (4.9)	477 (8.1)	c	c	c	c		
	Azerbaijan	368 (2.0)	418 (4.3)	c	c	c	c	c		
	Brazil	362 (1.9)	426 (3.2)	509 (7.8)	c	c	c	c		
	Bulgaria	379 (5.5)	459 (4.5)	520 (7.8)	559 (10.9)	-39.0 (9.2)				
	Chile	398 (3.2)	453 (3.9)	513 (5.6)	c	c	c	c		
	Colombia	371 (3.7)	411 (3.2)	c	c	c	c	c		
	Croatia	445 (4.0)	489 (2.3)	533 (2.6)	569 (4.5)	-35.2 (4.5)				
	Estonia	492 (5.2)	523 (2.3)	546 (2.5)	563 (3.7)	-17.2 (3.0)				
	Hong Kong-China	472 (7.6)	524 (2.1)	565 (2.3)	592 (4.0)	-27.0 (3.9)				
	Indonesia	368 (2.7)	431 (7.2)	c	c	c	c	c		
	Israel	416 (5.0)	463 (3.3)	498 (4.7)	516 (6.5)	-17.1 (5.8)				
	Jordan	402 (2.8)	434 (2.5)	469 (9.8)	c	c	c	c		
	Kyrgyzstan	311 (2.7)	386 (5.5)	c	c	c	c	c		
	Latvia	462 (4.3)	490 (2.6)	510 (3.3)	525 (4.1)	-15.2 (4.6)				
	Liechtenstein	434 (6.5)	499 (3.8)	572 (5.4)	606 (4.7)	-34.8 (7.6)				
	Lithuania	452 (2.9)	485 (2.2)	519 (4.4)	552 (10.7)	-33.2 (9.1)				
	Macao-China	480 (1.6)	508 (0.4)	526 (0.9)	539 (2.8)	-13.6 (3.3)				
	Montenegro	393 (0.6)	428 (0.8)	469 (4.9)	c	c	c	c		
	Qatar	333 (0.4)	401 (1.6)	c	c	c	c	c		
	Romania	382 (4.1)	446 (3.5)	497 (7.4)	c	c	c	c		
	Russian Federation	445 (4.6)	481 (3.2)	510 (3.9)	527 (4.9)	-17.1 (4.9)				
	Serbia	400 (3.3)	452 (2.6)	496 (4.4)	c	c	c	c		
	Slovenia	418 (2.4)	501 (1.5)	568 (1.9)	611 (2.0)	-43.5 (3.1)				
	Chinese Taipei	459 (5.4)	509 (3.3)	564 (2.6)	603 (3.8)	-39.3 (4.2)				
	Thailand	398 (2.2)	436 (2.2)	489 (5.2)	c	c	c	c		
	Tunisia	363 (2.2)	420 (4.1)	c	c	c	c	c		
	Uruguay	386 (3.7)	453 (1.9)	491 (4.0)	c	c	c	c		

Note: Values that are statistically significant are indicated in bold (see Annex B).

[Part 1/1]

Table A2.7 Average socio-economic background of school, by performance group

	School average PISA index of economic, social and cultural status (ESCS)									
	Lowest performers		Moderate performers		Strong performers		Top performers		Difference in the mean index between schools with strong performers and schools with top performers	
	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Dif.	S.E.
OECD										
Australia	0.01	(0.02)	0.15	(0.01)	0.29	(0.02)	0.42	(0.02)	-0.14	(0.02)
Austria	-0.27	(0.06)	0.15	(0.02)	0.44	(0.03)	0.58	(0.04)	-0.14	(0.03)
Belgium	-0.30	(0.03)	0.10	(0.02)	0.45	(0.03)	0.59	(0.04)	-0.14	(0.03)
Canada	0.16	(0.03)	0.32	(0.02)	0.44	(0.02)	0.52	(0.02)	-0.08	(0.02)
Czech Republic	-0.28	(0.04)	-0.05	(0.02)	0.20	(0.02)	0.45	(0.04)	-0.25	(0.04)
Denmark	0.15	(0.03)	0.30	(0.03)	0.41	(0.03)	0.52	(0.05)	-0.10	(0.03)
Finland	0.20	(0.03)	0.22	(0.02)	0.27	(0.02)	0.31	(0.03)	-0.03	(0.02)
France	-0.54	(0.04)	-0.12	(0.03)	0.23	(0.03)	0.35	(0.05)	-0.12	(0.03)
Germany	-0.25	(0.05)	0.21	(0.03)	0.56	(0.02)	0.74	(0.03)	-0.18	(0.03)
Greece	-0.54	(0.04)	-0.09	(0.03)	0.15	(0.06)	0.33	(0.07)	-0.18	(0.05)
Hungary	-0.72	(0.04)	-0.15	(0.03)	0.31	(0.04)	0.60	(0.05)	-0.28	(0.04)
Iceland	0.73	(0.01)	0.76	(0.01)	0.81	(0.02)	0.85	(0.04)	-0.04	(0.05)
Ireland	-0.26	(0.04)	-0.04	(0.03)	0.12	(0.04)	0.18	(0.05)	-0.07	(0.03)
Italy	-0.41	(0.02)	-0.04	(0.02)	0.24	(0.03)	0.40	(0.04)	-0.16	(0.03)
Japan	-0.32	(0.02)	-0.09	(0.02)	0.10	(0.02)	0.24	(0.02)	-0.14	(0.02)
Korea	-0.32	(0.04)	-0.08	(0.02)	0.14	(0.03)	0.32	(0.07)	-0.17	(0.05)
Luxembourg	-0.31	(0.01)	0.08	(0.01)	0.42	(0.02)	0.58	(0.02)	-0.16	(0.03)
Mexico	-1.38	(0.05)	-0.64	(0.04)	0.05	(0.07)	c	c	c	c
Netherlands	-0.25	(0.06)	0.13	(0.02)	0.51	(0.03)	0.67	(0.03)	-0.16	(0.03)
New Zealand	-0.11	(0.03)	0.05	(0.02)	0.19	(0.02)	0.28	(0.03)	-0.09	(0.03)
Norway	0.34	(0.03)	0.41	(0.02)	0.49	(0.02)	0.55	(0.04)	-0.06	(0.03)
Poland	-0.44	(0.03)	-0.33	(0.02)	-0.20	(0.03)	-0.05	(0.05)	-0.15	(0.04)
Portugal	-1.02	(0.05)	-0.58	(0.04)	-0.20	(0.06)	0.02	(0.12)	-0.23	(0.12)
Slovak Republic	-0.52	(0.05)	-0.17	(0.03)	0.16	(0.03)	0.46	(0.05)	-0.31	(0.04)
Spain	-0.55	(0.04)	-0.34	(0.03)	-0.07	(0.05)	0.12	(0.08)	-0.19	(0.06)
Sweden	0.11	(0.04)	0.23	(0.02)	0.30	(0.02)	0.37	(0.03)	-0.07	(0.03)
Switzerland	-0.16	(0.02)	0.01	(0.02)	0.25	(0.02)	0.46	(0.03)	-0.21	(0.03)
Turkey	-1.54	(0.04)	-1.18	(0.04)	-0.29	(0.14)	c	c	c	c
United Kingdom	-0.02	(0.02)	0.13	(0.02)	0.29	(0.02)	0.45	(0.02)	-0.16	(0.02)
United States	-0.12	(0.05)	0.12	(0.03)	0.33	(0.05)	0.48	(0.06)	-0.14	(0.04)
OECD average	-0.21	(0.01)	0.05	(0.00)	0.27	(0.01)	0.42	(0.01)	-0.15	(0.01)
Partners										
Argentina	-0.96	(0.05)	-0.27	(0.07)	0.20	(0.11)	c	c	c	c
Azerbaijan	-0.53	(0.03)	-0.24	(0.07)	c	c	c	c	c	c
Brazil	-1.40	(0.03)	-0.78	(0.04)	0.18	(0.12)	c	c	c	c
Bulgaria	-0.63	(0.05)	-0.02	(0.04)	0.43	(0.07)	0.65	(0.09)	-0.23	(0.07)
Chile	-1.16	(0.05)	-0.53	(0.06)	0.23	(0.08)	c	c	c	c
Colombia	-1.20	(0.06)	-0.74	(0.05)	c	c	c	c	c	c
Estonia	-0.05	(0.04)	0.09	(0.02)	0.22	(0.03)	0.34	(0.04)	-0.13	(0.03)
Hong Kong-China	-0.95	(0.05)	-0.79	(0.03)	-0.56	(0.04)	-0.40	(0.06)	-0.17	(0.03)
Croatia	-0.37	(0.03)	-0.15	(0.02)	0.14	(0.03)	0.41	(0.04)	-0.27	(0.04)
Indonesia	-1.74	(0.04)	-1.19	(0.07)	c	c	c	c	c	c
Israel	0.05	(0.03)	0.24	(0.02)	0.43	(0.03)	0.51	(0.04)	-0.08	(0.03)
Jordan	-0.75	(0.04)	-0.47	(0.03)	-0.13	(0.10)	c	c	c	c
Kyrgyzstan	-0.73	(0.02)	-0.21	(0.06)	c	c	c	c	c	c
Liechtenstein	-0.31	(0.04)	0.08	(0.02)	0.44	(0.03)	0.63	(0.03)	-0.19	(0.04)
Lithuania	-0.22	(0.03)	0.01	(0.03)	0.28	(0.04)	0.54	(0.09)	-0.26	(0.07)
Latvia	-0.22	(0.04)	-0.02	(0.02)	0.12	(0.03)	0.26	(0.05)	-0.14	(0.04)
Macao-China	-1.02	(0.02)	-0.94	(0.01)	-0.83	(0.01)	-0.69	(0.04)	-0.14	(0.04)
Montenegro	-0.15	(0.01)	0.08	(0.01)	0.41	(0.04)	c	c	c	c
Qatar	0.15	(0.00)	0.42	(0.01)	c	c	c	c	c	c
Romania	-0.63	(0.05)	-0.19	(0.04)	0.32	(0.09)	c	c	c	c
Russian Federation	-0.25	(0.03)	-0.10	(0.03)	0.04	(0.04)	0.17	(0.07)	-0.13	(0.05)
Serbia	-0.38	(0.03)	-0.03	(0.03)	0.35	(0.06)	c	c	c	c
Slovenia	-0.37	(0.02)	0.02	(0.02)	0.39	(0.02)	0.63	(0.01)	-0.24	(0.02)
Chinese Taipei	-0.65	(0.04)	-0.42	(0.03)	-0.17	(0.02)	0.02	(0.03)	-0.20	(0.03)
Thailand	-1.74	(0.03)	-1.25	(0.04)	-0.36	(0.11)	c	c	c	c
Tunisia	-1.45	(0.06)	-0.85	(0.10)	c	c	c	c	c	c
Uruguay	-0.88	(0.04)	-0.32	(0.03)	0.18	(0.06)	c	c	c	c

Note: Values that are statistically significant are indicated in bold (see Annex B).



[Part 1/3]

Table A2.8a Percentage of students by performance group, by school type

	Government or public schools (Schools which are directly controlled or managed by: <i>i</i>) a public education authority or agency, or <i>ii</i>) a government agency directly or a governing body, most of whose members are either appointed by a public authority or elected by public franchise)		Government-dependent private schools (schools which receive 50% or more of their core funding - funding that supports the basic educational services of the institution - from government agencies)		Government-independent private school (schools which receive less than 50% of their core funding - funding that supports the basic educational services of the institution - from government agencies)	
	% of students	S.E.	% of students	S.E.	% of students	S.E.
OECD						
Australia	w	w	w	w	w	w
Austria	90.7	(2.2)	8.4	(2.2)	0.9	(0.6)
Belgium	w	w	w	w	w	w
Canada	93.0	(0.7)	4.3	(0.3)	2.7	(0.7)
Czech Republic	96.2	(1.8)	3.5	(1.8)	0.2	(0.2)
Denmark	76.1	(3.1)	22.8	(3.0)	1.1	(0.8)
Finland	97.6	(1.1)	2.4	(1.1)	0.0	(0.0)
France	w	w	w	w	w	w
Germany	94.3	(1.8)	5.5	(1.8)	0.2	(0.2)
Greece	94.9	(1.2)	0.0	(0.0)	5.1	(1.2)
Hungary	84.2	(3.4)	13.1	(3.1)	2.7	(1.6)
Iceland	98.9	(0.1)	1.0	(0.1)	0.1	(0.1)
Ireland	41.8	(1.4)	54.8	(2.0)	3.4	(1.5)
Italy	96.4	(0.7)	1.2	(0.4)	2.4	(0.6)
Japan	70.1	(1.4)	1.0	(1.0)	28.9	(1.6)
Korea	53.7	(3.9)	31.5	(3.7)	14.8	(2.5)
Luxembourg	85.6	(0.0)	14.4	(0.0)	0.0	(0.0)
Mexico	89.7	(1.5)	0.0	(0.0)	10.3	(1.5)
Netherlands	33.0	(4.3)	67.0	(4.3)	0.0	(0.0)
New Zealand	95.5	(0.6)	0.0	(0.0)	4.5	(0.6)
Norway	98.1	(0.9)	1.9	(0.9)	0.0	(0.0)
Poland	98.4	(0.1)	1.0	(0.2)	0.6	(0.2)
Portugal	91.1	(1.3)	6.9	(1.3)	2.1	(0.3)
Slovak Republic	92.3	(1.9)	7.2	(1.8)	0.5	(0.5)
Spain	65.3	(1.0)	24.6	(1.4)	10.1	(1.5)
Sweden	91.7	(0.8)	8.3	(0.8)	0.0	(0.0)
Switzerland	95.5	(0.6)	0.9	(0.4)	3.6	(0.4)
Turkey	99.5	(0.5)	0.0	(0.0)	0.5	(0.5)
United Kingdom	93.8	(1.0)	0.2	(0.1)	6.0	(1.0)
United States	92.6	(1.2)	0.8	(0.8)	6.6	(0.9)
OECD average	85.6	(0.3)	10.5	(0.3)	4.1	(0.2)
Partners						
Argentina	67.5	(3.7)	24.8	(3.1)	7.7	(2.6)
Azerbaijan	99.1	(0.4)	0.0	(0.0)	0.9	(0.4)
Brazil	92.4	(1.4)	0.0	(0.0)	7.6	(1.4)
Bulgaria	m	m	m	m	m	m
Chile	46.9	(2.9)	44.9	(3.3)	8.2	(2.0)
Colombia	82.7	(2.8)	5.1	(2.5)	12.3	(2.2)
Croatia	98.6	(1.0)	0.6	(0.4)	0.7	(0.5)
Estonia	98.1	(0.9)	1.4	(0.8)	0.6	(0.4)
Hong Kong-China	7.5	(0.2)	90.7	(1.4)	1.9	(1.4)
Indonesia	60.7	(3.6)	13.5	(3.0)	25.8	(2.9)
Israel	73.4	(4.0)	20.3	(3.6)	6.3	(1.9)
Jordan	80.6	(1.7)	1.3	(0.9)	18.1	(1.5)
Kyrgyzstan	99.4	(0.4)	0.0	(0.0)	0.6	(0.4)
Latvia	100.0	(0.0)	0.0	(0.0)	0.0	(0.0)
Liechtenstein	c	c	c	c	c	c
Lithuania	99.3	(0.7)	0.7	(0.7)	0.0	(0.0)
Macao-China	3.8	(0.0)	68.5	(0.1)	27.6	(0.1)
Montenegro	99.8	(0.0)	0.0	(0.0)	0.2	c
Qatar	91.1	(0.1)	0.1	(0.0)	8.8	(0.1)
Romania	100.0	(0.0)	0.0	(0.0)	0.0	a
Russian Federation	100.0	(0.0)	0.0	(0.0)	0.0	a
Serbia	99.4	(0.7)	0.6	(0.7)	0.0	a
Slovenia	97.7	(0.0)	2.3	(0.0)	0.1	c
Chinese Taipei	65.0	(2.4)	0.0	(0.0)	35.0	(2.4)
Thailand	83.5	(0.7)	6.1	(1.7)	10.5	(1.7)
Tunisia	98.2	(1.0)	1.8	(1.0)	0.0	a
Uruguay	84.9	(0.8)	0.0	(0.0)	15.1	(0.8)

Note: Values that are statistically significant are indicated in bold (see Annex B).

[Part 2/3]

Table A2.8a Percentage of students by performance group, by school type

	Public schools								Private schools (government-dependent and government-independent)							
	Lowest performers		Moderate performers		Strong performers		Top performers		Lowest performers		Moderate performers		Strong performers		Top performers	
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.
	w	w	w	w	w	w	w	w	w	w	w	w	w	w	w	w
OECD																
Australia	16.0	(1.3)	50.7	(1.4)	23.6	(1.1)	9.7	(0.8)	19.8	(8.2)	43.9	(6.7)	23.9	(4.0)	12.4	(2.3)
Austria																
Belgium																
Canada	10.4	(0.6)	48.8	(0.8)	27.3	(0.7)	13.6	(0.6)	2.8	(0.6)	37.7	(2.7)	34.5	(2.2)	25.0	(2.3)
Czech Republic	15.8	(1.3)	50.1	(1.4)	22.2	(0.9)	11.9	(1.0)	13.2	(6.9)	63.6	(5.0)	17.4	(4.4)	5.9	(3.1)
Denmark	19.2	(1.2)	56.5	(1.3)	18.7	(1.2)	5.6	(0.6)	15.8	(2.7)	51.4	(2.2)	22.9	(2.3)	9.9	(1.9)
Finland	3.9	(0.4)	43.0	(1.1)	32.4	(0.9)	20.7	(0.8)	c	c	c	c	c	c	c	c
France																
Germany	15.6	(1.4)	49.7	(1.2)	23.4	(0.9)	11.3	(0.7)	10.1	(5.1)	35.9	(5.9)	31.2	(5.9)	22.8	(6.7)
Greece	25.3	(1.3)	58.6	(1.2)	13.2	(0.9)	2.9	(0.3)	3.3	(1.5)	55.3	(3.9)	29.5	(4.2)	11.9	(2.6)
Hungary	15.7	(1.2)	58.4	(1.5)	20.0	(1.2)	5.9	(0.9)	7.7	(2.7)	51.6	(5.5)	28.0	(4.3)	12.8	(3.5)
Iceland	20.6	(0.8)	54.2	(0.9)	18.9	(0.7)	6.2	(0.5)	c	c	c	c	c	c	c	c
Ireland	21.7	(2.1)	54.8	(1.7)	17.0	(1.1)	6.5	(0.9)	11.6	(1.1)	53.2	(1.3)	24.2	(1.1)	11.1	(1.0)
Italy	24.8	(0.9)	55.4	(0.9)	15.2	(0.6)	4.7	(0.4)	33.3	(6.4)	47.9	(3.6)	15.1	(4.7)	3.7	(1.2)
Japan	11.0	(1.2)	44.7	(1.4)	28.0	(1.4)	16.3	(0.9)	14.3	(1.9)	48.7	(2.0)	24.7	(1.8)	12.3	(1.5)
Korea	11.3	(1.6)	51.5	(2.2)	26.2	(1.5)	11.0	(1.6)	11.2	(1.9)	54.6	(1.9)	24.7	(1.5)	9.6	(1.4)
Luxembourg	21.5	(0.6)	52.7	(1.1)	19.3	(0.7)	6.5	(0.4)	25.6	(2.1)	61.3	(2.3)	10.7	(1.5)	2.4	(0.8)
Mexico	54.7	(1.4)	42.6	(1.3)	2.5	(0.3)	0.1	(0.1)	30.3	(4.1)	61.4	(3.1)	7.3	(1.5)	1.0	(0.4)
Netherlands	14.1	(3.2)	46.3	(3.7)	25.9	(2.9)	13.6	(2.3)	12.4	(1.1)	48.9	(1.8)	25.8	(1.5)	12.9	(1.1)
New Zealand	14.3	(0.8)	45.7	(0.9)	23.4	(0.9)	16.6	(0.8)	3.4	(1.2)	29.4	(3.0)	32.9	(4.0)	34.3	(3.7)
Norway	21.5	(1.3)	56.1	(1.1)	16.6	(0.8)	5.7	(0.5)	c	c	c	c	c	c	c	c
Poland	17.1	(0.8)	57.2	(0.9)	19.1	(0.8)	6.5	(0.5)	c	c	c	c	c	c	c	c
Portugal	25.7	(1.5)	57.1	(1.4)	14.3	(1.0)	2.9	(0.3)	13.2	(3.0)	62.2	(3.5)	19.1	(2.1)	5.5	(2.1)
Slovak Republic	20.6	(1.0)	56.0	(1.3)	17.9	(1.1)	5.5	(0.6)	17.1	(4.3)	55.7	(3.2)	18.1	(3.1)	9.1	(2.4)
Spain	23.6	(1.1)	58.3	(0.8)	14.6	(0.8)	3.6	(0.4)	12.5	(1.2)	56.4	(1.6)	23.9	(1.4)	7.3	(0.8)
Sweden	16.9	(0.8)	55.3	(1.0)	20.4	(0.9)	7.4	(0.5)	11.0	(2.5)	47.8	(2.9)	28.4	(3.9)	12.8	(2.3)
Switzerland	16.1	(0.9)	50.0	(1.2)	23.3	(1.1)	10.5	(0.8)	17.6	(4.8)	45.1	(3.7)	25.8	(4.1)	11.6	(2.9)
Turkey	46.7	(1.7)	46.1	(1.5)	6.2	(1.2)	0.9	(0.3)	c	c	c	c	c	c	c	c
United Kingdom	17.4	(0.9)	49.0	(0.9)	21.1	(0.7)	12.5	(0.6)	2.0	(0.9)	30.5	(3.8)	31.2	(2.3)	36.3	(3.6)
United States	25.3	(1.7)	48.9	(1.3)	17.5	(1.0)	8.3	(0.7)	8.9	(3.1)	43.5	(4.4)	28.3	(4.0)	19.3	(4.0)
OECD average	20.3	(0.3)	51.8	(0.3)	19.6	(0.2)	8.4	(0.2)	13.5	(0.8)	49.3	(0.8)	24.0	(0.7)	13.2	(0.6)
Partners																
Argentina	68.0	(2.1)	29.8	(1.9)	2.0	(0.5)	0.2	(0.1)	33.5	(3.9)	57.5	(3.3)	8.0	(1.4)	1.0	(0.3)
Azerbaijan	73.0	(1.8)	26.6	(1.8)	0.4	(0.1)	0	a	c	c	c	c	c	c	c	c
Brazil	67.6	(1.4)	31.1	(1.3)	1.3	(0.3)	0.1	(0.0)	18.9	(3.9)	60.3	(3.3)	17.1	(2.2)	3.7	(1.5)
Bulgaria	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
Chile	52.8	(3.0)	41.5	(2.3)	4.4	(1.1)	1.2	(0.6)	29.3	(2.2)	56.6	(1.7)	11.6	(1.4)	2.5	(0.5)
Colombia	64.6	(2.0)	34.1	(1.9)	1.2	(0.4)	0.1	(0.0)	39.4	(4.0)	54.9	(4.2)	5.1	(1.4)	0.6	(0.2)
Croatia	16.8	(0.9)	60.3	(1.0)	17.7	(0.9)	5.1	(0.5)	c	c	c	c	c	c	c	c
Estonia	7.7	(0.6)	55.0	(1.0)	26.0	(1.0)	11.3	(0.7)	c	c	c	c	c	c	c	c
Hong Kong-China	6.4	(1.6)	35.0	(4.6)	31.9	(3.7)	26.8	(5.9)	8.9	(0.9)	46.5	(1.2)	29.5	(0.9)	15.0	(0.9)
Indonesia	55.8	(4.2)	42.4	(3.5)	1.8	(0.8)	0.0	(0.0)	70.4	(3.6)	28.8	(3.4)	0.7	(0.4)	0.1	(0.1)
Israel	37.9	(1.9)	44.4	(1.3)	12.9	(0.9)	4.8	(0.7)	31.7	(3.0)	45.7	(2.0)	16.3	(1.9)	6.3	(1.2)
Jordan	49.6	(1.3)	46.2	(1.2)	3.9	(0.6)	0.3	(0.2)	23.5	(2.0)	62.3	(1.8)	12.4	(2.0)	1.8	(0.8)
Kyrgyzstan	87.2	(1.0)	12.2	(0.9)	0.7	(0.2)	0.0	(0.0)	c	c	c	c	c	c	c	c
Latvia	17.4	(1.2)	61.9	(1.2)	16.6	(1.0)	4.1	(0.4)	c	c	c	c	c	c	c	c
Liechtenstein	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
Lithuania	20.5	(1.0)	57.6	(1.1)	17.3	(0.9)	4.6	(0.6)	c	c	c	c	c	c	c	c
Macao-China	26.8	(2.8)	60.2	(3.6)	11.2	(2.7)	1.8	(1.0)	9.6	(0.5)	61.7	(0.8)	23.2	(0.7)	5.4	(0.4)
Montenegro	49.9	(1.0)	46.1	(1.1)	3.7	(0.4)	0.3	(0.1)	c	c	c	c	c	c	c	c
Qatar	84.2	(0.5)	15.5	(0.5)	0.3	(0.1)	0	a	48.2	(1.7)	40.3	(2.1)	9.3	(1.0)	2.2	(0.6)
Romania	46.9	(2.4)	48.4	(2.3)	4.2	(0.8)	0.5	(0.1)	c	c	c	c	c	c	c	c
Russian Federation	22.2	(1.4)	58.5	(1.1)	15.1	(1.1)	4.2	(0.5)	c	c	c	c	c	c	c	c
Serbia	38.5	(1.6)	54.1	(1.4)	6.6	(0.6)	0.8	(0.2)	c	c	c	c	c	c	c	c
Slovenia	14.1	(0.6)	51.3	(1.1)	22.5	(1.1)	12.2	(0.6)	c	c	c	c	c	c	c	c
Chinese Taipei	8.1	(0.8)	42.3	(1.4)	31.3	(1.1)	18.3	(1.2)	18.2	(2.3)	52.4	(2.1)	21.5	(2.2)	7.8	(1.2)
Thailand	45.7	(1.2)	49.8	(1.1)	4.1	(0.5)	0.4	(0.1)	48.1	(3.7)	48.1	(3.4)	3.7	(1.3)	0.2	(0.2)
Tunisia	61.9	(1.4)	35.9	(1.2)	2.0	(0.5)	0.1	(0.1)	c	c	c	c	c	c	c	c
Uruguay	47.2	(1.5)	47.1	(1.3)	4.9	(0.6)	0.7	(0.2)	15.0	(2.0)	61.9	(2.8)	17.8	(1.9)	5.3	(1.1)

Note: Values that are statistically significant are indicated in bold (see Annex B).



[Part 3/3]

Table A2.8a Percentage of students by performance group, by school type

	Difference in the percentages of top performers between private schools and public schools		If students' ESCS were equal to the national average ESCS				If students' ESCS were equal to the national average ESCS and also adjusted for school ESCS			
			Difference in the percentages of top performers between students in private schools and students in public schools		Increase in the logit of being a top performer associated with being in a private school, after adjusting students' socio-economic background		Difference in the percentages of top performers between students in private schools and students in public schools		Increase in the logit of being a top performer associated with being in a private school, after adjusting students' socio-economic background	
	%	S.E.	Dif.	Logistic regression coefficient	S.E.	Dif.	Logistic regression coefficient	S.E.		
OECD										
Australia	w	w	w	w	w	w	w	w	w	
Austria	2.7	(2.4)	1.1	0.13	(0.21)	-1.7	-0.28	(0.28)		
Belgium	w	w	w	w	w	w	w	w	w	
Canada	11.4	(2.4)	6.2	0.46	(0.13)	2.3	0.19	(0.13)		
Czech Republic	-6.0	(3.3)	-5.8	-1.00	(0.55)	-4.6	-1.05	(0.48)		
Denmark	4.3	(1.9)	2.2	0.41	(0.23)	1.4	0.26	(0.25)		
Finland	c	c	c	c	c	c	c	c	c	
France	w	w	w	w	w	w	w	w	w	
Germany	11.5	(7.0)	6.8	0.61	(0.41)	0.7	0.09	(0.42)		
Greece	8.9	(2.6)	1.6	0.54	(0.33)	-0.9	-0.50	(0.50)		
Hungary	6.9	(4.0)	2.3	0.43	(0.41)	-0.5	-0.17	(0.45)		
Iceland	c	c	c	c	c	c	c	c	c	
Ireland	4.6	(1.3)	2.2	0.30	(0.17)	1.1	0.16	(0.18)		
Italy	-1.0	(1.2)	-1.4	-0.50	(0.29)	-2.1	-1.28	(0.28)		
Japan	-4.0	(1.9)	-6.2	-0.55	(0.17)	-10.3	-1.27	(0.21)		
Korea	-1.4	(2.1)	-1.0	-0.12	(0.20)	-0.7	-0.09	(0.17)		
Luxembourg	-4.0	(0.9)	-2.9	-0.94	(0.40)	-2.0	-0.79	(0.40)		
Mexico	0.9	(0.4)	0.1	0.90	(0.64)	0.0	-0.94	(0.64)		
Netherlands	-0.7	(2.9)	-0.1	-0.01	(0.20)	1.8	0.25	(0.19)		
New Zealand	17.7	(3.9)	6.7	0.45	(0.17)	0.8	0.06	(0.20)		
Norway	c	c	c	c	c	c	c	c	c	
Poland	c	c	c	c	c	c	c	c	c	
Portugal	2.6	(2.1)	0.5	0.26	(0.43)	-0.1	-0.06	(0.41)		
Slovak Republic	3.6	(2.6)	1.0	0.23	(0.31)	-0.9	-0.35	(0.40)		
Spain	3.7	(0.9)	0.9	0.23	(0.14)	-0.7	-0.21	(0.16)		
Sweden	5.4	(2.3)	2.8	0.39	(0.22)	1.5	0.23	(0.25)		
Switzerland	1.0	(2.9)	-2.4	-0.34	(0.32)	-5.5	-1.39	(0.47)		
Turkey	c	c	c	c	c	c	c	c	c	
United Kingdom	23.8	(3.7)	12.1	0.87	(0.16)	1.7	0.16	(0.20)		
United States	11.0	(4.0)	3.0	0.40	(0.25)	-0.4	-0.06	(0.29)		
OECD average	4.7	(0.6)	1.3	0.14	(0.07)	-0.9	-0.32	(0.07)		
Partners										
Argentina	0.8	(0.4)	0.2	0.97	(0.87)	-0.1	-0.46	(1.32)		
Azerbaijan	c	c	c	c	c	c	c	c	c	
Brazil	3.6	(1.5)	0.3	2.53	(0.90)	0.0	-1.35	(0.80)		
Bulgaria	m	m	m	m	m	m	m	m	m	
Chile	1.3	(0.8)	-0.3	-0.36	(0.50)	-1.0	-1.52	(0.73)		
Colombia	0.5	(0.2)	0.1	1.17	(0.78)	0.0	0.17	(1.68)		
Croatia	c	c	c	c	c	c	c	c	c	
Estonia	c	c	c	c	c	c	c	c	c	
Hong Kong-China	-11.8	(6.0)	-9.5	-0.62	(0.26)	-6.3	-0.45	(0.19)		
Indonesia	c	c	c	c	c	c	c	c	c	
Israel	1.5	(1.4)	1.2	0.29	(0.23)	1.1	0.27	(0.23)		
Jordan	1.5	(0.8)	0.5	1.17	(0.82)	0.2	0.65	(1.43)		
Kyrgyzstan	c	c	c	c	c	c	c	c	c	
Latvia	c	c	c	c	c	c	c	c	c	
Liechtenstein	c	c	c	c	c	c	c	c	c	
Lithuania	c	c	c	c	c	c	c	c	c	
Macao-China	3.7	(1.1)	3.0	0.93	(0.60)	1.8	0.47	(0.59)		
Montenegro	c	c	c	c	c	c	c	c	c	
Qatar	2.2	(0.6)	1.7	18.72	(0.11)	0.3	17.52	(0.69)		
Romania	c	c	c	c	c	c	c	c	c	
Russian Federation	c	c	c	c	c	c	c	c	c	
Serbia	c	c	c	c	c	c	c	c	c	
Slovenia	c	c	c	c	c	c	c	c	c	
Chinese Taipei	-10.5	(1.8)	-9.7	-1.02	(0.16)	-9.3	-1.37	(0.15)		
Thailand	-0.3	(0.3)	-0.1	-4.00	(7.57)	-0.1	-4.26	(7.32)		
Tunisia	c	c	c	c	c	c	c	c	c	
Uruguay	4.5	(1.1)	0.5	0.67	(0.49)	-0.3	-0.95	(0.57)		

Note: Values that are statistically significant are indicated in bold (see Annex B).

[Part1/1]

Table A2.8b Students' socio-economic background in public and private schools

	PISA index of economic, social and cultural status (ESCS)					
	Public schools		Private schools		Difference in the mean index between public schools and private schools	
	Mean index	S.E.	Mean index	S.E.	Dif.	S.E.
OECD						
Australia	w	w	w	w	w	w
Austria	0.18	(0.02)	0.32	(0.16)	-0.14	(0.16)
Belgium	w	w	w	w	w	w
Canada	0.34	(0.02)	0.85	(0.06)	-0.52	(0.06)
Czech Republic	0.02	(0.02)	0.15	(0.12)	-0.13	(0.12)
Denmark	0.23	(0.03)	0.48	(0.06)	-0.25	(0.07)
Finland	0.25	(0.02)	c	c	c	c
France	w	w	w	w	w	w
Germany	0.26	(0.03)	0.64	(0.09)	-0.38	(0.10)
Greece	-0.22	(0.03)	1.10	(0.11)	-1.33	(0.12)
Hungary	-0.16	(0.04)	0.35	(0.13)	-0.51	(0.14)
Iceland	0.77	(0.01)	c	c	c	c
Ireland	-0.24	(0.04)	0.12	(0.04)	-0.36	(0.05)
Italy	-0.08	(0.02)	0.19	(0.16)	-0.27	(0.16)
Japan	-0.09	(0.02)	0.16	(0.04)	-0.25	(0.04)
Korea	0.02	(0.04)	-0.04	(0.04)	0.06	(0.07)
Luxembourg	0.11	(0.01)	-0.03	(0.04)	0.13	(0.04)
Mexico	-1.20	(0.04)	0.22	(0.14)	-1.42	(0.16)
Netherlands	0.28	(0.08)	0.24	(0.03)	0.04	(0.09)
New Zealand	0.07	(0.02)	0.71	(0.09)	-0.64	(0.09)
Norway	0.41	(0.02)	c	c	c	c
Poland	-0.32	(0.02)	c	c	c	c
Portugal	-0.67	(0.05)	-0.18	(0.07)	-0.49	(0.08)
Slovak Republic	-0.18	(0.03)	0.19	(0.10)	-0.36	(0.10)
Spain	-0.57	(0.04)	0.16	(0.05)	-0.73	(0.06)
Sweden	0.21	(0.02)	0.51	(0.06)	-0.30	(0.06)
Switzerland	0.06	(0.02)	0.58	(0.09)	-0.52	(0.09)
Turkey	-1.30	(0.04)	c	c	c	c
United Kingdom	0.15	(0.02)	0.85	(0.09)	-0.70	(0.09)
United States	0.08	(0.04)	0.78	(0.11)	-0.70	(0.12)
OECD average	-0.06	(0.01)	0.38	(0.02)	-0.44	(0.02)
Partners						
Argentina	-0.98	(0.05)	0.02	(0.10)	-1.01	(0.11)
Azerbaijan	-0.46	(0.03)	c	c	c	c
Brazil	-1.35	(0.03)	0.36	(0.06)	-1.71	(0.07)
Bulgaria	m	m	m	m	m	m
Chile	-1.17	(0.08)	-0.33	(0.08)	-0.83	(0.11)
Chinese Taipei	-0.31	(0.03)	-0.32	(0.06)	0.01	(0.07)
Colombia	-1.21	(0.07)	-0.05	(0.15)	-1.15	(0.17)
Croatia	-0.12	(0.01)	c	c	c	c
Estonia	0.13	(0.02)	c	c	c	c
Hong Kong-China	-0.46	(0.17)	-0.69	(0.03)	0.23	(0.18)
Indonesia	-1.41	(0.06)	-1.68	(0.07)	0.27	(0.09)
Israel	0.19	(0.03)	0.27	(0.06)	-0.08	(0.08)
Jordan	-0.71	(0.04)	-0.03	(0.06)	-0.68	(0.07)
Kyrgyzstan	-0.68	(0.02)	c	c	c	c
Latvia	-0.02	(0.02)	c	c	c	c
Liechtenstein	0.17	(0.05)	c	c	c	c
Lithuania	0.03	(0.02)	c	c	c	c
Macao-China	-1.50	(0.05)	-0.89	(0.01)	-0.62	(0.04)
Montenegro	0.00	(0.01)	c	c	c	c
Qatar	0.11	(0.01)	0.65	(0.02)	-0.54	(0.02)
Romania	-0.37	(0.04)	c	c	c	c
Russian Federation	-0.10	(0.03)	c	c	c	c
Serbia	-0.13	(0.03)	c	c	c	c
Slovenia	0.12	(0.01)	c	c	c	c
Thailand	-1.49	(0.03)	-1.15	(0.11)	-0.33	(0.12)
Tunisia	-1.20	(0.07)	c	c	c	c
Uruguay	-0.74	(0.03)	0.77	(0.05)	-1.50	(0.06)

Note: Values that are statistically significant are indicated in bold (see Annex B).



[Part 1/2]

Percentage of students by performance group, by schools' use of selecting students

Table A2.9 by their academic record

	Percentage of students in schools where:						Students in schools where student's academic record is "prerequisite" for admittance to school							
	Student's academic record is "prerequisite" for admittance to school		Student's academic record is "high priority" or "considered" for admittance to school		Student's academic record is "not considered" for admittance to school		Lowest performers		Moderate performers		Strong performers		Top performers	
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.
OECD	2.3	(1.0)	49.1	(3.0)	47.2	(3.1)	c	c	c	c	c	c	c	c
Australia	48.2	(3.4)	25.3	(3.7)	24.7	(1.6)	6.4	(1.3)	46.7	(2.3)	31.7	(1.9)	15.3	(1.5)
Austria	12.0	(1.8)	46.4	(3.0)	39.0	(3.0)	20.2	(3.7)	45.2	(4.0)	24.1	(3.7)	10.5	(2.3)
Belgium	5.0	(0.9)	35.1	(2.4)	54.9	(2.1)	1.8	(0.8)	33.1	(3.7)	37.4	(2.4)	27.7	(3.7)
Czech Republic	35.5	(2.2)	27.1	(2.9)	34.3	(2.4)	7.7	(2.3)	42.3	(2.8)	29.9	(2.1)	20.1	(2.5)
Denmark	0.7	(0.6)	16.4	(2.6)	63.9	(3.2)	c	c	c	c	c	c	c	c
Finland	2.9	(1.6)	9.9	(2.5)	85.9	(2.9)	c	c	c	c	c	c	c	c
France	w	w	w	w	w	w	w	w	w	w	w	w	w	w
Germany	20.3	(2.8)	42.4	(3.4)	30.3	(3.4)	8.9	(2.7)	39.8	(3.5)	32.1	(2.4)	19.3	(2.7)
Greece	1.1	(0.8)	13.6	(2.9)	81.8	(3.1)	c	c	c	c	c	c	c	c
Hungary	31.1	(3.7)	57.6	(4.2)	7.3	(1.5)	4.7	(1.5)	52.7	(3.1)	30.9	(2.6)	11.7	(1.9)
Iceland	a	a	11.5	(0.1)	82.2	(0.2)	c	c	c	c	c	c	c	c
Ireland	0.7	(0.6)	15.4	(2.9)	80.8	(3.3)	c	c	c	c	c	c	c	c
Italy	4.0	(1.3)	29.6	(2.6)	61.3	(2.8)	34.1	(7.9)	54.6	(6.5)	9.2	(1.9)	2.1	(1.1)
Japan	68.9	(3.3)	29.1	(3.2)	1.2	(0.7)	10.2	(1.3)	45.1	(1.6)	28.7	(1.5)	16.0	(1.2)
Korea	44.2	(4.1)	25.0	(3.7)	28.5	(3.4)	11.4	(1.9)	52.5	(2.7)	24.1	(1.7)	12.0	(2.0)
Luxembourg	27.7	(0.0)	58.2	(0.1)	14.2	(0.0)	24.2	(1.3)	55.4	(1.5)	16.0	(1.1)	4.3	(0.6)
Mexico	18.1	(2.3)	45.9	(2.3)	32.1	(2.4)	39.1	(4.9)	55.7	(4.3)	4.9	(0.9)	0.3	(0.1)
Netherlands	32.2	(3.5)	58.2	(4.2)	9.2	(2.5)	11.6	(1.6)	41.0	(3.5)	29.2	(2.6)	18.2	(2.0)
New Zealand	1.1	(0.8)	32.9	(2.8)	61.8	(3.2)	c	c	c	c	c	c	c	c
Norway	a	a	1.0	(0.7)	92.9	(1.8)	c	c	c	c	c	c	c	c
Poland	4.5	(1.6)	49.1	(3.5)	45.8	(3.5)	12.0	(3.0)	54.9	(4.0)	22.9	(3.5)	10.3	(3.0)
Portugal	4.1	(1.4)	18.9	(3.3)	74.5	(3.5)	39.2	(12.9)	45.4	(9.0)	12.3	(4.2)	3.1	(1.4)
Slovak Republic	35.3	(3.1)	38.0	(3.5)	25.0	(2.7)	12.2	(2.5)	53.5	(2.5)	24.3	(2.1)	10.0	(1.2)
Spain	1.2	(0.8)	8.8	(1.9)	88.9	(2.3)	c	c	c	c	c	c	c	c
Sweden	1.8	(0.7)	2.2	(1.0)	94.2	(1.5)	c	c	c	c	c	c	c	c
Switzerland	38.4	(2.4)	26.3	(2.9)	32.0	(2.4)	12.7	(1.7)	41.6	(2.0)	28.7	(1.9)	16.9	(1.4)
Turkey	19.7	(2.9)	35.0	(3.6)	45.4	(3.4)	18.6	(4.3)	55.0	(4.4)	22.1	(4.7)	4.2	(1.6)
United Kingdom	6.7	(0.9)	9.4	(1.8)	75.0	(2.4)	0.9	(0.7)	18.2	(2.1)	33.8	(2.5)	47.1	(3.0)
United States	2.4	(1.1)	25.4	(3.5)	70.2	(3.7)	c	c	c	c	c	c	c	c
OECD average	17.4	(0.4)	29.1	(0.5)	51.2	(0.5)	15.3	(1.0)	46.3	(0.9)	24.6	(0.6)	13.8	(0.5)
Partners	3.6	(1.4)	39.2	(4.4)	55.3	(4.2)	42.7	(8.3)	50.7	(5.8)	6.0	(3.5)	1.0	(0.7)
Argentina	13.0	(2.6)	47.5	(3.7)	32.6	(4.1)	62.7	(5.7)	36.2	(5.3)	1.1	(0.6)	a	a
Azerbaijan	3.9	(1.2)	14.4	(2.1)	78.9	(2.4)	33.8	(9.1)	48.3	(8.0)	12.8	(4.4)	5.1	(3.7)
Brazil	59.7	(3.6)	28.9	(3.6)	9.6	(2.0)	31.9	(3.3)	49.0	(2.1)	14.4	(1.7)	4.6	(1.1)
Bulgaria	18.8	(3.4)	50.3	(4.4)	28.3	(4.0)	27.4	(4.3)	58.7	(2.7)	11.5	(2.4)	2.5	(1.0)
Chile	9.2	(2.3)	61.5	(5.0)	27.0	(4.0)	43.3	(4.1)	51.6	(3.9)	4.4	(1.6)	0.6	(0.5)
Colombia	85.5	(2.1)	13.7	(2.0)	0.8	(0.5)	14.7	(0.9)	60.4	(1.0)	19.2	(1.0)	5.7	(0.5)
Croatia	29.3	(2.8)	58.0	(3.2)	12.7	(2.0)	6.2	(0.9)	51.4	(2.2)	28.6	(1.6)	13.8	(1.8)
Estonia	44.2	(4.6)	55.8	(4.6)	a	a	4.3	(0.9)	43.1	(2.7)	33.8	(1.9)	18.7	(2.1)
Hong Kong-China	23.3	(4.7)	61.4	(4.5)	12.8	(2.1)	45.9	(7.9)	51.3	(6.6)	2.9	(1.7)	3.4	(0.3)
Indonesia	9.5	(2.3)	57.3	(4.0)	25.2	(3.5)	17.7	(4.3)	56.1	(3.6)	18.6	(2.7)	7.6	(1.8)
Israel	14.9	(3.0)	46.7	(4.2)	38.3	(3.8)	35.6	(4.9)	54.2	(3.8)	9.0	(2.8)	1.1	(0.8)
Jordan	14.4	(2.4)	57.6	(3.7)	24.6	(3.0)	88.9	(2.9)	10.8	(2.8)	0.3	(0.2)	a	a
Kyrgyzstan	4.9	(1.5)	56.7	(3.5)	37.3	(3.3)	5.5	(1.8)	66.2	(4.3)	23.5	(5.1)	4.7	(2.1)
Latvia	78.1	(0.8)	9.2	(0.6)	12.6	(0.6)	9.9	(1.9)	46.1	(3.5)	28.3	(2.8)	15.6	(2.3)
Liechtenstein	3.3	(1.4)	29.3	(3.5)	67.4	(3.3)	4.1	(3.8)	36.0	(7.6)	37.1	(5.7)	22.7	(6.5)
Lithuania	42.2	(0.1)	56.4	(0.1)	1.4	(0.0)	8.9	(1.1)	61.0	(1.8)	24.3	(1.5)	5.9	(0.6)
Macao-China	11.3	(0.1)	81.1	(0.2)	7.6	(0.2)	24.8	(1.6)	59.8	(2.7)	14.3	(2.3)	1.2	(0.7)
Montenegro	24.5	(0.1)	36.0	(0.1)	23.4	(0.1)	69.8	(1.3)	26.1	(1.4)	3.3	(0.4)	0.8	(0.3)
Qatar	37.9	(4.5)	44.1	(5.4)	16.3	(3.3)	37.8	(3.2)	54.6	(2.1)	6.8	(1.7)	0.8	(0.4)
Romania	6.4	(1.4)	34.2	(4.0)	57.3	(4.1)	19.9	(5.3)	56.0	(4.6)	17.4	(3.6)	6.7	(3.4)
Russian Federation	78.6	(3.1)	17.3	(3.2)	2.4	(1.0)	33.4	(1.9)	57.9	(1.7)	7.7	(0.8)	1.0	(0.2)
Serbia	28.2	(0.1)	30.4	(0.3)	39.9	(0.3)	3.3	(0.7)	38.8	(1.9)	31.1	(2.4)	26.8	(1.5)
Slovenia	34.7	(3.0)	40.0	(3.8)	23.1	(2.7)	3.5	(1.1)	36.5	(2.9)	36.8	(1.9)	23.2	(2.7)
Chinese Taipei	15.8	(2.4)	61.1	(2.9)	23.1	(2.6)	38.6	(4.7)	51.9	(3.6)	8.4	(2.0)	1.1	(0.5)
Thailand	14.8	(2.8)	39.9	(4.3)	43.5	(4.2)	59.2	(6.7)	35.5	(4.9)	4.8	(2.4)	0.6	(0.4)
Tunisia	7.7	(1.6)	14.4	(2.0)	75.5	(2.5)	38.8	(8.0)	47.9	(5.9)	10.4	(3.0)	2.9	(1.4)
Uruguay														

[Part 2/2]

Percentage of students by performance group, by schools' use of selecting students by their academic record

	Students in schools where student's academic record is "high priority" or "considered" for admittance to school								Students in schools where student's academic record is "not considered" for admittance to school							
	Lowest performers		Moderate performers		Strong performers		Top performers		Lowest performers		Moderate performers		Strong performers		Top performers	
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.
OECD	12.9	(0.9)	48.3	(1.0)	24.4	(0.8)	14.4	(1.0)	13.5	(1.0)	48.9	(1.0)	24.5	(0.9)	13.1	(0.9)
Australia	12.9	(0.9)	48.3	(1.0)	24.4	(0.8)	14.4	(1.0)	13.5	(1.0)	48.9	(1.0)	24.5	(0.9)	13.1	(0.9)
Austria	16.7	(4.3)	48.3	(3.5)	25.4	(2.5)	9.6	(1.5)	34.1	(2.4)	57.7	(2.1)	7.5	(1.1)	0.7	(0.3)
Belgium	14.5	(1.6)	48.1	(1.8)	26.5	(1.7)	10.9	(1.1)	19.3	(2.4)	50.2	(2.3)	21.8	(1.6)	8.7	(1.1)
Canada	9.4	(1.0)	49.5	(1.2)	27.4	(1.2)	13.7	(1.0)	10.9	(0.8)	48.1	(1.0)	27.4	(0.9)	13.7	(0.8)
Czech Republic	16.3	(3.0)	53.6	(2.9)	20.5	(2.3)	9.5	(1.9)	23.5	(1.7)	58.2	(1.5)	14.2	(1.3)	4.0	(0.8)
Denmark	16.7	(2.8)	53.8	(2.6)	20.9	(2.4)	8.7	(1.8)	19.1	(1.2)	55.8	(1.1)	19.1	(0.9)	6.0	(0.6)
Finland	6.2	(1.8)	37.4	(3.1)	35.1	(3.1)	21.3	(3.0)	3.9	(0.5)	43.3	(1.2)	32.0	(1.1)	20.7	(0.9)
France	w	w	w	w	w	w	w	w	w	w	w	w	w	w	w	w
Germany	13.3	(2.0)	50.0	(1.9)	24.4	(1.8)	12.3	(1.5)	20.9	(3.2)	53.8	(2.6)	18.2	(2.1)	7.1	(1.5)
Greece	15.2	(3.5)	57.9	(3.1)	20.4	(2.8)	6.5	(1.3)	26.1	(1.6)	58.3	(1.4)	12.8	(0.9)	2.8	(0.3)
Hungary	14.0	(1.4)	62.6	(1.9)	18.4	(1.7)	4.9	(1.1)	65.5	(4.8)	34.2	(4.9)	1.5	(0.8)		
Iceland	22.7	(2.0)	54.2	(3.0)	16.9	(3.1)	6.3	(1.4)	20.6	(1.0)	54.1	(1.0)	19.1	(0.8)	6.1	(0.6)
Ireland	15.0	(2.9)	51.7	(2.6)	23.9	(2.7)	9.4	(1.9)	15.6	(1.3)	54.2	(1.1)	20.9	(0.9)	9.2	(0.8)
Italy	22.1	(2.4)	55.4	(1.6)	17.0	(1.4)	5.6	(0.8)	26.1	(1.3)	55.2	(1.2)	14.7	(0.9)	4.0	(0.4)
Japan	15.5	(2.4)	49.0	(2.3)	22.8	(2.2)	12.7	(2.2)	26.4	(17.0)	38.1	(9.1)	25.2	(11.5)	10.4	(7.2)
Korea	15.7	(3.3)	54.3	(2.7)	23.1	(2.6)	6.9	(1.3)	7.1	(1.0)	52.8	(2.1)	29.6	(2.0)	10.5	(1.5)
Luxembourg	20.0	(0.6)	52.7	(1.2)	19.9	(0.9)	7.4	(0.6)	26.7	(1.6)	56.2	(2.4)	14.7	(1.4)	2.5	(0.7)
Mexico	47.0	(2.5)	48.9	(2.2)	3.8	(0.7)	0.4	(0.1)	62.7	(2.4)	35.6	(2.3)	1.6	(0.5)	0.1	(0.1)
Netherlands	14.0	(1.9)	51.5	(2.0)	24.0	(1.7)	10.5	(1.2)	11.7	(4.3)	50.7	(6.8)	25.3	(5.6)	12.3	(4.5)
New Zealand	13.8	(1.6)	44.7	(1.9)	23.7	(1.7)	17.9	(1.5)	13.3	(1.0)	44.8	(1.1)	24.2	(1.0)	17.7	(0.9)
Norway	c	c	c	c	c	c	c	c	21.2	(1.3)	56.0	(1.2)	16.9	(0.7)	6.0	(0.5)
Poland	15.5	(1.2)	54.7	(1.3)	21.6	(1.3)	8.2	(0.9)	19.1	(1.3)	59.5	(1.5)	16.5	(1.1)	4.9	(0.5)
Portugal	21.3	(4.6)	58.3	(3.0)	17.1	(2.7)	3.3	(0.8)	24.4	(1.7)	58.0	(1.5)	14.4	(1.0)	3.2	(0.5)
Slovak Republic	20.9	(2.3)	60.3	(1.8)	15.0	(1.8)	3.8	(0.8)	30.6	(2.7)	54.1	(2.3)	13.0	(1.7)	2.3	(0.5)
Spain	16.7	(4.2)	54.2	(1.7)	22.3	(3.2)	6.9	(1.5)	20.0	(0.9)	58.3	(0.7)	17.2	(0.8)	4.5	(0.4)
Sweden	c	c	c	c	c	c	c	c	16.3	(0.8)	55.2	(1.0)	20.7	(0.9)	7.8	(0.5)
Switzerland	19.3	(2.0)	54.1	(2.0)	20.3	(2.0)	6.3	(1.2)	17.9	(1.4)	56.8	(1.8)	19.5	(1.3)	5.8	(1.7)
Turkey	55.0	(3.2)	42.5	(2.7)	2.3	(1.1)	0.1	(0.1)	52.1	(2.6)	45.5	(2.3)	2.3	(0.6)	0.1	(0.1)
United Kingdom	11.8	(2.0)	46.2	(2.5)	22.5	(2.1)	19.5	(2.4)	18.1	(1.0)	50.4	(1.1)	20.8	(0.8)	10.8	(0.7)
United States	22.8	(3.0)	48.3	(2.5)	19.1	(2.2)	9.8	(1.5)	25.0	(2.0)	48.6	(1.5)	18.0	(1.0)	8.5	(0.8)
OECD average	18.7	(0.5)	51.5	(0.4)	20.7	(0.4)	9.1	(0.3)	23.7	(0.4)	51.9	(0.4)	17.4	(0.3)	7.2	(0.2)
Partners																
Argentina	42.2	(4.9)	50.0	(4.0)	6.9	(1.4)	0.9	(0.3)	66.2	(2.7)	31.6	(2.5)	2.1	(0.5)	0.2	(0.1)
Azerbaijan	69.2	(3.1)	30.3	(3.0)	0.5	(0.3)	0.0	(0.0)	77.0	(3.5)	23.0	(3.5)	0.1	(0.1)	a	a
Brazil	53.8	(5.2)	37.1	(4.2)	8.2	(2.0)	1.0	(0.5)	63.9	(1.5)	33.6	(1.4)	2.1	(0.3)	0.3	(0.2)
Bulgaria	57.8	(4.7)	37.0	(3.8)	4.5	(1.2)	0.8	(0.4)	61.7	(5.5)	34.6	(4.2)	3.4	(1.8)	0.4	(0.4)
Chile	32.3	(2.4)	54.1	(1.9)	10.9	(1.5)	2.7	(0.6)	61.0	(3.4)	36.7	(2.8)	2.1	(1.3)	0.3	(0.4)
Colombia	60.8	(2.6)	37.2	(2.6)	1.9	(0.5)	0.1	(0.1)	63.0	(3.2)	35.8	(3.1)	1.2	(0.4)	0.1	(0.1)
Croatia	28.1	(3.6)	61.6	(2.9)	8.9	(1.8)	1.5	(0.8)	c	c	c	c	c	c	c	c
Estonia	8.2	(1.0)	54.7	(1.3)	26.2	(1.2)	10.9	(0.8)	8.6	(2.2)	62.3	(4.6)	20.6	(3.7)	8.6	(1.9)
Hong Kong-China	12.2	(1.6)	47.6	(1.9)	26.4	(1.6)	13.7	(1.5)	c	c	c	c	c	c	c	c
Indonesia	64.8	(2.9)	34.3	(2.8)	0.8	(0.4)	0.1	(0.0)	75.0	(3.8)	23.5	(2.9)	1.5	(1.4)	a	a
Israel	36.6	(2.2)	43.3	(1.6)	14.6	(1.3)	5.6	(0.8)	44.0	(3.5)	42.7	(2.3)	10.1	(1.5)	3.1	(0.8)
Jordan	43.0	(2.2)	50.2	(1.9)	6.0	(0.8)	0.7	(0.3)	49.3	(2.2)	46.8	(2.0)	3.7	(0.8)	0.3	(0.2)
Kyrgyzstan	86.7	(1.6)	12.6	(1.4)	0.7	(0.2)	0.0	(0.0)	85.4	(2.8)	13.8	(2.5)	0.8	(0.5)	0.1	(0.1)
Latvia	14.2	(1.1)	63.1	(1.4)	18.0	(1.1)	4.7	(0.6)	23.8	(2.6)	59.6	(2.2)	13.6	(1.8)	2.9	(0.7)
Liechtenstein	15.3	(8.7)	68.0	(12.9)	16.7	(9.2)	a	a	29.8	(8.2)	58.1	(10.3)	12.1	(5.6)	a	a
Lithuania	14.9	(2.3)	54.7	(2.6)	22.5	(2.3)	7.8	(1.8)	23.5	(1.4)	59.3	(1.2)	14.3	(1.0)	2.9	(0.5)
Macao-China	10.7	(0.6)	62.2	(0.9)	22.1	(0.8)	5.0	(0.5)	c	c	c	c	c	c	c	c
Montenegro	53.6	(1.0)	44.0	(1.1)	2.2	(0.3)	0.2	(0.1)	51.4	(3.8)	45.6	(4.1)	2.9	(1.4)	0.7	(0.7)
Qatar	78.8	(0.7)	18.9	(0.8)	1.9	(0.3)	0.3	(0.2)	84.2	(1.0)	15.2	(1.0)	0.6	(0.2)	a	a
Romania	47.2	(4.3)	49.8	(4.2)	2.8	(0.8)	0.2	(0.2)	63.5	(6.7)	33.6	(5.9)	2.6	(1.3)	0.3	(0.2)
Russian Federation	21.3	(2.6)	57.5	(2.2)	16.6	(1.8)	4.6	(1.0)	22.7	(1.4)	59.4	(1.2)	14.2	(1.1)	3.7	(0.5)
Serbia	56.8	(4.6)	40.5	(4.3)	2.6	(0.9)	0.2	(0.2)	c	c	c	c	c	c	c	c
Slovenia	13.1	(1.3)	50.9	(1.8)	24.3	(1.5)	11.8	(0.8)	21.4	(1.3)	58.6	(1.6)	15.6	(0.9)	4.4	(0.6)
Chinese Taipei	16.5	(2.2)	50.0	(2.4)	23.3	(2.1)	10.2	(1.9)	15.4	(2.2)	52.1	(2.1)	22.7	(1.9)	9.9	(1.3)
Thailand	45.2	(1.7)	50.9	(1.5)	3.6	(0.5)	0.3	(0.1)	53.6	(2.5)	44.3	(2.3)	1.9	(0.7)	0.1	(0.1)
Tunisia	60.8	(3.2)	37.3	(2.9)	1.9	(0.7)	0.1	(0.1)	66.3	(3.0)	32.6	(2.9)	1.1	(0.4)	0.1	(0.1)
Uruguay	32.3	(4.9)	53.3	(4.0)	11.5	(2.1)	2.9	(0.8)	44.2	(1.7)	49.0	(1.5)	5.8	(0.6)	1.0	(0.3)



[Part 1/1]

Table A3.1a Regular science lessons in school, by performance group

	Percentage of students taking regular lessons in science in school								Hours per week taking science lessons in school								Difference in hours between strong performers and top performers
	Lowest performers		Moderate performers		Strong performers		Top performers		Lowest performers		Moderate performers		Strong performers		Top performers		
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	Mean	S.E.	Mean	S.E.	Mean	S.E.	Mean	S.E.	
OECD	Australia	76.0 (1.6)	82.7 (0.8)	90.5 (0.8)	95.6 (0.7)	2.26 (0.06)	2.98 (0.04)	3.67 (0.04)	4.18 (0.05)	-0.52 (0.06)							
	Austria	69.3 (2.4)	79.8 (1.1)	91.7 (1.3)	96.4 (1.2)	1.44 (0.06)	2.18 (0.05)	3.14 (0.09)	3.82 (0.14)	-0.61 (0.13)							
	Belgium	61.6 (2.7)	81.9 (1.0)	97.3 (0.5)	99.1 (0.4)	1.43 (0.07)	2.29 (0.06)	3.36 (0.06)	3.97 (0.07)	-0.58 (0.10)							
	Canada	80.4 (1.5)	89.0 (0.5)	94.0 (0.7)	96.4 (0.6)	2.70 (0.09)	3.71 (0.04)	4.45 (0.06)	4.86 (0.07)	-0.46 (0.09)							
	Czech Republic	82.4 (2.2)	86.7 (1.2)	93.2 (1.4)	97.3 (1.3)	1.88 (0.07)	2.36 (0.06)	3.77 (0.10)	4.93 (0.11)	-1.18 (0.13)							
	Denmark	91.0 (1.7)	97.1 (0.7)	99.0 (0.5)	99.7 (0.4)	2.59 (0.09)	3.23 (0.04)	3.51 (0.06)	3.76 (0.11)	-0.23 (0.11)							
	Finland	85.4 (3.0)	95.3 (0.6)	98.0 (0.5)	99.1 (0.3)	2.21 (0.11)	2.75 (0.05)	3.28 (0.05)	3.80 (0.06)	-0.49 (0.08)							
	France	79.5 (1.8)	93.3 (0.8)	98.7 (0.4)	99.8 (0.5)	1.46 (0.05)	2.56 (0.05)	4.02 (0.08)	4.82 (0.09)	-0.87 (0.14)							
	Germany	77.4 (2.5)	89.4 (0.9)	96.3 (0.9)	98.2 (0.8)	1.85 (0.08)	2.72 (0.06)	3.69 (0.07)	4.48 (0.10)	-0.74 (0.12)							
	Greece	76.6 (1.4)	94.5 (0.6)	99.5 (0.3)	100.0 (0.0)	1.99 (0.07)	3.30 (0.04)	4.23 (0.07)	4.77 (0.15)	-0.56 (0.19)							
	Hungary	86.4 (1.7)	89.1 (1.1)	91.9 (1.5)	94.4 (2.1)	1.80 (0.06)	2.28 (0.04)	3.13 (0.09)	3.92 (0.14)	-0.82 (0.19)							
	Iceland	90.8 (1.1)	97.3 (0.4)	98.7 (0.6)	98.6 (0.9)	2.54 (0.07)	2.98 (0.03)	3.27 (0.05)	3.37 (0.10)	-0.13 (0.14)							
	Ireland	69.6 (3.1)	84.8 (1.2)	92.7 (1.1)	95.9 (1.4)	2.07 (0.11)	2.45 (0.05)	2.80 (0.05)	3.15 (0.08)	-0.28 (0.11)							
	Italy	84.3 (0.9)	90.5 (1.2)	90.8 (2.1)	88.6 (3.5)	2.21 (0.06)	2.98 (0.07)	3.57 (0.09)	3.64 (0.18)	-0.15 (0.14)							
	Japan	91.8 (2.3)	95.3 (1.6)	97.7 (0.9)	99.2 (0.5)	2.09 (0.08)	2.57 (0.06)	2.88 (0.07)	3.23 (0.08)	-0.32 (0.07)							
	Korea	90.7 (2.6)	96.3 (1.5)	98.6 (0.6)	99.3 (0.5)	2.82 (0.10)	3.52 (0.06)	3.87 (0.09)	4.03 (0.23)	-0.09 (0.18)							
	Luxembourg	80.6 (1.7)	89.0 (0.7)	95.4 (0.9)	98.7 (1.0)	1.65 (0.05)	2.30 (0.04)	2.93 (0.07)	3.17 (0.11)	-0.30 (0.16)							
	Mexico	87.2 (0.7)	84.1 (0.6)	87.0 (2.7)	c c	3.03 (0.06)	3.24 (0.05)	3.76 (0.15)	c c	c c							
	Netherlands	61.7 (3.5)	71.5 (1.3)	85.0 (1.2)	91.9 (1.5)	1.29 (0.12)	1.70 (0.04)	2.72 (0.06)	3.58 (0.12)	-0.86 (0.13)							
	New Zealand	76.4 (2.7)	89.8 (0.9)	96.0 (0.7)	97.9 (0.6)	2.42 (0.11)	3.89 (0.05)	4.49 (0.05)	5.01 (0.05)	-0.48 (0.08)							
	Norway	92.4 (1.1)	97.8 (0.4)	99.5 (0.3)	99.6 (0.7)	2.34 (0.05)	2.66 (0.03)	2.82 (0.04)	2.88 (0.05)	-0.02 (0.07)							
	Poland	94.1 (0.9)	96.9 (0.4)	99.2 (0.4)	98.7 (0.7)	2.09 (0.05)	2.63 (0.04)	3.24 (0.06)	3.55 (0.09)	-0.29 (0.12)							
	Portugal	90.0 (1.2)	85.4 (0.9)	86.7 (1.7)	94.1 (2.2)	2.14 (0.05)	3.18 (0.06)	4.55 (0.09)	5.53 (0.15)	-1.00 (0.21)							
	Slovak Republic	76.4 (1.9)	89.4 (1.1)	96.6 (1.1)	99.6 (0.4)	1.32 (0.06)	2.24 (0.08)	3.59 (0.13)	4.69 (0.14)	-1.03 (0.22)							
	Spain	86.5 (1.1)	89.0 (0.6)	95.0 (0.7)	97.6 (0.9)	2.26 (0.06)	2.94 (0.04)	4.08 (0.06)	4.86 (0.11)	-0.83 (0.16)							
	Sweden	90.7 (1.7)	98.1 (0.4)	98.5 (0.7)	99.1 (0.7)	2.35 (0.07)	2.82 (0.03)	2.98 (0.04)	3.11 (0.06)	-0.10 (0.08)							
	Switzerland	70.0 (1.7)	85.0 (0.9)	93.5 (0.9)	98.4 (0.7)	1.40 (0.05)	2.05 (0.03)	2.96 (0.06)	3.95 (0.10)	-1.00 (0.13)							
	Turkey	85.2 (1.1)	96.0 (0.7)	97.8 (2.3)	c c	1.95 (0.07)	3.31 (0.10)	5.57 (0.14)	c c	c c							
	United Kingdom	90.7 (1.0)	97.3 (0.5)	99.1 (0.3)	99.4 (0.2)	3.12 (0.08)	4.14 (0.04)	4.69 (0.04)	5.20 (0.06)	-0.49 (0.08)							
	United States	85.0 (1.1)	93.1 (0.6)	96.3 (1.0)	97.1 (1.1)	2.30 (0.08)	3.54 (0.05)	4.31 (0.06)	4.74 (0.09)	-0.35 (0.13)							
	OECD average	81.7 (0.4)	90.2 (0.2)	95.3 (0.2)	97.5 (0.2)	2.07 (0.01)	2.82 (0.01)	3.57 (0.01)	4.11 (0.02)	-0.53 (0.03)							
Partners	Argentina	80.4 (1.4)	90.7 (1.0)	96.8 (1.6)	c c	1.84 (0.05)	2.61 (0.06)	3.94 (0.23)	c c	c c							
	Azerbaijan	88.6 (0.8)	96.2 (1.0)	c c	c c	2.61 (0.07)	3.37 (0.08)	c c	c c	c c							
	Brazil	88.6 (0.7)	96.3 (0.5)	99.4 (0.7)	c c	1.84 (0.03)	2.58 (0.04)	4.13 (0.13)	c c	c c							
	Bulgaria	76.2 (1.4)	91.5 (0.7)	97.3 (1.0)	97.5 (1.5)	1.84 (0.06)	2.95 (0.07)	3.68 (0.13)	4.25 (0.22)	-0.42 (0.22)							
	Chile	76.2 (1.3)	88.5 (1.0)	96.7 (0.9)	c c	1.66 (0.04)	2.53 (0.06)	3.77 (0.13)	c c	c c							
	Colombia	94.0 (0.6)	95.8 (0.8)	c c	c c	3.23 (0.10)	3.86 (0.14)	c c	c c	c c							
	Croatia	53.8 (2.6)	75.3 (1.4)	91.5 (1.1)	95.1 (1.7)	1.31 (0.07)	1.96 (0.05)	2.62 (0.07)	2.77 (0.14)	-0.21 (0.18)							
	Estonia	87.5 (2.1)	96.8 (0.4)	98.9 (0.5)	99.3 (0.4)	2.14 (0.11)	2.93 (0.05)	3.74 (0.06)	4.54 (0.10)	-0.83 (0.11)							
	Hong Kong-China	61.8 (3.4)	59.8 (1.5)	71.7 (1.6)	82.8 (1.8)	1.65 (0.15)	2.35 (0.06)	3.81 (0.10)	4.90 (0.11)	-1.20 (0.16)							
	Indonesia	93.4 (0.8)	95.0 (1.1)	c c	c c	2.78 (0.05)	3.90 (0.10)	c c	c c	c c							
	Israel	64.4 (1.9)	78.8 (1.5)	85.9 (2.4)	91.1 (3.0)	1.71 (0.07)	2.45 (0.07)	3.31 (0.12)	4.11 (0.15)	-0.69 (0.21)							
	Jordan	83.3 (1.2)	93.9 (0.7)	98.0 (1.4)	c c	2.51 (0.07)	3.67 (0.05)	4.70 (0.15)	c c	c c							
	Kyrgyzstan	74.7 (0.9)	91.6 (1.2)	c c	c c	1.91 (0.07)	3.01 (0.09)	c c	c c	c c							
	Latvia	85.3 (1.9)	94.0 (0.6)	97.6 (0.8)	97.9 (1.5)	2.09 (0.08)	2.78 (0.06)	3.63 (0.09)	4.07 (0.21)	-0.62 (0.29)							
	Liechtenstein	82.7 (6.2)	93.6 (1.9)	100.0 (0.0)	100.0 (0.0)	2.04 (0.20)	2.18 (0.11)	2.81 (0.17)	4.15 (0.27)	-1.21 (0.44)							
	Lithuania	90.5 (1.3)	96.9 (0.4)	99.3 (0.4)	99.9 (0.2)	1.91 (0.07)	2.70 (0.05)	3.26 (0.07)	3.70 (0.10)	-0.42 (0.16)							
	Macao-China	81.9 (2.1)	88.8 (0.5)	90.4 (1.0)	93.0 (1.9)	2.25 (0.10)	3.55 (0.05)	4.59 (0.07)	5.27 (0.14)	-0.62 (0.26)							
	Montenegro	83.3 (0.8)	94.2 (0.7)	98.8 (1.0)	c c	2.26 (0.05)	3.26 (0.05)	4.48 (0.17)	c c	c c							
	Qatar	80.2 (0.6)	94.0 (0.9)	c c	c c	2.25 (0.04)	3.97 (0.06)	c c	c c	c c							
	Romania	73.6 (1.6)	89.5 (0.8)	97.9 (1.0)	c c	1.73 (0.08)	2.58 (0.06)	4.17 (0.17)	c c	c c							
	Russian Federation	87.9 (1.5)	93.8 (0.6)	97.6 (0.7)	99.3 (0.7)	2.77 (0.12)	3.75 (0.07)	4.60 (0.10)	5.28 (0.12)	-0.49 (0.21)							
	Serbia	78.4 (1.2)	92.3 (0.8)	98.6 (0.8)	c c	2.05 (0.06)	3.20 (0.06)	4.43 (0.10)	c c	c c							
	Slovenia	79.2 (1.9)	89.1 (0.9)	96.1 (1.0)	98.4 (0.9)	1.65 (0.07)	2.43 (0.04)	3.43 (0.07)	4.40 (0.09)	-0.88 (0.15)							
	Chinese Taipei	70.6 (2.4)	86.1 (1.1)	94.2 (1.2)	97.8 (0.8)	1.49 (0.07)	2.60 (0.06)	3.43 (0.07)	3.79 (0.06)	-0.36 (0.09)							
	Thailand	100.0 (0.0)	100.0 (0.0)	100.0 (0.0)	c c	3.25 (0.04)	4.14 (0.05)	5.81 (0.13)	c c	c c							
	Tunisia	67.5 (1.6)	75.1 (1.6)	c c	c c	2.17 (0.05)	3.26 (0.06)	c c	c c	c c							
	Uruguay	76.6 (1.7)	87.3 (1.1)	92.7 (1.8)	c c	1.89 (0.06)	2.54 (0.06)	3.59 (0.13)	c c	c c							

Note: Values that are statistically significant are indicated in bold (see Annex B).

[Part 1/1]

Table A3.1b Out-of-school lessons in science, by performance group

	Percentage of students taking out-of-school-time lessons in science								Hours per week taking out-of-school lessons in science								Difference in hours between strong performers and top performers	
	Lowest performers		Moderate performers		Strong performers		Top performers		Lowest performers		Moderate performers		Strong performers		Top performers			
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	Mean	S.E.	Mean	S.E.	Mean	S.E.	Mean	S.E.		
OECD	28.6	(1.2)	23.8	(0.8)	21.9	(1.0)	17.8	(1.1)	0.50	(0.03)	0.36	(0.02)	0.34	(0.02)	0.26	(0.02)	0.07	(0.03)
Australia	28.6	(1.2)	23.8	(0.8)	21.9	(1.0)	17.8	(1.1)	0.50	(0.03)	0.36	(0.02)	0.34	(0.02)	0.26	(0.02)	0.07	(0.03)
Austria	25.4	(2.2)	12.6	(0.8)	4.7	(0.8)	3.8	(1.2)	0.52	(0.06)	0.22	(0.02)	0.07	(0.02)	0.05	(0.02)	0.01	(0.03)
Belgium	24.9	(1.7)	22.2	(0.8)	14.4	(0.9)	9.1	(1.2)	0.51	(0.06)	0.36	(0.02)	0.21	(0.02)	0.14	(0.02)	0.08	(0.03)
Canada	42.9	(2.0)	37.0	(0.9)	30.3	(1.2)	23.3	(1.6)	0.79	(0.05)	0.60	(0.02)	0.50	(0.03)	0.36	(0.03)	0.14	(0.04)
Czech Republic	35.5	(2.9)	31.1	(1.4)	32.4	(1.8)	33.1	(2.3)	0.69	(0.07)	0.51	(0.03)	0.53	(0.04)	0.51	(0.05)	0.02	(0.06)
Denmark	51.3	(2.9)	54.2	(1.3)	53.8	(2.1)	48.9	(4.4)	0.77	(0.06)	0.78	(0.03)	0.78	(0.04)	0.72	(0.08)	0.06	(0.09)
Finland	39.3	(4.3)	28.2	(1.2)	20.5	(1.6)	13.7	(1.7)	0.74	(0.11)	0.39	(0.02)	0.27	(0.03)	0.19	(0.03)	0.08	(0.05)
France	38.2	(2.1)	41.6	(1.1)	32.6	(2.0)	21.7	(3.3)	0.61	(0.04)	0.58	(0.02)	0.51	(0.04)	0.34	(0.06)	0.17	(0.08)
Germany	46.9	(2.4)	33.0	(1.2)	20.6	(1.6)	15.7	(1.7)	0.90	(0.07)	0.58	(0.03)	0.32	(0.03)	0.22	(0.03)	0.11	(0.04)
Greece	65.5	(1.9)	74.9	(1.1)	77.3	(2.1)	75.2	(4.8)	1.51	(0.07)	2.05	(0.05)	2.41	(0.10)	2.52	(0.25)	-0.11	(0.26)
Hungary	63.1	(2.5)	55.4	(1.3)	49.8	(2.3)	52.6	(3.6)	1.19	(0.07)	0.99	(0.03)	0.91	(0.05)	1.00	(0.08)	-0.09	(0.09)
Iceland	26.8	(1.9)	18.0	(1.0)	14.5	(1.5)	9.2	(2.2)	0.49	(0.04)	0.27	(0.02)	0.20	(0.03)	0.13	(0.03)	0.08	(0.04)
Ireland	25.9	(2.3)	23.6	(1.0)	15.6	(1.3)	11.3	(2.2)	0.43	(0.05)	0.35	(0.02)	0.22	(0.02)	0.17	(0.04)	0.05	(0.05)
Italy	39.6	(1.1)	29.5	(0.8)	20.7	(1.4)	17.9	(2.8)	0.79	(0.03)	0.57	(0.02)	0.36	(0.03)	0.32	(0.06)	0.04	(0.08)
Japan	26.2	(2.1)	18.3	(0.9)	15.4	(1.2)	12.8	(1.5)	0.49	(0.05)	0.27	(0.02)	0.20	(0.02)	0.15	(0.02)	0.05	(0.03)
Korea	28.9	(2.1)	48.1	(1.7)	59.3	(2.6)	59.1	(4.6)	0.56	(0.06)	0.92	(0.04)	1.29	(0.07)	1.39	(0.18)	-0.10	(0.16)
Luxembourg	43.7	(1.6)	29.4	(1.0)	18.0	(1.6)	14.0	(2.5)	0.82	(0.04)	0.50	(0.02)	0.26	(0.03)	0.22	(0.05)	0.04	(0.06)
Mexico	56.4	(1.2)	44.8	(1.1)	31.3	(3.2)	c	c	1.20	(0.04)	0.84	(0.03)	0.61	(0.09)	c	c	c	c
Netherlands	40.8	(2.9)	38.7	(1.4)	29.4	(1.6)	19.3	(2.3)	0.74	(0.06)	0.61	(0.03)	0.46	(0.03)	0.25	(0.03)	0.20	(0.05)
New Zealand	33.3	(2.7)	27.7	(1.2)	21.8	(1.6)	19.3	(1.7)	0.63	(0.07)	0.42	(0.02)	0.34	(0.03)	0.29	(0.03)	0.05	(0.04)
Norway	66.1	(2.0)	62.7	(1.3)	52.8	(2.2)	47.3	(3.6)	1.16	(0.05)	0.95	(0.03)	0.71	(0.04)	0.67	(0.08)	0.04	(0.08)
Poland	47.8	(2.2)	39.2	(1.3)	37.7	(1.9)	40.2	(2.9)	0.82	(0.05)	0.59	(0.03)	0.55	(0.04)	0.66	(0.07)	-0.11	(0.09)
Portugal	42.7	(1.9)	31.7	(1.1)	26.7	(2.2)	21.3	(3.9)	0.79	(0.05)	0.60	(0.02)	0.57	(0.05)	0.47	(0.11)	0.10	(0.12)
Slovak Republic	29.6	(2.3)	37.0	(1.6)	50.1	(2.7)	50.4	(2.8)	0.45	(0.04)	0.61	(0.04)	0.89	(0.06)	0.92	(0.09)	-0.03	(0.10)
Spain	41.1	(1.9)	30.3	(1.0)	21.5	(1.5)	13.9	(2.3)	0.92	(0.06)	0.70	(0.03)	0.47	(0.05)	0.28	(0.06)	0.19	(0.07)
Sweden	48.3	(2.1)	38.7	(1.1)	25.5	(1.9)	16.7	(2.8)	0.83	(0.06)	0.52	(0.02)	0.33	(0.03)	0.20	(0.04)	0.13	(0.04)
Switzerland	36.7	(1.7)	23.4	(0.9)	21.0	(1.4)	16.4	(1.8)	0.67	(0.04)	0.36	(0.02)	0.32	(0.02)	0.28	(0.05)	0.04	(0.06)
Turkey	77.6	(1.0)	84.8	(1.1)	75.4	(5.6)	c	c	0.96	(0.05)	1.49	(0.07)	2.90	(0.18)	c	c	c	c
United Kingdom	34.2	(1.8)	35.5	(1.2)	29.8	(1.5)	24.2	(1.9)	0.58	(0.04)	0.52	(0.02)	0.42	(0.03)	0.33	(0.03)	0.08	(0.04)
United States	49.9	(1.8)	45.8	(1.2)	39.1	(2.2)	29.8	(2.6)	1.01	(0.05)	0.78	(0.03)	0.66	(0.06)	0.47	(0.06)	0.18	(0.10)
OECD average	40.1	(0.4)	35.4	(0.2)	30.6	(0.3)	26.4	(0.5)	0.75	(0.01)	0.61	(0.00)	0.54	(0.01)	0.48	(0.01)	0.06	(0.02)
Partners	34.2	(1.5)	19.6	(1.1)	14.5	(4.4)	c	c	0.60	(0.03)	0.36	(0.02)	0.24	(0.09)	c	c	c	c
Azerbaijan	61.0	(1.4)	61.1	(2.1)	c	c	c	c	1.34	(0.04)	1.42	(0.08)	c	c	c	c	c	c
Bulgaria	55.7	(1.5)	46.6	(1.2)	42.4	(2.3)	43.2	(4.9)	1.12	(0.04)	0.92	(0.04)	0.83	(0.07)	0.69	(0.12)	0.13	(0.13)
Brazil	43.7	(1.1)	47.3	(1.7)	57.1	(4.9)	c	c	0.77	(0.03)	0.80	(0.04)	1.09	(0.15)	c	c	c	c
Chile	52.5	(1.4)	47.7	(1.3)	44.1	(3.4)	c	c	0.89	(0.03)	0.79	(0.02)	0.77	(0.07)	c	c	c	c
Colombia	50.9	(1.6)	50.7	(1.7)	c	c	c	c	0.94	(0.04)	0.96	(0.05)	c	c	c	c	c	c
Estonia	63.3	(3.6)	49.7	(1.2)	36.6	(1.7)	27.8	(2.8)	1.31	(0.14)	0.86	(0.03)	0.55	(0.04)	0.43	(0.05)	0.13	(0.08)
Hong Kong-China	35.8	(2.6)	32.6	(1.5)	43.4	(1.7)	49.4	(2.3)	0.68	(0.07)	0.69	(0.04)	1.06	(0.06)	1.17	(0.09)	-0.11	(0.11)
Croatia	31.8	(2.5)	25.3	(1.2)	19.7	(1.3)	14.2	(2.2)	0.62	(0.05)	0.43	(0.02)	0.33	(0.03)	0.19	(0.04)	0.14	(0.05)
Indonesia	55.0	(1.4)	60.6	(2.9)	c	c	c	c	0.96	(0.03)	1.16	(0.09)	c	c	c	c	c	c
Israel	53.4	(1.8)	48.9	(1.7)	46.4	(2.7)	41.7	(4.0)	1.10	(0.05)	0.93	(0.05)	0.93	(0.08)	0.73	(0.11)	0.20	(0.14)
Jordan	66.4	(1.4)	64.3	(1.5)	59.3	(4.6)	c	c	1.58	(0.05)	1.49	(0.05)	1.43	(0.16)	c	c	c	c
Kyrgyzstan	68.3	(1.1)	55.2	(2.3)	c	c	c	c	1.43	(0.03)	0.99	(0.06)	c	c	c	c	c	c
Liechtenstein	48.8	(9.5)	36.4	(4.1)	20.7	(5.4)	12.0	(4.5)	0.98	(0.27)	0.57	(0.08)	0.35	(0.11)	0.19	(0.10)	0.17	(0.15)
Lithuania	49.5	(2.1)	34.1	(1.2)	26.1	(2.5)	23.4	(4.9)	0.89	(0.05)	0.54	(0.02)	0.36	(0.04)	0.29	(0.06)	0.07	(0.07)
Latvia	47.1	(2.2)	38.2	(1.3)	33.1	(2.3)	35.9	(5.3)	0.78	(0.05)	0.64	(0.03)	0.54	(0.05)	0.63	(0.14)	-0.09	(0.16)
Macao-China	51.7	(3.0)	46.7	(1.2)	46.3	(2.2)	51.1	(3.6)	1.09	(0.09)	0.98	(0.04)	0.97	(0.08)	1.14	(0.19)	-0.17	(0.24)
Montenegro	57.5	(1.3)	45.5	(1.3)	39.8	(5.1)	c	c	1.22	(0.04)	0.91	(0.04)	0.73	(0.15)	c	c	c	c
Qatar	71.5	(0.8)	60.6	(1.7)	c	c	c	c	1.50	(0.03)	1.47	(0.06)	c	c	c	c	c	c
Romania	54.7	(1.4)	56.0	(2.0)	54.8	(6.7)	c	c	1.05	(0.04)	1.00	(0.04)	1.02	(0.13)	c	c	c	c
Russian Federation	61.2	(2.1)	58.3	(1.6)	54.9	(2.0)	61.2	(4.2)	1.16	(0.06)	1.11	(0.04)	1.08	(0.06)	1.33	(0.14)	-0.25	(0.15)
Serbia	45.1	(1.3)	40.9	(1.2)	37.3	(3.3)	c	c	0.85	(0.04)	0.75	(0.03)	0.72	(0.11)	c	c	c	c
Slovenia	55.9	(2.4)	46.4	(1.1)	40.1	(2.0)	36.3	(3.0)	0.93	(0.05)	0.75	(0.03)	0.64	(0.04)	0.52	(0.05)	0.12	(0.08)
Chinese Taipei	29.0	(2.3)	34.2	(1.1)	38.4	(1.5)	37.4	(1.7)	0.43	(0.05)	0.69	(0.03)	0.95	(0.04)	1.01	(0.05)	-0.06	(0.07)
Thailand	40.5	(1.5)	37.8	(1.6)	68.2	(4.8)	c	c	0.79	(0.04)	0.90	(0.05)	2.33	(0.25)	c	c	c	c
Tunisia	44.3	(1.5)	54.4	(1.6)	c	c	c	c	1.77	(0.04)	2.17	(0.05)	c	c	c	c	c	c
Uruguay	38.0	(1.7)	32.3	(1.4)	23.2	(2.8)	c	c	0.69	(0.04)	0.58	(0.04)	0.43	(0.08)	c	c	c	c

Note: Values that are statistically significant are indicated in bold (see Annex B).



[Part 1/1]

Table A3.2a Science teaching strategy: focus on applications

	Lowest performers		Moderate performers		Strong performers		Top performers		Difference in the mean index between strong performers and top performers	
	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Dif.	S.E.
OECD										
Australia	0.03	(0.04)	0.15	(0.02)	0.32	(0.03)	0.45	(0.03)	-0.13	(0.04)
Austria	-0.13	(0.07)	-0.18	(0.03)	0.02	(0.04)	0.13	(0.05)	-0.11	(0.07)
Belgium	-0.42	(0.06)	-0.22	(0.02)	0.00	(0.02)	0.14	(0.05)	-0.14	(0.05)
Canada	0.27	(0.05)	0.34	(0.02)	0.41	(0.03)	0.54	(0.04)	-0.13	(0.06)
Czech Republic	0.01	(0.06)	-0.22	(0.03)	-0.16	(0.04)	-0.03	(0.04)	-0.13	(0.05)
Denmark	0.09	(0.04)	0.15	(0.02)	0.30	(0.04)	0.32	(0.05)	-0.02	(0.06)
Finland	-0.25	(0.08)	-0.23	(0.03)	-0.08	(0.03)	0.01	(0.03)	-0.09	(0.04)
France	-0.08	(0.05)	-0.04	(0.03)	0.09	(0.04)	0.15	(0.06)	-0.06	(0.08)
Germany	0.01	(0.05)	-0.12	(0.03)	-0.08	(0.04)	-0.03	(0.04)	-0.06	(0.05)
Greece	0.43	(0.04)	0.33	(0.03)	0.28	(0.04)	0.20	(0.09)	0.07	(0.09)
Hungary	0.09	(0.07)	-0.02	(0.03)	-0.03	(0.04)	0.14	(0.08)	-0.16	(0.08)
Iceland	-0.27	(0.05)	-0.01	(0.03)	0.13	(0.04)	0.31	(0.07)	-0.18	(0.09)
Italy	0.12	(0.03)	-0.14	(0.02)	-0.18	(0.03)	-0.09	(0.06)	-0.09	(0.07)
Ireland	0.03	(0.05)	-0.01	(0.03)	0.09	(0.04)	0.19	(0.06)	-0.10	(0.07)
Japan	-0.87	(0.08)	-0.97	(0.03)	-0.93	(0.04)	-0.84	(0.06)	-0.09	(0.07)
Korea	-0.51	(0.05)	-0.36	(0.02)	-0.25	(0.04)	-0.21	(0.07)	-0.04	(0.08)
Luxembourg	-0.02	(0.04)	-0.21	(0.02)	-0.16	(0.05)	-0.24	(0.06)	0.09	(0.08)
Mexico	0.41	(0.02)	0.37	(0.02)	0.52	(0.06)	c	c	c	c
Netherlands	-0.27	(0.06)	-0.39	(0.03)	-0.18	(0.03)	-0.05	(0.03)	-0.13	(0.04)
New Zealand	0.13	(0.06)	0.12	(0.03)	0.19	(0.04)	0.34	(0.04)	-0.15	(0.05)
Norway	-0.12	(0.04)	-0.12	(0.02)	-0.06	(0.03)	0.12	(0.05)	-0.18	(0.06)
Poland	0.22	(0.05)	0.07	(0.02)	0.07	(0.03)	0.13	(0.05)	-0.06	(0.06)
Portugal	0.29	(0.04)	0.29	(0.03)	0.47	(0.05)	0.58	(0.09)	-0.11	(0.10)
Slovak Republic	-0.12	(0.07)	-0.22	(0.03)	-0.05	(0.04)	0.01	(0.07)	-0.06	(0.07)
Spain	-0.07	(0.04)	-0.06	(0.02)	0.05	(0.03)	0.16	(0.06)	-0.11	(0.07)
Sweden	-0.14	(0.06)	-0.04	(0.03)	0.04	(0.04)	0.16	(0.05)	-0.12	(0.07)
Switzerland	-0.16	(0.04)	0.11	(0.02)	0.27	(0.03)	0.37	(0.04)	-0.10	(0.05)
Turkey	0.09	(0.04)	0.08	(0.03)	0.09	(0.08)	c	c	c	c
United Kingdom	-0.02	(0.04)	-0.02	(0.02)	0.06	(0.03)	0.18	(0.03)	-0.11	(0.04)
United States	0.42	(0.04)	0.38	(0.03)	0.41	(0.05)	0.45	(0.05)	-0.04	(0.07)
OECD average	-0.05	(0.01)	-0.06	(0.00)	0.04	(0.01)	0.13	(0.01)	-0.09	(0.01)
Partners										
Argentina	0.15	(0.04)	0.04	(0.04)	0.10	(0.10)	c	c	c	c
Azerbaijan	0.65	(0.03)	0.64	(0.04)	c	c	c	c	c	c
Brazil	0.21	(0.03)	0.17	(0.03)	0.38	(0.11)	c	c	c	c
Bulgaria	0.53	(0.03)	0.40	(0.03)	0.42	(0.05)	0.44	(0.07)	-0.01	(0.09)
Chile	0.43	(0.05)	0.43	(0.03)	0.42	(0.07)	c	c	c	c
Colombia	0.60	(0.04)	0.61	(0.05)	c	c	c	c	c	c
Croatia	0.03	(0.06)	0.09	(0.03)	0.17	(0.05)	0.24	(0.09)	-0.07	(0.12)
Estonia	0.28	(0.08)	0.20	(0.02)	0.18	(0.03)	0.28	(0.04)	-0.10	(0.05)
Hong Kong-China	-0.24	(0.12)	-0.11	(0.03)	0.08	(0.04)	0.17	(0.05)	-0.08	(0.07)
Indonesia	0.19	(0.03)	-0.01	(0.05)	c	c	c	c	c	c
Israel	0.11	(0.04)	0.02	(0.04)	0.06	(0.07)	-0.07	(0.10)	0.14	(0.12)
Jordan	0.62	(0.03)	0.64	(0.03)	0.66	(0.08)	c	c	c	c
Kyrgyzstan	0.78	(0.02)	0.54	(0.05)	c	c	c	c	c	c
Latvia	0.28	(0.03)	0.22	(0.02)	0.32	(0.03)	0.42	(0.08)	-0.10	(0.09)
Liechtenstein	-0.21	(0.17)	0.07	(0.09)	0.15	(0.12)	0.03	(0.14)	0.12	(0.19)
Lithuania	0.22	(0.03)	0.20	(0.02)	0.28	(0.04)	0.40	(0.06)	-0.11	(0.08)
Macao-China	-0.36	(0.06)	-0.24	(0.03)	0.02	(0.05)	0.10	(0.08)	-0.09	(0.09)
Montenegro	0.25	(0.03)	0.03	(0.03)	-0.03	(0.11)	c	c	c	c
Qatar	0.41	(0.02)	0.25	(0.04)	c	c	c	c	c	c
Romania	0.27	(0.04)	0.16	(0.03)	0.19	(0.10)	c	c	c	c
Russian Federation	0.58	(0.03)	0.50	(0.02)	0.53	(0.04)	0.62	(0.08)	-0.09	(0.09)
Serbia	0.14	(0.03)	-0.09	(0.02)	-0.09	(0.07)	c	c	c	c
Slovenia	0.11	(0.05)	-0.12	(0.03)	-0.19	(0.03)	-0.15	(0.05)	-0.04	(0.06)
Chinese Taipei	-0.03	(0.05)	0.06	(0.03)	0.20	(0.03)	0.31	(0.03)	-0.11	(0.04)
Thailand	0.52	(0.02)	0.71	(0.02)	0.79	(0.09)	c	c	c	c
Tunisia	0.58	(0.02)	0.52	(0.03)	c	c	c	c	c	c
Uruguay	0.11	(0.04)	0.02	(0.03)	0.10	(0.06)	c	c	c	c

Note: Values that are statistically significant are indicated in bold (see Annex B).

[Part 1/1]

Table A3.2b Science teaching strategy: hands-on activities

	Lowest performers		Moderate performers		Strong performers		Top performers		Difference in the mean index between strong performers and top performers	
	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Dif.	S.E.
OECD										
Australia	0.31	(0.04)	0.37	(0.02)	0.42	(0.02)	0.40	(0.03)	0.01	(0.04)
Austria	-0.28	(0.08)	-0.44	(0.04)	-0.48	(0.05)	-0.50	(0.07)	0.03	(0.08)
Belgium	-0.45	(0.05)	-0.37	(0.03)	-0.28	(0.03)	-0.27	(0.04)	-0.01	(0.04)
Canada	0.46	(0.05)	0.47	(0.02)	0.47	(0.02)	0.43	(0.03)	0.04	(0.04)
Czech Republic	-0.01	(0.05)	-0.39	(0.03)	-0.41	(0.06)	-0.28	(0.06)	-0.13	(0.06)
Denmark	0.54	(0.04)	0.65	(0.03)	0.80	(0.04)	0.84	(0.05)	-0.04	(0.06)
Finland	-0.06	(0.10)	-0.07	(0.02)	0.06	(0.03)	0.17	(0.03)	-0.11	(0.04)
France	0.03	(0.04)	0.21	(0.03)	0.54	(0.03)	0.64	(0.03)	-0.10	(0.04)
Germany	0.12	(0.06)	0.12	(0.03)	0.21	(0.03)	0.22	(0.04)	-0.01	(0.05)
Greece	0.40	(0.04)	-0.09	(0.03)	-0.44	(0.07)	-0.60	(0.11)	0.16	(0.11)
Hungary	-0.37	(0.09)	-0.82	(0.03)	-0.92	(0.05)	-0.84	(0.08)	-0.07	(0.08)
Iceland	-0.37	(0.05)	-0.64	(0.02)	-0.74	(0.04)	-0.82	(0.08)	0.08	(0.09)
Ireland	0.41	(0.05)	0.38	(0.03)	0.37	(0.04)	0.32	(0.06)	0.05	(0.07)
Italy	-0.11	(0.04)	-0.51	(0.03)	-0.53	(0.05)	-0.41	(0.07)	-0.13	(0.07)
Japan	-0.54	(0.08)	-0.56	(0.05)	-0.51	(0.07)	-0.45	(0.11)	-0.06	(0.08)
Korea	-0.29	(0.06)	-0.38	(0.04)	-0.48	(0.05)	-0.54	(0.08)	0.05	(0.07)
Luxembourg	-0.14	(0.04)	-0.28	(0.03)	-0.19	(0.05)	-0.20	(0.06)	0.00	(0.08)
Mexico	0.51	(0.03)	0.46	(0.03)	0.49	(0.07)	c	c	c	c
Netherlands	0.20	(0.07)	0.02	(0.04)	0.12	(0.04)	0.14	(0.04)	-0.02	(0.06)
New Zealand	0.34	(0.05)	0.30	(0.02)	0.34	(0.03)	0.33	(0.03)	0.00	(0.04)
Norway	0.23	(0.04)	0.17	(0.03)	0.10	(0.06)	0.16	(0.06)	-0.06	(0.07)
Poland	0.09	(0.05)	-0.22	(0.02)	-0.38	(0.03)	-0.37	(0.06)	-0.02	(0.06)
Portugal	0.18	(0.05)	0.04	(0.03)	0.20	(0.04)	0.23	(0.07)	-0.04	(0.07)
Slovak Republic	-0.06	(0.08)	-0.29	(0.03)	-0.15	(0.06)	-0.02	(0.08)	-0.13	(0.08)
Spain	-0.16	(0.04)	-0.32	(0.03)	-0.34	(0.04)	-0.38	(0.05)	0.05	(0.06)
Sweden	0.18	(0.07)	0.27	(0.03)	0.26	(0.04)	0.23	(0.05)	0.03	(0.06)
Switzerland	-0.12	(0.04)	0.05	(0.02)	0.22	(0.03)	0.31	(0.05)	-0.09	(0.05)
Turkey	0.22	(0.04)	-0.07	(0.04)	-0.22	(0.10)	c	c	c	c
United Kingdom	0.39	(0.04)	0.44	(0.02)	0.48	(0.02)	0.51	(0.03)	-0.03	(0.03)
United States	0.65	(0.04)	0.68	(0.02)	0.74	(0.04)	0.69	(0.05)	0.04	(0.06)
OECD average	0.06	(0.01)	-0.04	(0.01)	-0.02	(0.01)	0.00	(0.01)	-0.02	(0.01)
Partners										
Argentina	-0.04	(0.03)	-0.32	(0.06)	-0.32	(0.11)	c	c	c	c
Azerbaijan	0.61	(0.03)	0.35	(0.04)	c	c	c	c	c	c
Brazil	-0.20	(0.02)	-0.47	(0.04)	-0.27	(0.12)	c	c	c	c
Bulgaria	0.43	(0.05)	-0.11	(0.04)	-0.39	(0.06)	-0.45	(0.10)	0.06	(0.12)
Chile	0.43	(0.06)	0.20	(0.04)	0.13	(0.06)	c	c	c	c
Colombia	0.31	(0.05)	0.30	(0.05)	c	c	c	c	c	c
Croatia	-0.01	(0.06)	-0.38	(0.04)	-0.50	(0.06)	-0.47	(0.06)	-0.03	(0.09)
Estonia	0.32	(0.07)	-0.02	(0.02)	-0.26	(0.03)	-0.34	(0.06)	0.07	(0.06)
Hong Kong-China	0.10	(0.10)	0.19	(0.03)	0.36	(0.04)	0.40	(0.04)	-0.04	(0.06)
Indonesia	0.37	(0.03)	0.33	(0.04)	c	c	c	c	c	c
Israel	0.35	(0.05)	0.24	(0.04)	0.32	(0.08)	0.19	(0.11)	0.14	(0.13)
Jordan	0.71	(0.03)	0.41	(0.04)	0.30	(0.08)	c	c	c	c
Kyrgyzstan	0.88	(0.02)	0.48	(0.04)	c	c	c	c	c	c
Latvia	0.25	(0.05)	-0.03	(0.03)	-0.07	(0.04)	-0.16	(0.06)	0.09	(0.07)
Liechtenstein	-0.09	(0.20)	-0.02	(0.09)	-0.01	(0.10)	-0.17	(0.13)	0.16	(0.17)
Lithuania	0.35	(0.04)	0.17	(0.03)	0.17	(0.04)	0.22	(0.07)	-0.05	(0.06)
Macao-China	-0.15	(0.05)	-0.19	(0.02)	-0.09	(0.04)	0.00	(0.06)	-0.08	(0.08)
Montenegro	-0.05	(0.03)	-0.69	(0.03)	-1.15	(0.11)	c	c	c	c
Qatar	0.60	(0.02)	0.20	(0.04)	c	c	c	c	c	c
Romania	0.44	(0.04)	0.19	(0.03)	0.07	(0.08)	c	c	c	c
Russian Federation	0.75	(0.03)	0.57	(0.02)	0.47	(0.04)	0.41	(0.06)	0.06	(0.06)
Serbia	-0.15	(0.05)	-0.71	(0.03)	-0.97	(0.06)	c	c	c	c
Slovenia	0.12	(0.06)	-0.07	(0.02)	-0.04	(0.03)	-0.01	(0.04)	-0.03	(0.06)
Chinese Taipei	0.17	(0.05)	-0.08	(0.03)	-0.16	(0.04)	-0.07	(0.04)	-0.09	(0.04)
Thailand	0.60	(0.02)	0.62	(0.02)	0.82	(0.08)	c	c	c	c
Tunisia	0.71	(0.02)	0.54	(0.03)	c	c	c	c	c	c
Uruguay	0.24	(0.04)	0.04	(0.03)	0.08	(0.07)	c	c	c	c

Note: Values that are statistically significant are indicated in bold (see Annex B).



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Table A3.2c Science teaching strategy: interaction

	Lowest performers		Moderate performers		Strong performers		Top performers		Difference in the mean index between strong performers and top performers	
	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Dif.	S.E.
OECD										
Australia	0.03	(0.04)	0.15	(0.02)	0.31	(0.03)	0.35	(0.03)	-0.04	(0.04)
Austria	0.35	(0.05)	0.17	(0.03)	0.08	(0.05)	-0.02	(0.07)	0.10	(0.07)
Belgium	0.11	(0.04)	-0.10	(0.02)	-0.30	(0.03)	-0.40	(0.04)	0.10	(0.04)
Canada	0.22	(0.05)	0.19	(0.02)	0.16	(0.04)	0.13	(0.04)	0.03	(0.07)
Czech Republic	0.35	(0.05)	0.15	(0.03)	0.03	(0.04)	-0.05	(0.05)	0.08	(0.06)
Denmark	0.05	(0.04)	-0.04	(0.03)	0.02	(0.05)	0.07	(0.07)	-0.05	(0.08)
Finland	-0.03	(0.07)	-0.10	(0.02)	-0.13	(0.03)	-0.19	(0.03)	0.06	(0.04)
France	0.05	(0.05)	-0.15	(0.02)	-0.33	(0.04)	-0.35	(0.07)	0.03	(0.08)
Germany	0.30	(0.06)	0.13	(0.03)	0.02	(0.04)	-0.06	(0.05)	0.09	(0.06)
Greece	0.78	(0.04)	0.55	(0.02)	0.40	(0.05)	0.22	(0.09)	0.18	(0.10)
Hungary	0.23	(0.06)	0.19	(0.03)	0.13	(0.05)	0.22	(0.08)	-0.08	(0.09)
Iceland	-0.28	(0.04)	-0.20	(0.02)	-0.11	(0.04)	-0.01	(0.05)	-0.09	(0.07)
Ireland	-0.21	(0.05)	-0.39	(0.03)	-0.42	(0.04)	-0.40	(0.07)	-0.02	(0.08)
Italy	0.60	(0.02)	0.38	(0.02)	0.10	(0.03)	0.04	(0.06)	0.06	(0.06)
Japan	-0.81	(0.05)	-1.06	(0.03)	-1.27	(0.03)	-1.39	(0.04)	0.12	(0.05)
Korea	-0.72	(0.04)	-0.96	(0.02)	-1.20	(0.04)	-1.31	(0.10)	0.11	(0.08)
Luxembourg	0.19	(0.04)	-0.10	(0.03)	-0.26	(0.04)	-0.35	(0.08)	0.09	(0.09)
Mexico	0.41	(0.02)	0.36	(0.02)	0.33	(0.07)	c	c	c	c
Netherlands	0.12	(0.06)	-0.20	(0.03)	-0.37	(0.03)	-0.44	(0.06)	0.07	(0.07)
New Zealand	0.07	(0.05)	0.11	(0.03)	0.20	(0.03)	0.22	(0.04)	-0.02	(0.05)
Norway	0.09	(0.04)	0.08	(0.03)	0.03	(0.05)	0.07	(0.07)	-0.04	(0.09)
Poland	0.18	(0.04)	0.02	(0.02)	-0.07	(0.03)	-0.12	(0.05)	0.05	(0.05)
Portugal	0.50	(0.04)	0.37	(0.03)	0.28	(0.05)	0.18	(0.09)	0.10	(0.10)
Slovak Republic	0.19	(0.06)	-0.10	(0.02)	-0.34	(0.04)	-0.51	(0.07)	0.17	(0.07)
Spain	0.18	(0.04)	0.02	(0.02)	-0.06	(0.03)	-0.14	(0.07)	0.08	(0.08)
Sweden	-0.04	(0.06)	-0.04	(0.03)	-0.05	(0.04)	-0.11	(0.06)	0.06	(0.07)
Switzerland	0.09	(0.04)	0.07	(0.02)	-0.04	(0.03)	-0.16	(0.05)	0.11	(0.06)
Turkey	0.43	(0.03)	0.49	(0.03)	0.37	(0.08)	c	c	c	c
United Kingdom	0.12	(0.04)	0.08	(0.02)	0.09	(0.03)	0.08	(0.04)	0.00	(0.05)
United States	0.40	(0.04)	0.32	(0.02)	0.23	(0.04)	0.06	(0.06)	0.17	(0.08)
OECD average	0.11	(0.01)	-0.02	(0.00)	-0.10	(0.01)	-0.16	(0.01)	0.05	(0.01)
Partners										
Argentina	0.35	(0.03)	0.35	(0.04)	0.27	(0.11)	c	c	c	c
Azerbaijan	0.74	(0.03)	0.77	(0.04)	c	c	c	c	c	c
Brazil	0.12	(0.02)	0.03	(0.03)	0.09	(0.08)	c	c	c	c
Bulgaria	0.44	(0.04)	0.30	(0.03)	0.20	(0.04)	0.03	(0.11)	0.17	(0.12)
Chile	0.39	(0.03)	0.22	(0.03)	0.11	(0.06)	c	c	c	c
Colombia	0.37	(0.03)	0.41	(0.04)	c	c	c	c	c	c
Croatia	0.39	(0.05)	0.30	(0.03)	0.17	(0.05)	0.16	(0.07)	0.01	(0.08)
Estonia	0.40	(0.06)	0.28	(0.02)	0.14	(0.03)	0.13	(0.05)	0.02	(0.05)
Hong Kong-China	-0.24	(0.09)	-0.31	(0.03)	-0.28	(0.03)	-0.29	(0.04)	0.01	(0.05)
Indonesia	0.49	(0.03)	0.52	(0.04)	c	c	c	c	c	c
Israel	0.30	(0.04)	0.30	(0.04)	0.29	(0.06)	0.14	(0.07)	0.15	(0.09)
Jordan	0.82	(0.02)	0.72	(0.02)	0.68	(0.07)	c	c	c	c
Kyrgyzstan	0.96	(0.02)	0.68	(0.05)	c	c	c	c	c	c
Latvia	0.45	(0.04)	0.28	(0.02)	0.18	(0.05)	0.12	(0.11)	0.06	(0.12)
Liechtenstein	0.05	(0.15)	-0.09	(0.08)	-0.19	(0.10)	-0.43	(0.15)	0.24	(0.19)
Lithuania	0.33	(0.03)	0.09	(0.02)	-0.07	(0.04)	-0.12	(0.07)	0.05	(0.09)
Macao-China	-0.26	(0.05)	-0.38	(0.03)	-0.52	(0.04)	-0.54	(0.09)	0.03	(0.10)
Montenegro	0.37	(0.02)	0.12	(0.02)	-0.11	(0.09)	c	c	c	c
Qatar	0.45	(0.02)	0.33	(0.04)	c	c	c	c	c	c
Romania	0.40	(0.02)	0.35	(0.02)	0.17	(0.09)	c	c	c	c
Russian Federation	0.51	(0.03)	0.45	(0.02)	0.33	(0.03)	0.34	(0.07)	-0.01	(0.08)
Serbia	0.29	(0.03)	-0.02	(0.02)	-0.29	(0.05)	c	c	c	c
Slovenia	0.34	(0.04)	0.17	(0.02)	0.09	(0.03)	-0.02	(0.04)	0.10	(0.05)
Chinese Taipei	0.09	(0.05)	-0.01	(0.03)	-0.11	(0.04)	-0.13	(0.03)	0.02	(0.05)
Thailand	0.08	(0.02)	0.02	(0.02)	0.11	(0.08)	c	c	c	c
Tunisia	0.75	(0.02)	0.62	(0.03)	c	c	c	c	c	c
Uruguay	0.36	(0.03)	0.26	(0.03)	0.18	(0.06)	c	c	c	c

Note: Values that are statistically significant are indicated in bold (see Annex B).

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Table A3.2d Science teaching strategy: student investigations

	Lowest performers		Moderate performers		Strong performers		Top performers		Difference in the mean index between strong performers and top performers	
	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Dif.	S.E.
	OECD	0.38	(0.01)	-0.05	(0.00)	-0.27	(0.01)	-0.38	(0.01)	0.11
Australia	0.46	(0.04)	0.18	(0.02)	0.08	(0.03)	0.05	(0.03)	0.03	(0.05)
Austria	0.31	(0.08)	-0.20	(0.03)	-0.52	(0.04)	-0.67	(0.04)	0.15	(0.05)
Belgium	0.28	(0.05)	-0.25	(0.02)	-0.58	(0.03)	-0.73	(0.03)	0.14	(0.04)
Canada	0.67	(0.04)	0.24	(0.02)	-0.05	(0.02)	-0.22	(0.03)	0.17	(0.04)
Czech Republic	0.31	(0.06)	-0.20	(0.03)	-0.43	(0.04)	-0.55	(0.04)	0.12	(0.05)
Denmark	0.18	(0.04)	-0.14	(0.03)	-0.20	(0.04)	-0.23	(0.06)	0.03	(0.06)
Finland	0.21	(0.08)	-0.16	(0.02)	-0.33	(0.03)	-0.47	(0.03)	0.14	(0.04)
France	0.37	(0.05)	-0.03	(0.02)	-0.19	(0.04)	-0.25	(0.06)	0.06	(0.07)
Germany	0.42	(0.08)	0.00	(0.03)	-0.27	(0.03)	-0.45	(0.05)	0.17	(0.05)
Greece	0.84	(0.04)	0.32	(0.03)	-0.15	(0.05)	-0.38	(0.09)	0.23	(0.11)
Hungary	0.19	(0.08)	-0.28	(0.03)	-0.49	(0.04)	-0.55	(0.06)	0.05	(0.07)
Iceland	-0.13	(0.05)	-0.46	(0.02)	-0.55	(0.03)	-0.62	(0.07)	0.07	(0.08)
Ireland	0.17	(0.05)	-0.23	(0.03)	-0.43	(0.04)	-0.58	(0.05)	0.15	(0.06)
Italy	0.52	(0.03)	-0.11	(0.02)	-0.45	(0.02)	-0.53	(0.05)	0.08	(0.05)
Japan	-0.01	(0.07)	-0.23	(0.03)	-0.29	(0.04)	-0.34	(0.06)	0.05	(0.05)
Korea	0.15	(0.05)	-0.13	(0.03)	-0.37	(0.04)	-0.49	(0.11)	0.11	(0.10)
Luxembourg	0.42	(0.04)	-0.19	(0.02)	-0.47	(0.05)	-0.70	(0.05)	0.22	(0.07)
Mexico	0.92	(0.02)	0.64	(0.02)	0.43	(0.06)	c	c	c	c
Netherlands	0.37	(0.06)	-0.12	(0.03)	-0.30	(0.03)	-0.33	(0.05)	0.02	(0.05)
New Zealand	0.51	(0.05)	0.04	(0.02)	-0.11	(0.03)	-0.18	(0.04)	0.07	(0.05)
Norway	0.24	(0.04)	-0.24	(0.03)	-0.56	(0.05)	-0.59	(0.06)	0.02	(0.08)
Poland	0.61	(0.05)	0.09	(0.03)	-0.20	(0.04)	-0.25	(0.06)	0.05	(0.06)
Portugal	0.83	(0.04)	0.38	(0.02)	0.14	(0.05)	-0.01	(0.08)	0.15	(0.09)
Slovak Republic	0.41	(0.06)	-0.05	(0.03)	-0.25	(0.05)	-0.36	(0.05)	0.10	(0.07)
Spain	0.26	(0.04)	-0.16	(0.02)	-0.41	(0.03)	-0.51	(0.05)	0.10	(0.06)
Sweden	0.32	(0.05)	0.07	(0.03)	-0.12	(0.04)	-0.24	(0.05)	0.11	(0.06)
Switzerland	0.46	(0.05)	0.13	(0.02)	-0.12	(0.03)	-0.30	(0.04)	0.18	(0.06)
Turkey	0.94	(0.03)	0.73	(0.03)	0.43	(0.08)	c	c	c	c
United Kingdom	0.30	(0.04)	-0.07	(0.02)	-0.18	(0.03)	-0.20	(0.03)	0.03	(0.04)
United States	0.95	(0.05)	0.47	(0.03)	0.19	(0.05)	-0.02	(0.06)	0.21	(0.08)
OECD average	0.38	(0.01)	-0.05	(0.00)	-0.27	(0.01)	-0.38	(0.01)	0.11	(0.01)
Partners										
Argentina	0.63	(0.04)	0.11	(0.04)	-0.28	(0.09)	c	c	c	c
Azerbaijan	1.33	(0.03)	1.05	(0.04)	c	c	c	c	c	c
Brazil	0.62	(0.03)	0.26	(0.03)	-0.07	(0.10)	c	c	c	c
Bulgaria	0.92	(0.04)	0.41	(0.03)	0.04	(0.05)	-0.07	(0.08)	0.10	(0.11)
Chile	0.91	(0.04)	0.54	(0.03)	0.27	(0.05)	c	c	c	c
Colombia	0.77	(0.05)	0.52	(0.06)	c	c	c	c	c	c
Croatia	0.67	(0.05)	0.26	(0.03)	-0.01	(0.05)	-0.17	(0.06)	0.16	(0.08)
Estonia	0.71	(0.07)	0.28	(0.03)	-0.07	(0.03)	-0.23	(0.05)	0.16	(0.05)
Hong Kong-China	0.48	(0.07)	0.28	(0.02)	0.17	(0.03)	0.08	(0.04)	0.10	(0.05)
Indonesia	0.90	(0.03)	0.53	(0.04)	c	c	c	c	c	c
Israel	0.73	(0.04)	0.35	(0.04)	0.19	(0.08)	-0.04	(0.10)	0.22	(0.14)
Jordan	1.20	(0.03)	0.92	(0.03)	0.74	(0.09)	c	c	c	c
Kyrgyzstan	1.46	(0.02)	0.69	(0.06)	c	c	c	c	c	c
Latvia	0.67	(0.04)	0.16	(0.02)	-0.16	(0.03)	-0.26	(0.10)	0.10	(0.11)
Liechtenstein	0.33	(0.17)	0.14	(0.08)	-0.31	(0.10)	-0.52	(0.16)	0.21	(0.19)
Lithuania	0.46	(0.04)	-0.05	(0.02)	-0.31	(0.04)	-0.40	(0.07)	0.08	(0.07)
Macao-China	0.35	(0.06)	0.03	(0.03)	-0.10	(0.05)	-0.14	(0.10)	0.04	(0.13)
Montenegro	0.62	(0.03)	-0.03	(0.02)	-0.47	(0.09)	c	c	c	c
Qatar	1.02	(0.02)	0.43	(0.04)	c	c	c	c	c	c
Romania	0.90	(0.04)	0.46	(0.03)	-0.03	(0.09)	c	c	c	c
Russian Federation	0.91	(0.04)	0.54	(0.03)	0.29	(0.04)	0.22	(0.07)	0.08	(0.08)
Serbia	0.43	(0.03)	-0.15	(0.03)	-0.50	(0.05)	c	c	c	c
Slovenia	0.64	(0.04)	0.20	(0.02)	-0.08	(0.03)	-0.15	(0.04)	0.07	(0.05)
Chinese Taipei	0.61	(0.05)	0.19	(0.03)	-0.06	(0.03)	-0.14	(0.03)	0.08	(0.04)
Thailand	1.01	(0.02)	0.93	(0.02)	0.96	(0.09)	c	c	c	c
Tunisia	1.08	(0.02)	0.72	(0.03)	c	c	c	c	c	c
Uruguay	0.58	(0.03)	0.29	(0.03)	0.00	(0.06)	c	c	c	c

Note: Values that are statistically significant are indicated in bold (see Annex B).



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Table A3.3a Students' science-related activities (mean index), by performance group

	Lowest performers		Moderate performers		Strong performers		Top performers		Difference in the mean index between strong performers and top performers		Difference in the mean index between strong performers and top performers after accounting for the PISA index of economic and social and cultural status	
	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Dif.	S.E.	Dif.	S.E.
	OECD											
Australia	-0.60 (0.04)		-0.46 (0.02)		-0.12 (0.02)		0.25 (0.03)		-0.37 (0.04)		-0.34 (0.04)	
Austria	-0.19 (0.05)		-0.09 (0.03)		0.19 (0.04)		0.45 (0.05)		-0.26 (0.07)		-0.25 (0.07)	
Belgium	-0.20 (0.05)		-0.11 (0.02)		0.19 (0.03)		0.51 (0.04)		-0.31 (0.05)		-0.29 (0.05)	
Canada	-0.40 (0.05)		-0.31 (0.02)		-0.04 (0.03)		0.31 (0.03)		-0.34 (0.04)		-0.32 (0.04)	
Czech Republic	0.02 (0.06)		-0.02 (0.03)		0.11 (0.03)		0.33 (0.05)		-0.22 (0.06)		-0.20 (0.06)	
Denmark	-0.46 (0.04)		-0.24 (0.02)		0.17 (0.04)		0.44 (0.06)		-0.27 (0.08)		-0.24 (0.07)	
Finland	-0.47 (0.11)		-0.34 (0.02)		-0.11 (0.02)		0.18 (0.03)		-0.30 (0.04)		-0.28 (0.04)	
France	-0.23 (0.05)		-0.11 (0.03)		0.26 (0.03)		0.55 (0.05)		-0.29 (0.06)		-0.26 (0.06)	
Germany	-0.10 (0.05)		-0.01 (0.02)		0.27 (0.03)		0.53 (0.04)		-0.26 (0.06)		-0.22 (0.06)	
Greece	0.12 (0.05)		0.24 (0.03)		0.57 (0.04)		0.75 (0.08)		-0.18 (0.09)		-0.14 (0.09)	
Hungary	0.21 (0.05)		0.25 (0.02)		0.46 (0.04)		0.74 (0.06)		-0.28 (0.07)		-0.26 (0.07)	
Iceland	-0.62 (0.04)		-0.29 (0.03)		0.18 (0.04)		0.58 (0.06)		-0.40 (0.07)		-0.38 (0.07)	
Ireland	-0.76 (0.05)		-0.56 (0.02)		-0.14 (0.04)		0.12 (0.05)		-0.26 (0.06)		-0.24 (0.06)	
Italy	0.12 (0.02)		0.24 (0.01)		0.44 (0.03)		0.63 (0.04)		-0.20 (0.05)		-0.18 (0.05)	
Japan	-0.89 (0.05)		-0.74 (0.02)		-0.52 (0.03)		-0.23 (0.03)		-0.29 (0.04)		-0.27 (0.04)	
Korea	-0.55 (0.05)		-0.32 (0.03)		0.05 (0.04)		0.32 (0.07)		-0.27 (0.06)		-0.22 (0.06)	
Luxembourg	-0.05 (0.04)		0.03 (0.02)		0.34 (0.04)		0.63 (0.05)		-0.28 (0.07)		-0.25 (0.07)	
Mexico	0.78 (0.03)		0.67 (0.02)		0.86 (0.05)		c c		c c		c c	
Netherlands	-0.28 (0.08)		-0.45 (0.03)		-0.14 (0.03)		0.19 (0.03)		-0.33 (0.04)		-0.29 (0.04)	
New Zealand	-0.41 (0.05)		-0.45 (0.03)		-0.16 (0.03)		0.21 (0.03)		-0.36 (0.05)		-0.32 (0.05)	
Norway	-0.35 (0.05)		-0.19 (0.02)		0.21 (0.04)		0.52 (0.05)		-0.31 (0.06)		-0.29 (0.06)	
Poland	0.63 (0.03)		0.60 (0.02)		0.71 (0.03)		0.87 (0.04)		-0.16 (0.05)		-0.13 (0.05)	
Portugal	0.29 (0.04)		0.43 (0.02)		0.70 (0.04)		0.88 (0.07)		-0.18 (0.07)		-0.17 (0.07)	
Slovak Republic	0.15 (0.07)		0.20 (0.02)		0.36 (0.03)		0.45 (0.05)		-0.08 (0.06)		-0.10 (0.06)	
Spain	-0.38 (0.04)		-0.20 (0.02)		0.13 (0.03)		0.38 (0.05)		-0.25 (0.06)		-0.23 (0.06)	
Sweden	-0.71 (0.04)		-0.49 (0.03)		-0.19 (0.04)		0.15 (0.05)		-0.34 (0.07)		-0.31 (0.07)	
Switzerland	-0.11 (0.04)		-0.10 (0.02)		0.19 (0.03)		0.47 (0.04)		-0.29 (0.05)		-0.25 (0.05)	
Turkey	0.41 (0.04)		0.64 (0.02)		1.03 (0.06)		c c		c c		c c	
United Kingdom	-0.64 (0.05)		-0.48 (0.02)		-0.20 (0.03)		0.17 (0.04)		-0.36 (0.04)		-0.33 (0.04)	
United States	-0.15 (0.04)		-0.20 (0.02)		0.07 (0.04)		0.37 (0.05)		-0.30 (0.07)		-0.28 (0.07)	
OECD average	-0.25 (0.01)		-0.15 (0.00)		0.14 (0.01)		0.42 (0.01)		-0.28 (0.01)		-0.25 (0.01)	
Partners												
Argentina	0.50 (0.04)		0.35 (0.04)		0.35 (0.10)		c c		c c		c c	
Azerbaijan	1.23 (0.02)		1.21 (0.03)		c c		c c		c c		c c	
Brazil	0.58 (0.02)		0.44 (0.03)		0.53 (0.09)		c c		c c		c c	
Bulgaria	0.76 (0.04)		0.75 (0.02)		0.87 (0.03)		1.00 (0.07)		-0.13 (0.08)		-0.10 (0.08)	
Chile	0.41 (0.04)		0.51 (0.02)		0.67 (0.04)		c c		c c		c c	
Colombia	1.04 (0.02)		0.94 (0.03)		c c		c c		c c		c c	
Croatia	0.24 (0.04)		0.32 (0.02)		0.52 (0.03)		0.71 (0.06)		-0.19 (0.08)		-0.18 (0.08)	
Estonia	0.38 (0.06)		0.37 (0.02)		0.41 (0.03)		0.52 (0.03)		-0.11 (0.04)		-0.10 (0.04)	
Hong Kong-China	-0.11 (0.06)		0.10 (0.02)		0.37 (0.03)		0.71 (0.03)		-0.34 (0.05)		-0.31 (0.05)	
Indonesia	0.55 (0.02)		0.60 (0.03)		c c		c c		c c		c c	
Israel	0.14 (0.05)		0.06 (0.04)		0.20 (0.07)		0.31 (0.10)		-0.11 (0.13)		-0.11 (0.13)	
Jordan	1.02 (0.03)		0.92 (0.02)		1.00 (0.06)		c c		c c		c c	
Kyrgyzstan	1.40 (0.02)		0.90 (0.04)		c c		c c		c c		c c	
Latvia	0.27 (0.05)		0.21 (0.03)		0.32 (0.04)		0.48 (0.06)		-0.17 (0.07)		-0.16 (0.07)	
Liechtenstein	-0.15 (0.15)		-0.21 (0.08)		-0.05 (0.10)		0.14 (0.16)		-0.19 (0.19)		-0.13 (0.19)	
Lithuania	0.28 (0.04)		0.23 (0.02)		0.30 (0.04)		0.40 (0.07)		-0.09 (0.08)		-0.09 (0.09)	
Macao-China	0.12 (0.06)		0.19 (0.02)		0.46 (0.03)		0.65 (0.07)		-0.19 (0.09)		-0.16 (0.09)	
Montenegro	0.78 (0.02)		0.71 (0.02)		0.80 (0.07)		c c		c c		c c	
Qatar	0.64 (0.02)		0.64 (0.03)		c c		c c		c c		c c	
Romania	0.60 (0.03)		0.66 (0.02)		0.84 (0.06)		c c		c c		c c	
Russian Federation	0.55 (0.07)		0.55 (0.03)		0.58 (0.03)		0.69 (0.07)		-0.11 (0.08)		-0.11 (0.09)	
Serbia	0.55 (0.03)		0.51 (0.02)		0.71 (0.05)		c c		c c		c c	
Slovenia	0.33 (0.06)		0.33 (0.02)		0.55 (0.04)		0.74 (0.04)		-0.20 (0.07)		-0.17 (0.07)	
Chinese Taipei	0.22 (0.05)		0.29 (0.02)		0.51 (0.02)		0.68 (0.02)		-0.17 (0.04)		-0.12 (0.04)	
Thailand	1.01 (0.01)		1.16 (0.01)		1.33 (0.05)		c c		c c		c c	
Tunisia	1.14 (0.02)		1.06 (0.02)		c c		c c		c c		c c	
Uruguay	0.18 (0.03)		0.11 (0.02)		0.19 (0.08)		c c		c c		c c	

Note: Values that are statistically significant are indicated in bold (see Annex B).

[Part 1/3]

Table A3.3b Students' science-related activities (underlying percentages), by performance group

	Percentage of students who do the following things regularly or very often																
	Watch TV programmes about science					Borrow or buy books on science topics											
	Lowest performers		Moderate performers		Strong performers		Top performers		Lowest performers		Moderate performers		Strong performers		Top performers		
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	
OECD	Australia	14.2	(1.1)	12.6	(0.6)	16.9	(0.8)	26.9	(1.3)	4.3	(0.6)	3.6	(0.3)	6.1	(0.5)	10.6	(0.8)
	Austria	15.1	(1.9)	12.7	(0.9)	20.2	(1.5)	30.4	(2.6)	7.9	(1.3)	4.2	(0.6)	8.9	(1.0)	12.2	(1.5)
	Belgium	21.6	(2.1)	20.2	(0.8)	26.9	(1.2)	39.2	(1.9)	7.5	(1.1)	6.1	(0.5)	10.1	(0.8)	17.3	(1.5)
	Canada	15.1	(1.4)	14.9	(0.7)	20.7	(1.0)	29.7	(1.3)	6.4	(0.9)	4.5	(0.4)	6.1	(0.6)	13.0	(1.0)
	Czech Republic	13.6	(1.7)	11.6	(0.7)	10.8	(1.3)	16.5	(1.9)	7.5	(1.5)	4.7	(0.6)	6.1	(1.0)	9.5	(1.4)
	Denmark	13.8	(1.6)	18.2	(0.8)	28.6	(2.0)	35.9	(3.1)	4.6	(0.8)	3.7	(0.4)	6.2	(0.9)	15.8	(2.4)
	Finland	13.0	(2.5)	12.8	(0.9)	16.3	(1.4)	22.5	(1.3)	2.3	(1.3)	2.1	(0.3)	3.0	(0.6)	5.7	(0.9)
	France	23.1	(1.7)	16.1	(1.0)	22.0	(1.5)	34.1	(3.3)	8.2	(1.2)	5.1	(0.5)	10.8	(1.3)	18.1	(2.2)
	Germany	14.7	(1.5)	13.2	(0.7)	21.3	(1.7)	34.9	(2.6)	7.2	(1.0)	4.8	(0.5)	7.6	(1.0)	12.6	(1.4)
	Greece	22.5	(1.8)	21.3	(1.0)	30.6	(1.9)	38.1	(4.5)	14.9	(1.5)	13.0	(0.9)	18.6	(1.8)	25.9	(4.0)
	Hungary	28.2	(2.7)	29.5	(1.0)	38.2	(1.9)	46.9	(3.6)	12.7	(2.2)	7.7	(0.7)	9.4	(0.9)	15.8	(2.7)
	Iceland	11.0	(1.1)	15.3	(0.8)	26.6	(2.0)	37.2	(4.0)	5.9	(0.8)	5.5	(0.5)	10.9	(1.4)	17.3	(2.6)
	Ireland	14.2	(1.7)	14.9	(0.9)	21.5	(1.5)	29.0	(2.2)	5.2	(1.2)	3.7	(0.5)	6.1	(0.9)	9.6	(1.7)
	Italy	24.3	(0.9)	23.4	(0.7)	27.9	(1.5)	35.2	(3.0)	8.9	(0.6)	7.7	(0.4)	10.0	(0.9)	16.9	(1.8)
	Japan	8.5	(1.3)	6.1	(0.5)	8.8	(0.9)	13.2	(1.2)	5.1	(1.0)	2.8	(0.4)	4.0	(0.6)	7.4	(0.8)
	Korea	8.2	(1.2)	6.6	(0.6)	10.9	(1.1)	14.5	(1.8)	5.0	(0.9)	4.5	(0.5)	10.3	(1.2)	19.3	(2.7)
	Luxembourg	19.9	(1.3)	18.6	(0.9)	29.2	(1.9)	39.3	(3.6)	9.8	(0.9)	7.2	(0.6)	11.0	(1.2)	20.2	(3.2)
	Mexico	43.2	(1.3)	42.3	(0.9)	52.0	(3.2)	c	c	30.4	(1.3)	23.6	(0.7)	30.2	(2.5)	c	c
	Netherlands	22.5	(2.4)	20.3	(1.0)	25.9	(1.4)	35.7	(1.9)	8.4	(2.0)	4.3	(0.5)	4.9	(0.9)	8.1	(1.3)
	New Zealand	14.5	(1.8)	13.4	(1.0)	17.0	(1.6)	25.1	(1.8)	6.6	(1.3)	4.8	(0.6)	7.3	(1.1)	12.4	(1.2)
Norway	19.2	(1.8)	19.3	(0.8)	27.2	(1.9)	39.1	(3.0)	5.8	(1.0)	4.4	(0.4)	6.7	(1.0)	9.2	(1.8)	
Poland	44.0	(2.0)	44.6	(1.1)	51.5	(1.6)	59.1	(2.9)	14.7	(1.4)	12.9	(0.8)	15.0	(1.3)	20.0	(2.4)	
Portugal	35.7	(1.7)	39.1	(1.1)	53.7	(2.4)	65.8	(4.5)	16.7	(1.3)	12.6	(0.7)	18.0	(2.0)	26.8	(5.4)	
Slovak Republic	19.2	(1.7)	16.6	(0.9)	22.4	(1.9)	28.0	(3.6)	6.5	(1.2)	6.0	(0.5)	9.1	(1.4)	13.0	(2.6)	
Spain	12.9	(1.3)	10.7	(0.5)	14.9	(1.0)	18.9	(2.8)	5.5	(0.8)	4.2	(0.4)	6.3	(0.9)	11.4	(2.1)	
Sweden	7.6	(1.0)	9.2	(0.8)	12.9	(1.4)	19.5	(2.4)	2.3	(0.8)	1.6	(0.4)	2.4	(0.7)	4.1	(1.2)	
Switzerland	16.8	(1.5)	13.8	(0.7)	19.0	(1.4)	24.7	(1.7)	6.9	(1.0)	3.7	(0.3)	6.1	(0.7)	11.0	(1.3)	
Turkey	22.9	(1.2)	30.0	(1.2)	47.4	(4.0)	c	c	16.6	(1.0)	22.4	(1.1)	38.2	(3.8)	c	c	
United Kingdom	11.3	(1.2)	10.1	(0.6)	14.1	(1.2)	24.8	(1.7)	4.4	(0.7)	3.9	(0.4)	6.0	(0.7)	9.5	(1.1)	
United States	18.7	(1.3)	17.9	(1.1)	21.6	(2.0)	28.4	(2.7)	8.5	(1.1)	4.5	(0.5)	6.8	(1.2)	13.0	(2.1)	
OECD average	18.0	(0.3)	17.2	(0.2)	23.5	(0.3)	31.9	(0.5)	7.5	(0.2)	5.5	(0.1)	8.3	(0.2)	13.8	(0.4)	
Partners	Argentina	34.2	(1.6)	35.7	(1.7)	34.0	(5.6)	c	c	28.5	(1.3)	20.8	(1.2)	17.7	(4.4)	c	c
	Azerbaijan	57.7	(1.1)	57.1	(1.4)	c	c	c	c	39.9	(1.7)	40.6	(2.0)	c	c	c	c
	Brazil	40.6	(1.1)	36.5	(1.4)	35.5	(4.5)	c	c	27.8	(1.1)	20.3	(1.2)	16.3	(3.0)	c	c
	Bulgaria	38.4	(1.5)	36.4	(1.4)	49.0	(3.1)	60.2	(5.6)	17.0	(1.4)	14.2	(1.2)	20.0	(2.9)	23.7	(4.7)
	Chile	35.8	(1.5)	45.1	(1.4)	52.3	(3.7)	c	c	20.8	(1.3)	18.6	(1.0)	18.5	(2.2)	c	c
	Colombia	56.6	(1.5)	63.6	(1.8)	c	c	c	c	41.3	(1.7)	37.3	(1.5)	c	c	c	c
	Croatia	26.3	(1.7)	28.3	(0.9)	36.8	(1.7)	47.1	(3.5)	7.8	(1.2)	8.7	(0.7)	14.4	(1.4)	24.1	(2.4)
	Estonia	26.6	(3.8)	25.1	(1.0)	27.1	(1.8)	30.3	(2.5)	8.4	(1.5)	5.7	(0.6)	6.2	(0.8)	8.4	(1.3)
	Hong Kong-China	11.8	(2.3)	13.6	(0.9)	21.2	(1.3)	34.1	(2.0)	6.9	(1.5)	8.3	(0.7)	14.4	(1.1)	25.4	(1.9)
	Indonesia	15.5	(0.9)	18.4	(1.0)	c	c	c	c	9.0	(0.7)	8.4	(0.8)	c	c	c	c
	Israel	30.0	(1.9)	21.8	(1.4)	23.1	(2.7)	27.0	(2.7)	19.7	(1.7)	11.6	(1.1)	12.2	(1.9)	11.6	(3.0)
	Jordan	47.1	(1.4)	38.3	(1.3)	36.7	(3.3)	c	c	29.5	(1.1)	22.5	(1.1)	21.3	(3.0)	c	c
	Kyrgyzstan	68.1	(1.1)	51.4	(2.7)	c	c	c	c	44.5	(1.0)	26.2	(2.2)	c	c	c	c
	Latvia	18.6	(2.0)	17.7	(0.9)	22.5	(1.8)	28.7	(3.7)	7.3	(1.1)	4.2	(0.5)	6.3	(1.0)	9.8	(2.6)
	Liechtenstein	14.3	(5.7)	13.3	(2.5)	13.4	(4.9)	19.4	(7.1)	2.4	(2.4)	3.6	(1.5)	4.5	(2.8)	5.2	(3.9)
	Lithuania	29.2	(1.9)	26.0	(0.9)	24.6	(1.5)	25.1	(3.4)	9.6	(1.2)	5.5	(0.5)	6.4	(1.1)	10.3	(2.6)
	Macao-China	18.4	(2.1)	18.7	(0.8)	26.7	(2.2)	36.3	(4.7)	10.3	(1.7)	7.3	(0.6)	11.8	(1.4)	17.7	(3.9)
	Montenegro	38.8	(1.3)	38.6	(1.2)	43.6	(5.4)	c	c	15.6	(0.9)	15.5	(0.9)	22.1	(4.4)	c	c
	Qatar	33.4	(0.8)	26.2	(1.5)	c	c	c	c	25.9	(0.6)	17.7	(1.1)	c	c	c	c
	Romania	29.6	(1.6)	32.1	(1.6)	48.6	(5.0)	c	c	15.9	(1.0)	12.1	(0.9)	17.0	(3.1)	c	c
Russian Federation	32.5	(2.4)	35.4	(1.2)	42.6	(2.2)	49.0	(3.5)	20.7	(3.1)	18.1	(1.3)	17.7	(1.8)	23.1	(3.0)	
Serbia	37.3	(1.5)	34.9	(1.2)	47.3	(3.0)	c	c	12.2	(1.1)	8.9	(0.7)	12.3	(2.4)	c	c	
Slovenia	31.1	(1.9)	28.4	(1.0)	36.7	(1.9)	44.6	(3.0)	12.8	(1.7)	8.7	(0.7)	12.0	(1.6)	17.3	(2.4)	
Chinese Taipei	15.0	(1.6)	14.3	(0.9)	20.6	(1.2)	26.9	(1.9)	9.4	(1.2)	7.7	(0.6)	13.6	(0.8)	23.0	(1.4)	
Thailand	39.4	(1.0)	58.8	(1.2)	74.5	(3.3)	c	c	21.4	(1.1)	29.9	(1.1)	47.6	(5.0)	c	c	
Tunisia	45.1	(1.3)	41.5	(1.5)	c	c	c	c	35.4	(1.2)	28.3	(1.5)	c	c	c	c	
Uruguay	27.2	(1.3)	29.4	(1.1)	33.2	(3.7)	c	c	21.9	(1.2)	15.6	(0.9)	14.6	(2.5)	c	c	



[Part 2/3]

Table A3.3b Students' science-related activities (underlying percentages), by performance group

		Percentage of students who do the following things regularly or very often															
		Visit web sites about science topics						Listen to radio programmes about advances in science									
		Lowest performers		Moderate performers		Strong performers		Top performers		Lowest performers		Moderate performers		Strong performers		Top performers	
		%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.
OECD	Australia	6.5	(0.6)	8.1	(0.4)	13.7	(0.9)	22.7	(1.2)	4.3	(0.6)	2.8	(0.2)	3.8	(0.4)	6.2	(0.7)
	Austria	12.0	(1.8)	9.5	(0.8)	15.2	(1.4)	23.1	(3.0)	11.4	(1.3)	8.1	(0.7)	7.1	(1.0)	8.3	(1.5)
	Belgium	12.2	(1.6)	10.6	(0.7)	16.0	(1.2)	24.0	(2.0)	11.1	(1.1)	6.3	(0.6)	7.0	(0.6)	8.6	(1.2)
	Canada	9.9	(1.3)	8.9	(0.5)	13.8	(1.0)	22.7	(1.5)	5.6	(0.9)	4.1	(0.4)	4.6	(0.5)	7.6	(0.8)
	Czech Republic	7.9	(1.5)	5.8	(0.6)	7.9	(1.0)	10.1	(1.5)	8.4	(1.4)	3.6	(0.5)	2.4	(0.5)	3.7	(1.0)
	Denmark	7.7	(1.0)	8.0	(0.6)	14.5	(1.6)	24.9	(3.1)	6.4	(0.9)	4.6	(0.5)	6.5	(0.9)	6.8	(2.1)
	Finland	4.3	(1.6)	2.6	(0.4)	4.7	(0.6)	8.4	(1.1)	5.8	(1.7)	2.4	(0.4)	2.4	(0.4)	3.0	(0.6)
	France	9.9	(1.1)	10.7	(0.9)	17.0	(1.5)	21.9	(2.4)	9.9	(1.1)	5.6	(0.5)	7.0	(0.9)	9.6	(1.9)
	Germany	10.8	(1.6)	11.5	(0.8)	16.8	(1.3)	21.9	(2.4)	11.3	(1.4)	6.5	(0.6)	5.5	(0.9)	7.6	(1.0)
	Greece	15.1	(1.4)	14.5	(0.7)	23.2	(2.0)	31.7	(4.1)	15.7	(1.3)	8.2	(0.5)	8.6	(1.3)	9.7	(3.0)
	Hungary	11.9	(1.8)	11.4	(0.7)	17.4	(1.3)	24.9	(3.2)	7.9	(1.4)	6.3	(0.6)	7.6	(1.1)	7.4	(1.8)
	Iceland	6.3	(1.1)	10.4	(0.9)	19.1	(1.9)	30.0	(3.6)	4.3	(0.9)	2.7	(0.4)	3.1	(0.7)	4.3	(1.8)
	Ireland	8.7	(1.3)	6.9	(0.5)	11.1	(1.3)	13.3	(1.9)	4.6	(0.8)	4.3	(0.5)	6.2	(0.8)	7.6	(1.6)
	Italy	14.4	(0.9)	16.5	(0.6)	21.7	(1.1)	29.1	(2.3)	9.7	(0.8)	8.2	(0.5)	6.6	(0.8)	7.1	(1.3)
	Japan	4.0	(0.9)	4.1	(0.4)	5.8	(0.7)	9.6	(1.1)	2.7	(0.8)	1.2	(0.2)	0.8	(0.3)	0.9	(0.4)
	Korea	3.9	(1.0)	4.2	(0.5)	7.6	(1.0)	10.1	(2.4)	2.8	(0.7)	1.4	(0.3)	1.4	(0.4)	1.3	(0.5)
	Luxembourg	12.8	(1.0)	12.0	(0.6)	17.8	(1.6)	26.6	(2.9)	10.8	(1.0)	6.8	(0.6)	7.2	(1.0)	8.2	(2.1)
	Mexico	30.9	(1.1)	31.0	(0.9)	43.6	(3.1)	c	c	30.6	(1.3)	18.5	(0.8)	15.2	(2.2)	c	c
	Netherlands	11.4	(1.9)	7.7	(0.8)	12.1	(1.4)	20.8	(2.1)	13.5	(2.3)	4.3	(0.5)	3.3	(0.7)	5.2	(1.1)
	New Zealand	9.2	(1.4)	7.1	(0.7)	10.1	(1.2)	18.1	(1.4)	5.0	(1.0)	2.1	(0.4)	2.6	(0.7)	5.2	(1.0)
	Norway	13.6	(1.4)	12.3	(0.7)	19.6	(2.3)	30.7	(3.6)	7.3	(1.0)	5.1	(0.5)	5.9	(1.0)	7.1	(1.8)
	Poland	19.2	(1.5)	18.3	(0.8)	22.8	(1.7)	26.0	(2.6)	22.3	(1.6)	14.8	(0.7)	14.1	(1.4)	14.8	(2.3)
	Portugal	17.0	(1.4)	19.1	(0.9)	28.5	(1.9)	36.8	(5.7)	13.4	(1.2)	9.2	(0.7)	8.4	(1.5)	9.3	(3.5)
	Slovak Republic	8.0	(1.5)	6.7	(0.6)	8.8	(1.1)	12.4	(2.4)	11.0	(1.7)	6.1	(0.6)	5.4	(1.1)	7.5	(2.0)
	Spain	7.8	(0.8)	9.3	(0.5)	14.0	(1.0)	22.5	(2.1)	4.7	(0.7)	4.4	(0.3)	5.0	(0.9)	6.9	(2.0)
	Sweden	4.3	(0.9)	4.4	(0.5)	6.6	(1.1)	10.3	(1.8)	2.9	(0.7)	2.4	(0.3)	2.4	(0.6)	5.3	(1.3)
	Switzerland	11.1	(1.4)	8.1	(0.5)	13.3	(1.0)	23.2	(1.9)	9.7	(1.2)	6.1	(0.6)	7.3	(1.0)	9.2	(1.5)
	Turkey	16.8	(1.2)	24.1	(1.2)	38.1	(3.5)	c	c	15.8	(1.1)	14.8	(0.8)	15.7	(3.0)	c	c
United Kingdom	9.1	(1.0)	9.4	(0.6)	13.8	(1.1)	20.0	(1.4)	3.5	(0.6)	1.6	(0.3)	2.7	(0.5)	4.9	(0.8)	
United States	11.4	(1.1)	10.8	(0.7)	15.2	(1.6)	22.4	(2.4)	9.2	(1.1)	2.5	(0.4)	4.0	(0.7)	6.4	(1.5)	
OECD average	10.0	(0.2)	9.6	(0.1)	14.6	(0.3)	21.4	(0.5)	8.4	(0.2)	5.1	(0.1)	5.3	(0.2)	6.8	(0.3)	
Partners	Argentina	23.2	(1.2)	20.2	(1.5)	21.8	(4.8)	c	c	20.9	(1.2)	10.4	(1.0)	6.9	(3.2)	c	c
	Azerbaijan	25.6	(1.0)	24.1	(1.8)	c	c	c	c	39.6	(1.0)	39.9	(1.5)	c	c	c	c
	Brazil	20.1	(0.9)	21.3	(1.1)	29.7	(3.5)	c	c	24.5	(1.0)	13.1	(1.0)	7.1	(2.4)	c	c
	Bulgaria	30.3	(1.3)	32.6	(1.4)	34.5	(2.3)	37.4	(6.2)	21.9	(1.4)	15.0	(0.8)	11.8	(1.9)	10.9	(4.0)
	Chile	26.7	(1.4)	29.5	(1.1)	36.6	(3.3)	c	c	17.0	(1.2)	13.0	(1.0)	8.1	(1.4)	c	c
	Colombia	35.0	(1.3)	35.7	(1.6)	c	c	c	c	37.2	(1.2)	27.0	(1.6)	c	c	c	c
	Croatia	9.6	(1.1)	10.5	(0.6)	16.7	(1.5)	23.7	(2.8)	12.1	(1.5)	7.4	(0.5)	7.8	(0.9)	8.4	(1.9)
	Estonia	23.5	(2.7)	18.3	(0.9)	17.8	(1.3)	22.0	(1.9)	15.0	(3.2)	9.9	(0.8)	8.6	(0.9)	8.8	(1.3)
	Hong Kong-China	7.8	(1.7)	9.0	(0.7)	12.8	(1.0)	22.6	(1.6)	7.2	(1.8)	7.7	(0.7)	7.4	(1.0)	9.4	(1.0)
	Indonesia	6.1	(0.5)	5.0	(0.8)	c	c	c	c	17.1	(0.9)	11.9	(1.0)	c	c	c	c
	Israel	22.3	(1.5)	18.2	(1.2)	19.8	(2.4)	22.4	(3.8)	20.8	(1.6)	13.2	(1.1)	8.8	(1.5)	5.9	(2.2)
	Jordan	31.5	(1.2)	29.2	(1.1)	36.8	(3.4)	c	c	41.7	(1.2)	35.5	(1.2)	31.5	(3.6)	c	c
	Kyrgyzstan	30.4	(0.9)	16.1	(2.2)	c	c	c	c	62.4	(1.0)	37.7	(2.5)	c	c	c	c
	Latvia	12.9	(1.8)	9.9	(0.8)	10.0	(1.5)	14.8	(2.9)	15.3	(1.6)	9.4	(0.8)	6.7	(1.0)	6.3	(1.9)
	Liechtenstein	5.0	(3.4)	5.6	(1.7)	8.4	(3.4)	17.3	(6.4)	6.9	(4.0)	5.9	(2.1)	6.9	(3.3)	3.4	(3.3)
	Lithuania	15.1	(1.4)	13.8	(0.7)	16.5	(1.6)	18.9	(3.4)	13.9	(1.2)	8.6	(0.7)	6.3	(1.1)	4.2	(1.4)
	Macao-China	12.6	(1.9)	8.8	(0.8)	14.0	(1.5)	17.8	(3.6)	10.0	(1.4)	8.1	(0.6)	9.8	(1.2)	11.4	(2.7)
	Montenegro	20.4	(1.0)	20.0	(1.1)	21.0	(4.6)	c	c	30.9	(1.2)	23.0	(1.1)	16.0	(3.9)	c	c
	Qatar	30.7	(0.7)	28.6	(1.6)	c	c	c	c	21.6	(0.5)	12.5	(1.2)	c	c	c	c
	Romania	18.1	(1.1)	19.6	(1.1)	32.1	(4.2)	c	c	18.6	(1.7)	13.3	(0.9)	11.6	(4.6)	c	c
	Russian Federation	19.1	(3.2)	13.4	(1.2)	13.6	(1.9)	16.3	(3.1)	23.5	(3.2)	20.2	(1.4)	17.7	(1.6)	18.7	(2.4)
	Serbia	12.1	(0.9)	10.7	(0.8)	16.3	(2.1)	c	c	24.6	(1.2)	15.8	(0.9)	13.9	(2.3)	c	c
	Slovenia	17.1	(2.3)	13.2	(0.9)	17.0	(1.9)	24.0	(2.5)	17.0	(2.1)	9.5	(0.6)	8.1	(1.0)	9.0	(1.6)
	Chinese Taipei	11.6	(1.4)	10.3	(0.5)	14.0	(0.8)	17.8	(1.0)	10.9	(1.3)	6.4	(0.5)	7.1	(0.7)	6.7	(0.8)
	Thailand	17.7	(1.0)	26.2	(1.0)	38.9	(4.3)	c	c	25.8	(1.1)	23.4	(0.8)	20.7	(3.6)	c	c
	Tunisia	26.4	(1.1)	23.6	(1.6)	c	c	c	c	42.3	(1.1)	36.6	(1.4)	c	c	c	c
	Uruguay	16.0	(1.1)	12.8	(1.0)	14.2	(2.3)	c	c	12.1	(1.0)	6.0	(0.6)	3.7	(1.1)	c	c

[Part 3/3]

Table A3.3b Students' science-related activities (underlying percentages), by performance group

		Percentage of students who do the following things regularly or very often															
		Read science magazines or science articles in newspapers						Attend a science club									
		Lowest performers		Moderate performers		Strong performers		Top performers		Lowest performers		Moderate performers		Strong performers		Top performers	
		%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.
OECD	Australia	6.3	(0.7)	6.1	(0.4)	11.4	(1.0)	21.8	(1.5)	1.8	(0.4)	1.2	(0.2)	1.1	(0.3)	1.4	(0.3)
	Austria	17.7	(1.8)	18.1	(1.1)	29.5	(1.6)	43.0	(2.2)	4.9	(1.0)	1.6	(0.3)	1.2	(0.5)	2.3	(0.7)
	Belgium	12.3	(1.0)	14.6	(0.9)	26.9	(1.5)	42.7	(2.1)	4.3	(0.9)	1.2	(0.2)	0.6	(0.2)	0.4	(0.3)
	Canada	9.9	(1.4)	10.4	(0.6)	16.7	(0.9)	28.4	(1.4)	3.5	(0.8)	1.1	(0.2)	0.8	(0.2)	1.8	(0.6)
	Czech Republic	13.3	(1.7)	11.7	(0.9)	17.3	(1.4)	27.2	(2.1)	6.7	(1.3)	3.0	(0.4)	3.9	(0.8)	5.2	(0.9)
	Denmark	9.7	(1.2)	14.7	(0.8)	30.2	(2.0)	42.1	(4.0)	3.1	(0.7)	1.3	(0.3)	1.6	(0.5)	0.4	(0.6)
	Finland	8.4	(2.4)	9.4	(0.7)	16.8	(1.2)	32.3	(1.9)	3.1	(1.4)	0.5	(0.2)	0.3	(0.2)	0.5	(0.2)
	France	15.4	(1.5)	17.0	(0.9)	30.6	(1.9)	50.2	(3.4)	3.2	(0.7)	0.8	(0.3)	1.4	(0.5)	1.3	(0.8)
	Germany	14.3	(1.7)	16.5	(0.9)	26.5	(1.3)	40.9	(2.5)	5.1	(0.9)	3.3	(0.4)	4.2	(0.7)	4.9	(1.0)
	Greece	24.2	(1.6)	32.0	(1.1)	52.4	(1.9)	59.7	(5.6)	17.5	(1.6)	16.6	(1.0)	20.4	(2.1)	23.9	(4.0)
	Hungary	19.0	(2.6)	21.3	(1.2)	30.7	(1.9)	41.3	(4.6)	13.2	(1.9)	7.3	(0.7)	8.2	(1.2)	17.7	(2.9)
	Iceland	14.1	(1.6)	24.3	(1.3)	44.0	(2.0)	64.9	(3.7)	3.0	(0.6)	0.7	(0.2)	0.4	(0.3)	0.5	(0.5)
	Ireland	7.2	(1.2)	7.8	(0.6)	15.2	(1.2)	23.4	(2.0)	2.1	(0.6)	1.1	(0.2)	0.8	(0.4)	0.6	(0.5)
	Italy	21.8	(1.2)	30.5	(0.8)	43.7	(1.6)	53.9	(2.3)	8.7	(0.8)	3.6	(0.3)	2.7	(0.6)	3.5	(1.3)
	Japan	5.5	(1.1)	5.3	(0.6)	8.6	(0.8)	15.8	(1.4)	3.1	(0.9)	1.8	(0.3)	1.1	(0.4)	1.8	(0.6)
	Korea	6.4	(1.2)	11.0	(0.7)	23.3	(1.7)	35.1	(3.3)	2.4	(0.7)	3.2	(0.4)	6.9	(1.3)	9.9	(3.7)
	Luxembourg	16.1	(1.3)	17.5	(0.9)	32.0	(2.0)	46.8	(3.2)	6.5	(0.9)	2.4	(0.4)	2.2	(0.6)	4.2	(1.4)
	Mexico	40.3	(1.2)	43.9	(1.1)	61.1	(3.6)	c	c	13.2	(0.9)	3.9	(0.5)	3.1	(1.2)	c	c
	Netherlands	16.1	(2.7)	9.0	(0.7)	16.7	(1.3)	31.7	(2.0)	8.3	(1.5)	2.3	(0.4)	1.7	(0.5)	2.3	(0.9)
	New Zealand	9.4	(1.4)	5.5	(0.6)	10.2	(1.2)	21.2	(1.5)	1.7	(0.6)	1.1	(0.3)	1.0	(0.4)	1.3	(0.5)
	Norway	11.5	(1.4)	13.6	(0.8)	26.7	(2.0)	40.4	(2.9)	7.1	(1.0)	3.8	(0.4)	3.9	(0.8)	4.7	(1.6)
Poland	25.4	(1.8)	28.7	(1.0)	38.4	(2.0)	49.7	(3.6)	9.1	(1.2)	10.0	(0.7)	12.4	(1.4)	19.4	(2.6)	
Portugal	20.2	(1.6)	28.3	(1.0)	46.8	(1.9)	58.0	(5.6)	8.7	(1.1)	3.5	(0.5)	2.8	(0.8)	2.2	(1.8)	
Slovak Republic	15.9	(2.2)	17.8	(1.0)	26.6	(1.8)	32.6	(2.9)	4.5	(1.1)	3.2	(0.5)	3.4	(1.0)	3.8	(1.4)	
Spain	9.3	(1.0)	14.3	(0.6)	26.8	(1.3)	38.0	(2.9)	5.1	(0.8)	4.4	(0.4)	5.3	(0.8)	6.6	(1.5)	
Sweden	4.8	(1.0)	8.7	(0.8)	19.1	(1.6)	34.1	(2.7)	1.9	(0.6)	1.1	(0.3)	1.5	(0.5)	1.1	(0.6)	
Switzerland	13.7	(1.3)	16.4	(0.8)	25.8	(1.2)	40.5	(2.2)	8.6	(1.2)	3.2	(0.4)	3.8	(0.6)	6.4	(1.4)	
Turkey	25.6	(1.2)	36.0	(1.2)	57.2	(3.6)	c	c	11.1	(0.9)	9.6	(0.7)	12.5	(2.9)	c	c	
United Kingdom	5.1	(0.8)	4.7	(0.5)	9.4	(0.9)	19.7	(1.4)	3.7	(0.8)	2.7	(0.5)	2.2	(0.4)	3.0	(0.8)	
United States	14.2	(1.2)	12.1	(0.9)	19.2	(1.8)	31.6	(2.7)	5.7	(0.9)	3.4	(0.6)	3.6	(0.8)	5.0	(1.1)	
OECD average	13.1	(0.3)	15.3	(0.2)	25.8	(0.3)	38.1	(0.6)	5.6	(0.2)	3.2	(0.1)	3.5	(0.1)	4.9	(0.3)	
Partners	Argentina	33.9	(1.3)	35.0	(1.6)	46.3	(4.6)	c	c	13.2	(1.5)	4.9	(0.6)	3.4	(1.7)	c	c
	Azerbaijan	43.5	(1.3)	48.6	(1.9)	c	c	c	c	34.0	(1.4)	32.5	(2.3)	c	c	c	c
	Brazil	37.8	(1.1)	40.1	(1.3)	52.4	(4.8)	c	c	18.7	(1.0)	7.1	(1.0)	4.6	(1.9)	c	c
	Bulgaria	27.3	(1.3)	34.6	(1.3)	44.3	(2.9)	54.3	(4.9)	13.7	(1.4)	7.3	(0.9)	10.0	(2.0)	14.3	(4.2)
	Chile	24.1	(1.2)	31.2	(1.1)	44.0	(3.2)	c	c	13.0	(1.2)	7.1	(0.6)	6.3	(2.0)	c	c
	Colombia	52.7	(1.6)	55.2	(2.1)	c	c	c	c	18.3	(1.3)	9.2	(1.3)	c	c	c	c
	Croatia	22.0	(1.5)	29.1	(0.9)	43.4	(2.1)	57.2	(3.3)	8.2	(1.3)	2.6	(0.3)	2.0	(0.6)	3.1	(1.2)
	Estonia	22.2	(3.1)	19.2	(0.9)	24.8	(1.4)	30.3	(2.1)	8.4	(2.3)	6.2	(0.6)	6.7	(1.0)	8.4	(1.5)
	Hong Kong-China	11.3	(2.1)	12.9	(0.8)	19.6	(1.2)	33.3	(2.0)	6.1	(1.6)	6.7	(0.6)	8.5	(0.9)	13.9	(1.3)
	Indonesia	17.2	(0.8)	20.7	(1.8)	c	c	c	c	10.3	(0.7)	7.9	(1.1)	c	c	c	c
	Israel	25.3	(1.2)	25.0	(1.3)	29.3	(2.5)	33.7	(4.5)	16.4	(1.5)	9.9	(0.9)	9.3	(1.4)	5.9	(1.9)
	Jordan	45.6	(1.3)	45.6	(1.3)	52.7	(3.7)	c	c	26.8	(1.1)	17.7	(1.0)	18.1	(3.6)	c	c
	Kyrgyzstan	64.1	(0.9)	52.1	(2.5)	c	c	c	c	36.5	(1.0)	12.0	(1.7)	c	c	c	c
	Latvia	17.9	(2.3)	17.6	(1.2)	25.3	(2.1)	39.1	(3.9)	4.2	(0.7)	2.2	(0.4)	2.9	(0.8)	4.8	(1.7)
	Liechtenstein	17.4	(6.7)	13.8	(2.9)	16.7	(5.6)	30.0	(9.0)	2.8	(2.8)	2.5	(1.2)	2.9	(2.1)	3.0	(2.6)
	Lithuania	18.2	(1.4)	16.3	(0.8)	19.5	(1.9)	25.6	(3.0)	5.3	(0.9)	3.3	(0.4)	3.9	(0.8)	4.5	(1.7)
	Macao-China	16.4	(2.0)	16.5	(0.8)	26.7	(2.1)	35.9	(3.7)	6.1	(1.6)	3.4	(0.4)	4.5	(0.8)	7.9	(1.8)
	Montenegro	38.1	(1.2)	40.4	(1.2)	49.8	(4.7)	c	c	11.6	(0.7)	3.6	(0.5)	1.6	(1.7)	c	c
	Qatar	34.8	(0.7)	38.7	(1.6)	c	c	c	c	17.5	(0.5)	6.2	(1.0)	c	c	c	c
	Romania	29.8	(1.4)	37.5	(1.2)	48.7	(5.2)	c	c	12.0	(1.1)	5.2	(0.9)	3.6	(1.8)	c	c
	Russian Federation	29.4	(2.9)	31.4	(1.2)	34.9	(2.6)	43.1	(4.4)	14.4	(2.8)	8.0	(1.2)	7.0	(1.3)	9.3	(2.2)
Serbia	24.5	(1.1)	26.8	(1.0)	39.6	(3.0)	c	c	7.8	(0.6)	5.3	(0.5)	9.7	(2.2)	c	c	
Slovenia	18.2	(1.9)	19.4	(0.9)	31.0	(1.8)	41.1	(2.3)	12.8	(2.1)	7.1	(0.6)	8.7	(1.0)	15.8	(1.8)	
Chinese Taipei	14.3	(1.7)	15.1	(0.8)	25.7	(1.1)	38.1	(1.8)	10.8	(1.4)	5.6	(0.5)	7.3	(0.7)	10.4	(1.1)	
Thailand	33.5	(1.2)	46.1	(1.1)	64.5	(3.9)	c	c	34.4	(1.3)	38.3	(1.3)	39.1	(3.6)	c	c	
Tunisia	48.7	(1.2)	49.1	(1.6)	c	c	c	c	29.4	(1.2)	17.4	(1.3)	c	c	c	c	
Uruguay	21.0	(1.4)	21.4	(0.9)	29.4	(3.5)	c	c	8.3	(0.8)	3.6	(0.5)	1.9	(0.7)	c	c	



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Table A3.3c Parents' report of students' science activities at age 10

	Lowest performers		Moderate performers		Strong performers		Top performers		Difference in the mean index between the strong performers and top performers	
	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Dif.	S.E.
OECD										
Denmark	-0.25	(0.05)	-0.06	(0.03)	0.19	(0.05)	0.41	(0.07)	-0.22	(0.09)
Germany	-0.29	(0.04)	-0.20	(0.02)	-0.02	(0.03)	0.20	(0.04)	-0.22	(0.05)
Iceland	-0.79	(0.06)	-0.51	(0.04)	-0.10	(0.05)	0.26	(0.08)	-0.35	(0.10)
Italy	0.07	(0.03)	0.19	(0.02)	0.31	(0.03)	0.54	(0.05)	-0.23	(0.06)
Korea	-0.21	(0.05)	0.00	(0.03)	0.22	(0.03)	0.46	(0.06)	-0.23	(0.07)
Luxembourg	-0.30	(0.04)	-0.05	(0.02)	0.29	(0.04)	0.57	(0.07)	-0.28	(0.08)
New Zealand	-0.25	(0.07)	-0.06	(0.03)	0.16	(0.04)	0.40	(0.03)	-0.25	(0.06)
Poland	m	m	m	m	m	m	m	m	m	m
Portugal	-0.49	(0.05)	-0.06	(0.03)	0.30	(0.05)	0.60	(0.09)	-0.30	(0.11)
Turkey	-0.06	(0.03)	0.17	(0.03)	0.58	(0.08)	c	c	c	c
Partners										
Bulgaria	0.31	(0.05)	0.49	(0.02)	0.68	(0.04)	0.76	(0.07)	-0.08	(0.09)
Colombia	0.26	(0.03)	0.51	(0.04)	0.70	(0.27)	c	c	c	c
Croatia	-0.04	(0.05)	0.14	(0.02)	0.42	(0.04)	0.64	(0.07)	-0.22	(0.09)
Hong Kong-China	-0.15	(0.09)	0.01	(0.03)	0.21	(0.03)	0.44	(0.04)	-0.23	(0.05)
Macao-China	-0.19	(0.06)	-0.10	(0.02)	0.09	(0.04)	0.16	(0.08)	-0.08	(0.11)
Qatar	0.45	(0.02)	0.57	(0.04)	0.85	(0.09)	c	c	c	c

Note: Values that are statistically significant are indicated in bold (see Annex B).

[Part 1/1]

Table A3.4a General interest in science (mean index), by performance group

	Lowest performers		Moderate performers		Strong performers		Top performers		Differences in the mean index between strong performers and top performers	
	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Dif.	S.E.
	OECD									
Australia	-0.72	(0.05)	-0.37	(0.02)	0.01	(0.02)	0.30	(0.02)	-0.29	(0.03)
Austria	-0.26	(0.04)	-0.01	(0.02)	0.25	(0.03)	0.42	(0.05)	-0.18	(0.06)
Belgium	-0.43	(0.07)	-0.08	(0.02)	0.30	(0.02)	0.58	(0.03)	-0.28	(0.04)
Canada	-0.32	(0.04)	-0.01	(0.02)	0.25	(0.02)	0.48	(0.03)	-0.23	(0.04)
Czech Republic	-0.25	(0.07)	-0.08	(0.02)	0.08	(0.03)	0.22	(0.03)	-0.15	(0.04)
Denmark	-0.61	(0.05)	-0.23	(0.02)	0.19	(0.04)	0.45	(0.07)	-0.27	(0.09)
Finland	-0.80	(0.12)	-0.51	(0.03)	-0.13	(0.02)	0.22	(0.03)	-0.36	(0.04)
France	-0.25	(0.04)	0.14	(0.03)	0.54	(0.03)	0.82	(0.05)	-0.28	(0.07)
Germany	-0.18	(0.07)	0.12	(0.02)	0.37	(0.03)	0.56	(0.04)	-0.18	(0.06)
Greece	-0.12	(0.04)	0.21	(0.02)	0.56	(0.04)	0.69	(0.10)	-0.13	(0.11)
Hungary	-0.27	(0.06)	-0.13	(0.02)	0.08	(0.03)	0.34	(0.06)	-0.26	(0.07)
Iceland	-0.69	(0.05)	-0.19	(0.03)	0.30	(0.04)	0.59	(0.06)	-0.28	(0.07)
Ireland	-0.71	(0.06)	-0.23	(0.03)	0.21	(0.03)	0.46	(0.05)	-0.25	(0.06)
Italy	-0.02	(0.02)	0.18	(0.01)	0.39	(0.02)	0.58	(0.04)	-0.19	(0.04)
Japan	-0.83	(0.06)	-0.24	(0.03)	0.09	(0.03)	0.38	(0.03)	-0.30	(0.04)
Korea	-0.85	(0.06)	-0.37	(0.02)	0.06	(0.02)	0.29	(0.04)	-0.22	(0.04)
Luxembourg	-0.14	(0.04)	0.12	(0.02)	0.38	(0.03)	0.60	(0.06)	-0.21	(0.06)
Mexico	0.72	(0.03)	0.80	(0.02)	0.83	(0.04)	c	c	c	c
Netherlands	-0.62	(0.09)	-0.51	(0.03)	-0.17	(0.03)	0.21	(0.04)	-0.38	(0.05)
New Zealand	-0.45	(0.05)	-0.24	(0.03)	0.06	(0.03)	0.30	(0.03)	-0.24	(0.04)
Norway	-0.58	(0.07)	-0.05	(0.03)	0.41	(0.04)	0.65	(0.08)	-0.24	(0.10)
Poland	-0.10	(0.03)	0.01	(0.02)	0.21	(0.03)	0.41	(0.04)	-0.20	(0.05)
Portugal	-0.04	(0.04)	0.14	(0.02)	0.47	(0.04)	0.71	(0.08)	-0.23	(0.08)
Slovak Republic	-0.36	(0.06)	-0.13	(0.02)	0.12	(0.03)	0.23	(0.06)	-0.12	(0.06)
Spain	-0.52	(0.04)	-0.21	(0.02)	0.13	(0.02)	0.36	(0.04)	-0.23	(0.04)
Sweden	-0.68	(0.08)	-0.17	(0.03)	0.15	(0.04)	0.46	(0.04)	-0.31	(0.05)
Switzerland	-0.44	(0.04)	-0.08	(0.02)	0.27	(0.02)	0.49	(0.03)	-0.22	(0.04)
Turkey	0.04	(0.03)	0.34	(0.03)	0.68	(0.06)	c	c	c	c
United Kingdom	-0.35	(0.04)	-0.09	(0.02)	0.16	(0.03)	0.40	(0.03)	-0.24	(0.04)
United States	-0.08	(0.07)	-0.05	(0.02)	0.19	(0.03)	0.40	(0.04)	-0.21	(0.05)
OECD average	-0.42	(0.01)	-0.11	(0.00)	0.21	(0.01)	0.45	(0.01)	-0.24	(0.01)
Partners										
Argentina	0.24	(0.03)	0.20	(0.03)	0.25	(0.09)	c	c	c	c
Azerbaijan	0.54	(0.03)	0.78	(0.04)	c	c	c	c	c	c
Brazil	0.51	(0.02)	0.51	(0.03)	0.57	(0.09)	c	c	c	c
Bulgaria	0.08	(0.03)	0.22	(0.02)	0.36	(0.04)	0.44	(0.08)	-0.08	(0.10)
Chile	0.33	(0.03)	0.34	(0.03)	0.50	(0.04)	c	c	c	c
Colombia	1.20	(0.03)	1.07	(0.03)	c	c	c	c	c	c
Croatia	-0.08	(0.04)	0.16	(0.02)	0.36	(0.04)	0.49	(0.06)	-0.13	(0.07)
Estonia	0.01	(0.06)	0.13	(0.02)	0.27	(0.03)	0.42	(0.03)	-0.15	(0.05)
Hong Kong-China	-0.42	(0.09)	0.04	(0.03)	0.37	(0.03)	0.63	(0.03)	-0.26	(0.04)
Indonesia	0.49	(0.02)	0.65	(0.03)	c	c	c	c	c	c
Israel	-0.43	(0.06)	-0.21	(0.04)	0.11	(0.06)	0.21	(0.09)	-0.10	(0.12)
Jordan	0.52	(0.03)	0.77	(0.02)	1.01	(0.06)	c	c	c	c
Kyrgyzstan	0.93	(0.02)	0.74	(0.04)	c	c	c	c	c	c
Latvia	0.14	(0.04)	0.14	(0.02)	0.23	(0.03)	0.35	(0.07)	-0.12	(0.08)
Liechtenstein	-0.25	(0.22)	-0.22	(0.10)	0.14	(0.10)	0.40	(0.18)	-0.26	(0.23)
Lithuania	0.19	(0.03)	0.32	(0.02)	0.53	(0.03)	0.66	(0.07)	-0.13	(0.08)
Macao-China	-0.22	(0.05)	0.03	(0.02)	0.33	(0.03)	0.54	(0.08)	-0.21	(0.09)
Montenegro	0.30	(0.03)	0.52	(0.03)	0.77	(0.11)	c	c	c	c
Qatar	0.23	(0.02)	0.49	(0.03)	c	c	c	c	c	c
Romania	0.27	(0.04)	0.47	(0.02)	0.56	(0.06)	c	c	c	c
Russian Federation	0.20	(0.04)	0.29	(0.02)	0.33	(0.03)	0.40	(0.06)	-0.08	(0.07)
Serbia	0.19	(0.03)	0.28	(0.02)	0.45	(0.05)	c	c	c	c
Slovenia	-0.27	(0.04)	-0.04	(0.02)	0.18	(0.03)	0.36	(0.05)	-0.18	(0.06)
Chinese Taipei	-0.46	(0.06)	-0.04	(0.02)	0.31	(0.02)	0.50	(0.02)	-0.19	(0.03)
Thailand	0.66	(0.03)	0.89	(0.02)	1.07	(0.07)	c	c	c	c
Tunisia	0.66	(0.02)	0.95	(0.03)	c	c	c	c	c	c
Uruguay	0.26	(0.03)	0.23	(0.03)	0.30	(0.05)	c	c	c	c

Note: Values that are statistically significant are indicated in bold (see Annex B).



[Part 1/4]

Table A3.4b General interest in science (underlying percentages), by performance group

	Percentage of students reporting high or medium interest in the following																
	Topics in physics						Topics in chemistry										
	Lowest performers		Moderate performers		Strong performers		Top performers		Lowest performers		Moderate performers		Strong performers		Top performers		
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	
OECD	Australia	31.3	(1.6)	37.2	(0.9)	51.5	(1.2)	66.2	(1.5)	31.5	(1.6)	40.2	(0.8)	55.3	(1.1)	72.2	(1.7)
	Austria	45.2	(1.8)	44.6	(1.3)	54.5	(2.0)	66.7	(2.8)	43.2	(2.1)	44.1	(1.2)	50.8	(1.9)	58.4	(2.7)
	Belgium	44.0	(1.9)	46.5	(1.0)	58.8	(1.3)	71.8	(1.9)	36.7	(2.5)	46.5	(1.1)	61.6	(1.4)	76.8	(2.1)
	Canada	42.6	(2.1)	49.9	(1.0)	61.8	(1.4)	74.8	(1.5)	46.8	(2.0)	57.7	(0.9)	70.7	(1.1)	82.8	(1.8)
	Czech Republic	41.9	(3.0)	45.2	(1.6)	50.0	(2.2)	55.0	(2.5)	38.5	(2.9)	35.8	(1.5)	43.2	(2.5)	52.5	(2.8)
	Denmark	38.5	(2.0)	48.3	(1.2)	65.3	(2.1)	77.9	(3.0)	37.9	(2.1)	50.4	(1.3)	67.5	(2.1)	77.9	(3.3)
	Finland	25.8	(3.8)	29.7	(1.3)	43.6	(1.9)	63.2	(2.0)	30.3	(4.7)	35.2	(1.4)	46.7	(1.8)	63.6	(1.8)
	France	54.6	(1.4)	62.9	(1.2)	74.3	(1.8)	84.6	(2.1)	42.6	(1.7)	56.2	(1.2)	75.5	(1.6)	83.6	(2.4)
	Germany	47.3	(2.6)	51.2	(1.3)	62.7	(1.8)	74.2	(2.1)	47.8	(2.4)	56.5	(1.4)	63.1	(2.0)	73.4	(2.0)
	Greece	44.0	(2.1)	50.9	(1.3)	70.5	(2.7)	79.3	(5.1)	43.3	(2.3)	52.7	(1.2)	67.0	(2.2)	73.0	(4.6)
	Hungary	39.0	(2.7)	36.7	(1.3)	46.6	(2.1)	63.0	(3.2)	34.3	(2.6)	32.0	(1.2)	40.8	(2.1)	57.9	(3.5)
	Iceland	29.8	(1.9)	47.3	(1.4)	67.3	(2.3)	79.7	(3.2)	30.8	(2.1)	43.9	(1.5)	63.4	(2.0)	77.0	(3.4)
	Ireland	30.9	(2.1)	35.9	(1.3)	50.5	(1.7)	62.6	(3.0)	30.2	(2.0)	38.0	(1.3)	54.9	(2.7)	69.4	(3.5)
	Italy	39.8	(1.3)	41.9	(0.9)	54.2	(1.5)	67.8	(2.2)	36.3	(1.4)	44.6	(1.0)	59.2	(1.7)	74.0	(2.4)
	Japan	23.9	(1.8)	35.2	(1.2)	45.8	(1.4)	59.4	(2.2)	24.0	(1.9)	41.0	(1.6)	57.5	(1.9)	72.6	(1.6)
	Korea	19.2	(2.1)	25.7	(1.2)	38.4	(1.7)	51.7	(3.4)	19.9	(2.0)	35.8	(1.3)	55.6	(2.1)	67.8	(3.3)
	Luxembourg	47.8	(1.9)	52.4	(1.3)	66.3	(2.1)	77.3	(2.8)	46.4	(1.7)	56.1	(1.0)	72.2	(1.8)	81.6	(2.5)
	Mexico	76.2	(0.8)	73.9	(0.7)	78.6	(3.1)	c	c	72.5	(1.0)	74.7	(0.7)	80.4	(2.5)	c	c
	Netherlands	34.4	(2.6)	32.7	(1.2)	45.0	(1.9)	61.4	(2.6)	28.2	(3.2)	30.7	(1.2)	44.2	(2.1)	62.2	(2.8)
	New Zealand	39.5	(2.4)	42.5	(1.3)	55.3	(1.6)	66.1	(1.8)	40.2	(2.3)	47.1	(1.5)	62.1	(1.9)	75.2	(2.1)
	Norway	39.9	(2.0)	53.3	(1.2)	72.3	(2.0)	84.1	(3.0)	41.3	(1.8)	56.4	(1.1)	75.8	(1.6)	83.1	(2.5)
	Poland	27.6	(2.0)	33.2	(1.4)	44.0	(1.9)	59.6	(2.7)	31.6	(1.9)	38.3	(1.3)	54.2	(2.2)	68.1	(3.0)
	Portugal	63.7	(1.8)	52.6	(1.1)	64.8	(2.0)	78.8	(3.7)	53.1	(2.0)	51.5	(1.1)	69.2	(2.0)	85.1	(4.0)
	Slovak Republic	42.0	(3.0)	44.1	(1.5)	53.8	(1.9)	61.9	(4.1)	40.5	(2.5)	38.9	(1.3)	45.0	(1.9)	54.2	(3.3)
	Spain	26.4	(1.7)	30.1	(0.9)	51.4	(1.8)	65.9	(2.4)	22.2	(1.3)	32.7	(1.0)	51.0	(1.8)	67.8	(2.7)
	Sweden	30.6	(2.0)	44.0	(1.1)	60.0	(1.8)	75.9	(2.8)	32.3	(2.3)	46.8	(1.2)	61.3	(1.8)	78.7	(2.4)
	Switzerland	44.8	(1.7)	50.8	(1.2)	62.2	(1.7)	69.9	(2.2)	45.1	(1.7)	55.9	(0.9)	68.2	(1.6)	77.4	(1.6)
	Turkey	39.9	(1.5)	49.9	(1.7)	73.4	(3.0)	c	c	42.2	(1.6)	53.2	(1.6)	73.8	(3.1)	c	c
United Kingdom	42.3	(1.7)	47.6	(1.1)	55.2	(1.4)	68.0	(2.0)	45.1	(1.9)	50.5	(1.2)	60.0	(1.8)	74.4	(1.5)	
United States	48.2	(2.1)	46.7	(1.2)	59.6	(2.1)	71.5	(3.1)	47.6	(2.0)	51.9	(1.3)	66.0	(1.8)	77.0	(2.5)	
OECD average	38.8	(0.4)	43.5	(0.2)	56.6	(0.4)	69.2	(0.5)	37.4	(0.4)	45.3	(0.2)	59.4	(0.4)	72.1	(0.5)	
Partners	Argentina	57.0	(1.4)	50.7	(2.0)	57.9	(4.8)	c	c	53.2	(1.6)	51.7	(1.8)	55.3	(4.3)	c	c
	Azerbaijan	68.0	(1.3)	76.5	(1.7)	c	c	c	c	62.6	(1.4)	68.0	(1.9)	c	c	c	c
	Brazil	59.6	(0.8)	54.8	(1.5)	57.6	(4.1)	c	c	60.3	(1.1)	60.5	(1.4)	70.6	(5.1)	c	c
	Bulgaria	55.7	(2.0)	49.6	(1.7)	49.1	(2.9)	64.0	(4.7)	54.3	(1.7)	49.3	(1.5)	54.0	(3.0)	61.9	(4.8)
	Chile	62.7	(1.5)	60.3	(1.4)	66.7	(3.1)	c	c	65.1	(1.5)	63.4	(1.6)	68.9	(3.4)	c	c
	Colombia	81.5	(1.1)	78.2	(1.5)	c	c	c	c	83.5	(1.1)	82.5	(1.7)	c	c	c	c
	Croatia	33.7	(1.9)	36.2	(1.3)	44.6	(2.4)	56.6	(4.5)	35.2	(2.1)	37.7	(1.2)	48.9	(2.0)	63.0	(4.5)
	Estonia	47.4	(4.0)	47.9	(1.6)	57.9	(2.3)	68.2	(2.6)	42.6	(3.7)	45.8	(1.6)	52.9	(2.2)	63.3	(2.6)
	Hong Kong-China	36.1	(3.7)	48.0	(1.6)	62.8	(1.8)	78.2	(1.6)	32.1	(2.5)	47.0	(1.3)	61.4	(1.8)	76.4	(1.8)
	Indonesia	58.8	(1.3)	59.1	(1.6)	c	c	c	c	51.2	(1.3)	61.4	(1.5)	c	c	c	c
	Israel	37.6	(1.7)	42.4	(1.6)	58.0	(2.3)	68.7	(4.0)	37.9	(1.6)	43.3	(1.3)	57.2	(3.2)	63.7	(5.0)
	Jordan	65.3	(1.2)	70.9	(1.2)	83.1	(3.1)	c	c	66.6	(1.3)	75.9	(1.2)	87.1	(3.0)	c	c
	Kyrgyzstan	78.5	(0.9)	67.4	(2.8)	c	c	c	c	77.3	(0.8)	65.2	(2.2)	c	c	c	c
	Latvia	56.4	(2.8)	55.7	(1.3)	63.7	(2.8)	74.5	(4.3)	48.6	(2.2)	45.7	(1.6)	53.0	(2.8)	64.6	(4.5)
	Liechtenstein	44.7	(7.1)	43.5	(3.9)	37.2	(5.3)	51.1	(8.9)	43.8	(9.0)	50.7	(4.2)	56.2	(6.5)	62.3	(10.3)
	Lithuania	47.8	(1.8)	51.4	(1.3)	62.9	(2.4)	75.0	(4.3)	44.4	(1.9)	45.6	(1.3)	57.3	(2.1)	66.2	(3.7)
	Macao-China	35.8	(2.6)	45.5	(1.2)	59.7	(2.4)	75.3	(4.5)	31.2	(2.3)	43.7	(1.1)	57.8	(2.4)	71.1	(3.9)
	Montenegro	53.1	(1.3)	53.7	(1.4)	66.9	(6.3)	c	c	50.5	(1.2)	51.4	(1.4)	64.8	(5.7)	c	c
	Qatar	53.2	(0.7)	60.8	(1.5)	c	c	c	c	50.5	(0.8)	62.0	(1.6)	c	c	c	c
	Romania	52.6	(1.8)	60.3	(1.5)	72.9	(4.0)	c	c	46.1	(1.6)	49.3	(1.5)	53.3	(5.2)	c	c
	Russian Federation	50.0	(2.8)	50.0	(1.5)	54.4	(2.4)	65.2	(4.5)	45.8	(2.4)	45.7	(1.6)	50.3	(2.9)	56.1	(5.1)
	Serbia	44.4	(1.6)	38.9	(1.2)	47.1	(3.7)	c	c	44.8	(1.6)	42.5	(1.2)	54.9	(3.3)	c	c
	Slovenia	32.1	(2.2)	31.6	(1.0)	38.7	(1.7)	54.5	(2.8)	29.8	(2.0)	35.8	(1.2)	47.7	(2.0)	57.8	(2.9)
	Chinese Taipei	32.1	(2.3)	45.0	(1.2)	60.3	(1.2)	71.5	(1.7)	30.4	(2.2)	37.5	(1.1)	55.4	(1.4)	70.2	(1.7)
	Thailand	68.5	(1.3)	70.8	(0.9)	81.0	(3.1)	c	c	72.6	(1.2)	76.9	(1.1)	87.8	(3.2)	c	c
	Tunisia	76.5	(1.1)	83.3	(1.3)	c	c	c	c	59.6	(1.3)	77.2	(1.5)	c	c	c	c
	Uruguay	59.9	(1.5)	57.5	(1.4)	66.1	(2.8)	c	c	60.8	(1.6)	64.4	(1.4)	73.1	(2.8)	c	c

[Part 2/4]

Table A3.4b General interest in science (underlying percentages), by performance group

	Percentage of students reporting high or medium interest in the following																
	The biology of plants				Human biology												
	Lowest performers		Moderate performers		Strong performers		Top performers		Lowest performers		Moderate performers		Strong performers		Top performers		
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	
OECD	Australia	27.2	(1.4)	35.8	(0.8)	46.9	(1.1)	54.3	(1.3)	45.5	(1.6)	59.1	(0.9)	70.4	(1.2)	73.8	(1.3)
	Austria	51.7	(2.1)	54.1	(1.3)	58.0	(2.1)	57.5	(2.8)	70.0	(1.9)	75.4	(1.1)	79.6	(1.5)	78.2	(2.0)
	Belgium	36.4	(2.0)	46.5	(1.1)	56.3	(1.4)	63.3	(2.5)	57.6	(2.4)	72.3	(1.1)	80.5	(1.1)	85.5	(1.3)
	Canada	41.0	(1.6)	49.3	(0.9)	53.7	(1.3)	56.7	(1.8)	56.8	(1.9)	67.9	(0.9)	73.9	(1.1)	76.7	(1.3)
	Czech Republic	38.1	(3.0)	39.0	(1.6)	40.9	(2.2)	45.6	(2.7)	62.6	(2.6)	67.1	(1.3)	73.4	(2.1)	76.4	(2.2)
	Denmark	28.0	(2.0)	34.9	(1.1)	44.7	(2.2)	48.8	(3.8)	46.4	(2.1)	58.3	(1.2)	67.7	(2.2)	67.9	(3.6)
	Finland	20.6	(4.1)	26.0	(1.1)	35.2	(1.5)	44.0	(1.8)	53.2	(4.3)	61.7	(1.3)	69.2	(1.5)	72.5	(1.4)
	France	40.3	(2.0)	48.0	(1.3)	60.4	(2.3)	70.9	(2.6)	64.3	(1.8)	75.1	(1.1)	82.9	(1.5)	85.7	(2.3)
	Germany	50.4	(2.1)	55.9	(1.2)	60.9	(1.8)	61.1	(2.9)	67.5	(2.1)	76.8	(1.1)	80.6	(1.4)	80.8	(1.8)
	Greece	52.3	(2.0)	57.4	(1.1)	60.8	(2.6)	61.3	(5.5)	68.1	(1.7)	79.9	(0.9)	85.5	(1.7)	88.0	(3.1)
	Hungary	40.7	(2.8)	42.1	(1.2)	47.2	(2.0)	52.6	(3.8)	63.4	(3.0)	72.7	(1.3)	75.0	(2.0)	77.0	(3.4)
	Iceland	25.9	(1.7)	33.4	(1.2)	47.1	(2.1)	57.6	(4.1)	47.5	(1.8)	61.9	(1.3)	73.5	(2.0)	77.1	(2.8)
	Ireland	39.9	(2.2)	55.2	(1.3)	62.7	(1.7)	62.1	(2.8)	58.8	(2.2)	77.1	(1.0)	85.0	(1.4)	85.6	(2.0)
	Italy	42.4	(1.1)	48.3	(0.9)	53.5	(1.7)	59.3	(2.5)	68.2	(1.3)	75.1	(0.7)	79.0	(1.2)	80.9	(2.5)
	Japan	37.0	(1.9)	56.8	(1.2)	63.9	(1.4)	67.5	(1.6)	44.7	(1.8)	63.1	(1.2)	71.2	(1.4)	74.6	(1.6)
	Korea	26.2	(2.4)	42.1	(1.1)	53.4	(1.7)	56.2	(2.4)	44.1	(2.7)	60.3	(1.1)	68.4	(1.2)	73.2	(2.3)
	Luxembourg	47.0	(1.6)	49.1	(1.1)	51.5	(2.2)	55.0	(4.1)	70.5	(1.5)	75.6	(1.0)	77.0	(1.6)	78.4	(3.0)
	Mexico	74.5	(1.0)	77.1	(0.8)	74.8	(3.1)	c	c	81.6	(0.9)	86.7	(0.6)	83.8	(1.9)	c	c
	Netherlands	36.2	(2.7)	34.5	(1.3)	42.3	(2.1)	51.4	(2.7)	58.6	(3.2)	58.0	(1.4)	67.7	(1.7)	74.2	(2.5)
	New Zealand	37.3	(2.5)	39.4	(1.4)	48.2	(1.8)	53.6	(2.2)	54.7	(2.8)	64.1	(1.4)	69.9	(1.5)	72.2	(2.1)
Norway	26.7	(1.8)	34.4	(1.0)	47.6	(2.0)	55.3	(3.7)	30.8	(1.8)	45.4	(1.1)	61.3	(2.1)	69.1	(3.2)	
Poland	60.7	(2.0)	57.5	(1.3)	56.0	(1.7)	55.5	(3.5)	71.2	(1.8)	77.2	(0.9)	79.7	(1.6)	81.1	(2.5)	
Portugal	32.0	(1.6)	40.8	(1.2)	51.3	(2.7)	53.8	(5.1)	46.8	(2.1)	63.4	(1.2)	73.7	(2.0)	79.1	(4.0)	
Slovak Republic	42.1	(1.9)	46.6	(1.3)	52.2	(2.8)	52.4	(4.4)	58.4	(1.7)	69.4	(1.2)	75.3	(2.0)	78.7	(2.7)	
Spain	35.3	(2.0)	41.4	(0.9)	44.5	(1.4)	47.5	(2.8)	47.9	(2.1)	59.3	(0.8)	66.2	(1.4)	72.0	(2.3)	
Sweden	26.3	(1.9)	36.0	(1.3)	40.7	(2.1)	49.3	(3.0)	45.8	(2.8)	61.4	(1.2)	65.9	(2.0)	71.0	(3.0)	
Switzerland	26.8	(1.7)	38.1	(1.2)	51.0	(1.6)	57.5	(2.0)	33.6	(1.5)	47.2	(1.2)	62.2	(1.5)	72.3	(2.2)	
Turkey	58.9	(1.2)	66.7	(1.4)	69.0	(4.0)	c	c	71.4	(1.2)	83.3	(1.0)	87.7	(2.2)	c	c	
United Kingdom	39.3	(2.1)	44.9	(1.3)	50.8	(1.7)	56.5	(1.7)	62.2	(1.7)	74.7	(1.0)	81.1	(1.2)	83.7	(1.4)	
United States	47.0	(2.6)	41.8	(1.2)	45.3	(2.3)	52.6	(2.6)	65.2	(2.3)	66.5	(1.2)	70.7	(2.1)	76.7	(2.3)	
OECD average	37.7	(0.4)	43.9	(0.2)	51.0	(0.4)	55.7	(0.6)	55.9	(0.4)	66.6	(0.2)	73.8	(0.3)	77.2	(0.5)	
Partners	Argentina	64.3	(1.2)	56.7	(1.7)	55.2	(4.8)	c	c	72.3	(1.2)	74.2	(1.3)	74.0	(4.3)	c	c
	Azerbaijan	70.7	(1.2)	79.9	(1.5)	c	c	c	c	63.1	(1.4)	81.4	(1.5)	c	c	c	c
	Brazil	71.9	(0.9)	68.6	(1.4)	61.7	(4.6)	c	c	76.9	(0.8)	80.0	(1.1)	80.9	(3.1)	c	c
	Bulgaria	42.8	(1.4)	51.8	(1.3)	59.7	(2.3)	55.3	(6.6)	64.7	(1.3)	77.8	(1.0)	81.5	(2.2)	82.0	(4.3)
	Chile	68.1	(1.2)	59.6	(1.2)	55.3	(3.2)	c	c	74.6	(1.1)	76.3	(1.1)	77.3	(2.7)	c	c
	Colombia	89.0	(0.8)	82.4	(1.4)	c	c	c	c	92.7	(0.6)	91.1	(0.9)	c	c	c	c
	Croatia	59.7	(2.4)	55.1	(1.3)	52.0	(1.8)	54.1	(4.0)	73.0	(2.2)	78.2	(1.1)	80.4	(1.8)	81.5	(2.7)
	Estonia	55.6	(3.2)	49.9	(1.4)	46.8	(2.1)	46.4	(2.5)	63.2	(3.8)	68.0	(1.3)	70.3	(1.6)	73.5	(2.4)
	Hong Kong-China	39.6	(2.8)	53.8	(1.2)	59.4	(1.8)	65.2	(2.5)	56.3	(2.5)	71.1	(1.0)	80.0	(1.3)	85.8	(1.5)
	Indonesia	91.3	(0.6)	85.9	(2.8)	c	c	c	c	90.2	(0.6)	90.4	(2.1)	c	c	c	c
	Israel	39.5	(1.7)	40.5	(1.5)	43.3	(3.2)	41.0	(4.3)	59.4	(1.8)	67.5	(1.6)	73.0	(2.4)	76.2	(3.6)
	Jordan	79.7	(0.9)	84.2	(0.8)	83.0	(2.7)	c	c	81.2	(1.1)	90.3	(0.7)	92.9	(2.1)	c	c
	Kyrgyzstan	91.3	(0.5)	82.3	(2.2)	c	c	c	c	93.8	(0.5)	94.0	(1.2)	c	c	c	c
	Latvia	52.7	(2.6)	40.4	(1.5)	38.4	(2.8)	39.1	(5.5)	74.4	(2.4)	70.6	(1.2)	72.8	(2.4)	73.2	(3.6)
	Liechtenstein	30.8	(7.7)	35.3	(3.7)	51.8	(6.0)	59.1	(9.3)	29.7	(7.9)	36.7	(4.3)	61.3	(6.1)	76.4	(8.0)
	Lithuania	60.0	(2.2)	57.5	(1.1)	59.3	(2.2)	59.9	(3.5)	73.0	(1.5)	80.0	(0.9)	81.3	(1.6)	83.5	(3.1)
	Macao-China	49.9	(2.9)	52.7	(1.1)	61.5	(2.1)	60.5	(4.3)	63.5	(2.4)	70.9	(1.0)	80.9	(1.8)	80.2	(4.2)
	Montenegro	66.9	(1.2)	66.9	(1.4)	72.7	(4.9)	c	c	76.5	(1.0)	84.3	(1.0)	90.2	(4.6)	c	c
	Qatar	61.4	(0.7)	67.1	(1.5)	c	c	c	c	68.4	(0.8)	81.8	(1.6)	c	c	c	c
	Romania	64.5	(1.9)	66.6	(2.1)	51.1	(5.6)	c	c	75.1	(1.9)	84.9	(1.3)	83.8	(4.8)	c	c
Russian Federation	65.5	(1.7)	61.4	(1.7)	54.3	(2.3)	57.3	(3.9)	79.0	(1.4)	79.3	(1.2)	77.3	(2.3)	79.5	(3.1)	
Serbia	68.5	(1.4)	64.8	(1.3)	61.2	(3.9)	c	c	79.7	(1.3)	83.9	(0.9)	84.2	(3.0)	c	c	
Slovenia	43.8	(2.4)	44.3	(1.3)	46.6	(2.0)	52.4	(2.5)	57.4	(2.2)	62.3	(1.1)	67.3	(2.0)	71.3	(2.4)	
Chinese Taipei	38.9	(2.3)	49.8	(1.1)	60.2	(1.2)	67.7	(1.5)	51.4	(2.1)	65.7	(1.2)	73.2	(1.4)	78.0	(1.4)	
Thailand	81.3	(1.2)	84.6	(0.8)	87.7	(2.9)	c	c	83.7	(1.0)	89.5	(0.6)	92.8	(2.3)	c	c	
Tunisia	71.5	(1.1)	76.0	(1.3)	c	c	c	c	84.9	(0.8)	87.3	(1.0)	c	c	c	c	
Uruguay	61.7	(1.8)	52.2	(1.6)	44.9	(3.9)	c	c	78.6	(1.3)	77.1	(1.1)	74.4	(2.9)	c	c	



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Table A3.4b General interest in science (underlying percentages), by performance group

	Percentage of students reporting high or medium interest in the following																
	Topics in astronomy						Topics in geology										
	Lowest performers		Moderate performers		Strong performers		Top performers		Lowest performers		Moderate performers		Strong performers		Top performers		
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	
OECD	Australia	27.3	(1.5)	42.4	(0.8)	55.2	(1.1)	61.4	(1.7)	21.2	(1.3)	27.8	(0.7)	38.4	(1.1)	44.4	(1.4)
	Austria	32.9	(2.1)	49.1	(1.2)	59.7	(1.9)	65.4	(2.6)	31.6	(2.0)	40.3	(1.2)	50.2	(1.9)	54.6	(2.5)
	Belgium	38.7	(2.3)	49.6	(1.0)	63.6	(1.3)	69.2	(2.1)	28.9	(1.7)	38.2	(0.9)	50.3	(1.5)	57.1	(2.3)
	Canada	39.2	(1.9)	54.0	(0.9)	64.6	(1.4)	68.3	(1.5)	31.7	(1.7)	38.1	(0.8)	47.5	(1.3)	53.5	(1.6)
	Czech Republic	39.9	(2.6)	54.9	(1.3)	66.2	(1.9)	71.0	(2.0)	30.5	(2.8)	37.2	(1.1)	39.9	(2.1)	41.0	(2.9)
	Denmark	23.8	(1.9)	37.6	(1.1)	51.4	(2.1)	57.0	(4.2)	21.8	(1.7)	27.3	(1.0)	37.9	(1.8)	44.1	(3.7)
	Finland	33.7	(3.9)	39.7	(1.4)	51.3	(1.5)	62.3	(1.6)	19.0	(3.5)	20.6	(1.3)	36.2	(1.4)	48.1	(1.7)
	France	39.8	(1.5)	54.5	(1.2)	73.2	(1.7)	79.0	(2.6)	34.6	(1.5)	46.2	(1.2)	57.8	(1.7)	66.0	(2.8)
	Germany	39.2	(2.1)	50.3	(1.1)	58.9	(1.9)	61.8	(2.5)	36.6	(1.9)	45.8	(1.3)	56.4	(2.0)	62.1	(2.5)
	Greece	40.1	(1.7)	56.5	(1.1)	68.3	(2.0)	73.0	(4.3)	34.3	(1.6)	40.2	(1.0)	47.7	(3.1)	43.8	(5.8)
	Hungary	45.6	(2.1)	58.1	(1.2)	66.4	(1.8)	69.3	(3.1)	25.8	(2.3)	37.5	(1.2)	48.8	(2.1)	57.3	(3.9)
	Iceland	46.2	(1.9)	59.7	(1.1)	71.4	(1.7)	76.5	(3.1)	28.7	(1.9)	40.1	(1.2)	54.3	(2.1)	60.6	(3.8)
	Ireland	26.5	(1.8)	42.5	(1.1)	61.6	(1.6)	67.4	(2.5)	19.5	(2.0)	30.9	(1.0)	45.2	(1.9)	52.1	(2.8)
	Italy	52.4	(1.1)	67.5	(0.7)	75.3	(1.0)	76.3	(2.0)	40.2	(1.2)	50.6	(0.8)	55.0	(1.3)	56.7	(2.4)
	Japan	30.5	(2.0)	51.3	(1.4)	64.3	(1.8)	70.7	(1.8)	19.8	(2.0)	30.1	(1.3)	37.2	(1.7)	46.2	(1.7)
	Korea	22.9	(2.3)	49.4	(1.1)	63.4	(1.5)	66.1	(2.4)	25.7	(2.0)	39.2	(1.1)	52.1	(1.6)	53.4	(2.5)
	Luxembourg	38.9	(1.7)	48.7	(1.1)	58.3	(1.8)	64.4	(3.2)	37.6	(1.6)	44.9	(1.0)	50.9	(1.8)	55.4	(3.2)
	Mexico	66.2	(1.5)	78.4	(0.9)	80.2	(2.7)	c	c	62.0	(1.4)	68.5	(0.8)	66.7	(3.0)	c	c
	Netherlands	30.3	(3.3)	29.3	(1.3)	41.2	(2.0)	53.3	(2.5)	22.4	(2.8)	20.6	(1.2)	35.0	(1.6)	44.9	(2.0)
	New Zealand	34.9	(2.3)	47.0	(1.3)	56.7	(1.9)	59.9	(1.9)	26.6	(1.9)	31.2	(1.2)	43.5	(1.6)	45.8	(2.3)
	Norway	33.9	(1.9)	52.0	(0.9)	67.3	(2.1)	70.2	(4.0)	27.6	(1.8)	41.8	(2.2)	55.9	(2.1)	64.5	(3.6)
	Poland	37.3	(1.7)	50.8	(1.3)	66.5	(2.1)	74.1	(3.0)	34.1	(1.9)	42.9	(1.2)	50.0	(1.7)	51.6	(3.2)
	Portugal	42.6	(2.0)	54.0	(1.1)	64.0	(2.1)	68.5	(4.4)	35.7	(2.2)	49.3	(1.1)	55.2	(2.5)	52.9	(4.4)
	Slovak Republic	41.3	(1.9)	54.3	(1.3)	65.8	(2.7)	67.9	(4.4)	34.1	(2.2)	44.4	(1.3)	52.3	(2.1)	46.9	(3.0)
	Spain	27.1	(1.6)	43.9	(1.0)	54.6	(1.6)	61.5	(2.4)	25.7	(1.7)	35.1	(0.9)	38.2	(1.7)	35.1	(2.5)
	Sweden	32.2	(2.4)	52.0	(1.3)	64.1	(2.7)	70.5	(3.2)	19.8	(1.9)	32.4	(1.2)	44.6	(1.8)	56.6	(3.0)
	Switzerland	37.8	(1.8)	49.9	(1.2)	59.7	(1.7)	62.3	(2.1)	32.3	(1.5)	43.5	(1.2)	57.1	(1.7)	62.5	(2.4)
	Turkey	47.6	(1.3)	62.3	(1.2)	72.7	(2.5)	c	c	36.8	(1.1)	46.2	(1.3)	53.8	(4.3)	c	c
United Kingdom	30.8	(1.8)	44.9	(0.9)	60.7	(1.6)	68.1	(2.0)	25.1	(1.7)	30.8	(0.9)	41.5	(1.4)	49.3	(2.0)	
United States	45.9	(1.9)	57.1	(1.1)	69.4	(1.8)	72.2	(2.1)	40.6	(2.6)	40.1	(1.2)	44.3	(1.7)	47.6	(2.6)	
OECD average	36.1	(0.4)	50.0	(0.2)	62.3	(0.3)	67.4	(0.5)	29.0	(0.4)	37.4	(0.2)	47.3	(0.3)	51.9	(0.6)	
Partners	Argentina	47.1	(1.4)	58.4	(1.4)	64.7	(5.1)	c	c	44.6	(1.7)	48.4	(1.6)	52.2	(5.8)	c	c
	Azerbaijan	62.2	(1.1)	76.9	(2.0)	c	c	c	c	59.5	(1.2)	67.0	(1.8)	c	c	c	c
	Brazil	52.0	(1.2)	58.7	(1.4)	61.8	(4.9)	c	c	47.6	(1.2)	47.8	(1.5)	50.4	(5.0)	c	c
	Bulgaria	54.2	(1.6)	64.2	(1.4)	71.4	(2.5)	78.8	(4.7)	47.3	(1.4)	50.9	(1.2)	56.1	(2.6)	51.9	(4.2)
	Chile	57.3	(1.3)	64.4	(1.1)	69.8	(2.7)	c	c	47.7	(1.4)	53.6	(1.2)	56.1	(2.8)	c	c
	Colombia	77.7	(1.3)	80.2	(1.5)	c	c	c	c	73.4	(1.3)	72.9	(1.4)	c	c	c	c
	Croatia	43.4	(1.9)	61.7	(0.9)	77.5	(1.8)	79.7	(3.0)	35.1	(1.8)	50.6	(1.1)	61.5	(2.0)	62.6	(4.1)
	Estonia	46.2	(3.3)	60.9	(1.2)	70.9	(1.5)	77.6	(2.1)	35.1	(2.9)	42.8	(1.1)	50.7	(2.1)	51.5	(2.6)
	Hong Kong-China	42.3	(3.3)	58.5	(1.2)	65.9	(1.4)	73.4	(1.8)	29.2	(2.8)	40.7	(1.3)	46.2	(2.3)	49.4	(2.0)
	Indonesia	59.2	(1.2)	74.8	(2.1)	c	c	c	c	49.2	(1.1)	56.7	(1.4)	c	c	c	c
	Israel	39.2	(1.8)	48.0	(1.4)	58.7	(2.6)	64.1	(4.8)	29.5	(1.8)	33.1	(1.3)	36.4	(2.8)	37.0	(4.7)
	Jordan	56.8	(1.2)	64.0	(1.1)	69.8	(3.8)	c	c	53.3	(1.3)	60.7	(1.1)	63.7	(3.8)	c	c
	Kyrgyzstan	73.6	(0.8)	77.8	(1.7)	c	c	c	c	69.1	(0.8)	62.7	(2.2)	c	c	c	c
	Latvia	56.9	(2.3)	68.6	(1.3)	78.8	(1.9)	78.3	(4.1)	38.7	(2.8)	46.1	(1.5)	51.3	(2.7)	54.7	(4.5)
	Liechtenstein	51.0	(10.4)	45.8	(3.9)	52.9	(5.4)	71.6	(9.2)	32.0	(8.5)	41.9	(4.3)	50.9	(6.8)	60.4	(10.6)
	Lithuania	42.9	(1.9)	64.0	(1.1)	80.0	(2.0)	84.9	(3.1)	45.6	(1.9)	52.2	(1.1)	59.6	(2.2)	59.7	(4.7)
	Macao-China	44.9	(3.0)	55.8	(1.1)	68.2	(1.9)	72.7	(3.7)	27.3	(3.0)	32.7	(1.1)	41.0	(2.1)	49.3	(4.2)
	Montenegro	54.7	(1.1)	72.6	(1.2)	83.1	(4.2)	c	c	49.2	(1.4)	60.3	(1.5)	68.0	(5.8)	c	c
	Qatar	55.3	(0.8)	64.6	(1.5)	c	c	c	c	47.8	(0.8)	46.6	(1.6)	c	c	c	c
	Romania	48.6	(2.0)	72.8	(2.0)	83.2	(3.2)	c	c	46.7	(1.9)	59.6	(2.0)	64.8	(4.3)	c	c
	Russian Federation	51.0	(1.7)	66.3	(1.2)	73.9	(2.2)	76.2	(2.7)	40.5	(2.3)	44.3	(1.3)	45.2	(2.5)	46.3	(4.3)
	Serbia	51.4	(1.4)	69.1	(0.9)	82.4	(2.9)	c	c	42.7	(1.4)	47.9	(1.2)	53.4	(3.2)	c	c
	Slovenia	44.6	(1.9)	60.6	(1.1)	69.6	(1.9)	76.2	(2.4)	46.4	(2.8)	55.1	(1.1)	63.5	(2.1)	64.7	(2.8)
	Chinese Taipei	42.1	(1.9)	63.2	(1.0)	71.3	(1.2)	72.8	(1.5)	32.0	(1.9)	44.8	(1.1)	53.6	(1.4)	55.8	(1.6)
	Thailand	73.4	(1.3)	84.1	(1.0)	84.3	(3.1)	c	c	70.7	(1.2)	78.1	(0.9)	76.4	(4.2)	c	c
	Tunisia	59.5	(1.3)	64.5	(1.6)	c	c	c	c	60.4	(1.2)	67.5	(1.4)	c	c	c	c
	Uruguay	56.9	(1.3)	57.3	(1.3)	55.6	(3.7)	c	c	49.1	(1.8)	45.5	(1.5)	38.3	(3.1)	c	c

[Part 4/4]

Table A3.4b General interest in science (underlying percentages), by performance group

	Percentage of students reporting high or medium interest in the following																
	Ways scientists design experiments					What is required for scientific explanations											
	Lowest performers		Moderate performers		Strong performers		Top performers		Lowest performers		Moderate performers		Strong performers		Top performers		
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	
OECD	Australia	34.9	(1.6)	34.3	(0.7)	36.7	(1.1)	43.4	(1.3)	21.3	(1.5)	24.3	(0.6)	32.0	(1.1)	43.1	(1.3)
	Austria	42.6	(2.9)	51.4	(1.2)	58.9	(2.1)	65.6	(3.2)	26.2	(1.9)	29.7	(1.2)	39.5	(2.0)	51.4	(4.0)
	Belgium	37.8	(1.7)	46.4	(1.0)	57.8	(1.3)	67.4	(1.8)	30.8	(2.1)	32.1	(0.8)	41.9	(1.4)	52.3	(2.1)
	Canada	42.0	(2.1)	41.8	(0.9)	46.4	(1.3)	52.4	(1.8)	29.7	(1.8)	29.8	(0.8)	34.8	(1.0)	45.3	(1.7)
	Czech Republic	43.0	(2.3)	54.7	(1.3)	57.3	(2.3)	61.3	(2.4)	31.0	(2.1)	33.7	(1.2)	36.1	(2.1)	40.6	(2.6)
	Denmark	29.2	(2.0)	33.4	(1.2)	46.7	(2.5)	61.7	(3.8)	26.4	(1.8)	32.1	(1.2)	47.6	(1.9)	63.9	(3.1)
	Finland	19.5	(3.7)	19.2	(1.2)	24.5	(1.5)	35.8	(1.8)	16.8	(4.1)	19.5	(1.0)	27.8	(1.3)	39.9	(1.6)
	France	36.9	(2.0)	48.0	(1.2)	58.7	(2.0)	68.6	(2.7)	31.4	(1.7)	34.3	(1.2)	47.4	(2.0)	56.5	(2.8)
	Germany	41.9	(2.4)	51.5	(1.3)	60.3	(2.0)	66.0	(2.8)	32.3	(2.2)	38.5	(1.1)	47.2	(1.6)	58.3	(2.8)
	Greece	41.7	(1.9)	46.8	(1.1)	60.3	(2.0)	66.9	(3.9)	38.4	(1.7)	46.9	(1.0)	58.6	(2.3)	67.5	(4.9)
	Hungary	41.6	(2.6)	41.3	(1.1)	44.3	(2.0)	55.1	(4.1)	33.5	(2.9)	35.9	(1.1)	39.0	(2.0)	43.6	(4.3)
	Iceland	28.9	(2.0)	35.8	(1.1)	45.1	(2.2)	57.4	(3.5)	20.2	(1.6)	28.3	(1.0)	41.2	(2.1)	53.4	(3.7)
	Ireland	37.5	(2.3)	38.7	(1.0)	42.6	(1.8)	49.4	(2.9)	24.6	(1.7)	29.6	(1.0)	38.9	(1.8)	50.2	(2.6)
	Italy	57.9	(1.1)	62.5	(0.7)	65.8	(1.3)	70.7	(2.1)	39.1	(1.2)	41.1	(0.9)	46.8	(1.4)	53.4	(2.7)
	Japan	21.5	(2.1)	30.0	(1.3)	37.3	(1.5)	48.8	(2.1)	14.0	(1.6)	18.9	(1.1)	28.9	(1.3)	45.0	(1.8)
	Korea	14.7	(1.8)	19.4	(1.0)	30.3	(1.5)	40.1	(2.5)	14.1	(2.0)	20.5	(1.0)	39.0	(1.7)	54.4	(2.7)
	Luxembourg	50.6	(1.9)	60.7	(1.2)	68.4	(2.0)	74.6	(2.9)	35.4	(1.8)	39.0	(1.2)	48.0	(1.8)	58.0	(3.6)
	Mexico	72.4	(1.0)	75.1	(0.8)	75.9	(2.5)	c	c	64.9	(1.3)	67.4	(1.0)	66.7	(3.6)	c	c
	Netherlands	28.3	(2.9)	25.5	(1.1)	32.5	(1.5)	44.2	(1.9)	24.6	(3.1)	21.3	(1.0)	31.1	(1.4)	45.5	(2.2)
	New Zealand	42.7	(2.2)	36.3	(1.3)	36.7	(1.6)	38.9	(1.9)	24.1	(2.1)	25.0	(1.2)	31.3	(1.5)	42.7	(1.9)
	Norway	47.5	(1.9)	58.6	(0.9)	66.8	(1.9)	72.8	(3.9)	32.5	(1.8)	40.1	(1.1)	53.7	(2.0)	64.9	(3.9)
	Poland	43.9	(2.1)	50.7	(1.1)	56.9	(1.8)	68.2	(2.8)	37.7	(2.0)	33.7	(1.1)	36.4	(2.2)	42.5	(3.3)
	Portugal	50.8	(2.3)	60.7	(1.1)	72.7	(2.0)	80.5	(4.0)	44.3	(2.4)	50.8	(1.1)	60.9	(2.4)	67.8	(5.6)
	Slovak Republic	37.1	(2.7)	46.5	(1.3)	52.7	(1.8)	56.4	(3.4)	28.3	(1.9)	28.3	(1.2)	35.4	(1.9)	42.5	(4.1)
	Spain	31.8	(1.5)	41.2	(0.8)	55.1	(1.4)	65.7	(2.1)	19.5	(1.2)	26.4	(0.8)	39.8	(1.5)	49.2	(2.9)
	Sweden	33.7	(2.2)	42.4	(1.3)	49.4	(1.9)	63.2	(2.7)	22.2	(1.8)	31.6	(1.1)	42.2	(2.0)	58.6	(3.0)
	Switzerland	44.1	(2.2)	50.1	(1.0)	56.2	(1.5)	65.0	(1.9)	34.7	(1.9)	35.0	(0.8)	42.5	(1.3)	55.0	(2.0)
Turkey	49.8	(1.4)	53.3	(1.5)	64.2	(4.4)	c	c	42.5	(1.3)	48.2	(1.6)	59.0	(4.0)	c	c	
United Kingdom	40.9	(2.2)	40.7	(1.0)	39.8	(1.6)	45.5	(2.0)	30.6	(1.9)	31.9	(1.1)	36.8	(1.3)	48.3	(1.5)	
United States	52.6	(1.9)	43.1	(1.1)	41.4	(1.9)	44.9	(2.4)	40.6	(2.8)	31.1	(1.2)	33.4	(1.8)	37.4	(2.6)	
OECD average	38.4	(0.4)	43.3	(0.2)	50.1	(0.3)	58.2	(0.5)	28.7	(0.4)	31.8	(0.2)	40.6	(0.3)	51.1	(0.6)	
Partners	Argentina	57.7	(1.3)	54.4	(1.5)	54.0	(4.5)	c	c	48.1	(1.3)	47.4	(1.8)	47.2	(5.6)	c	c
	Azerbaijan	63.4	(1.3)	69.1	(2.0)	c	c	c	c	58.7	(1.3)	60.8	(2.1)	c	c	c	c
	Brazil	69.6	(1.0)	73.7	(1.3)	74.1	(3.8)	c	c	63.6	(1.0)	63.4	(1.3)	61.8	(4.2)	c	c
	Bulgaria	54.6	(1.5)	65.7	(1.6)	73.2	(3.0)	72.2	(4.1)	47.9	(1.5)	47.0	(1.3)	46.8	(2.3)	47.0	(4.3)
	Chile	52.4	(1.7)	53.1	(1.2)	56.8	(2.3)	c	c	45.2	(1.7)	46.1	(1.2)	53.1	(3.2)	c	c
	Colombia	79.9	(1.1)	77.8	(1.4)	c	c	c	c	75.7	(1.4)	73.7	(1.5)	c	c	c	c
	Croatia	54.8	(2.0)	61.5	(0.9)	62.3	(2.0)	64.3	(3.9)	45.6	(2.2)	50.6	(1.0)	55.3	(1.8)	57.6	(3.6)
	Estonia	59.4	(3.2)	59.8	(1.4)	62.7	(1.9)	68.1	(1.9)	44.9	(3.9)	41.8	(1.3)	43.1	(1.6)	50.1	(2.2)
	Hong Kong-China	41.7	(3.0)	49.3	(1.4)	56.1	(1.8)	63.0	(2.0)	29.8	(3.2)	38.3	(1.5)	48.2	(1.9)	58.6	(2.0)
	Indonesia	79.1	(0.9)	87.3	(1.1)	c	c	c	c	57.5	(1.2)	64.1	(1.9)	c	c	c	c
	Israel	43.8	(1.7)	42.7	(1.4)	47.0	(2.6)	43.1	(4.9)	34.8	(1.6)	33.3	(1.3)	36.8	(2.7)	33.8	(4.0)
	Jordan	63.7	(1.1)	70.4	(1.2)	77.0	(2.9)	c	c	56.2	(1.2)	62.6	(1.3)	72.3	(3.1)	c	c
	Kyrgyzstan	69.5	(0.9)	73.9	(1.8)	c	c	c	c	62.8	(1.0)	57.3	(2.1)	c	c	c	c
	Latvia	66.9	(2.6)	61.6	(1.4)	58.9	(2.2)	62.7	(4.2)	42.6	(2.2)	33.1	(1.2)	31.7	(2.5)	38.9	(5.4)
	Liechtenstein	65.9	(10.4)	56.0	(3.9)	62.9	(5.3)	52.6	(7.8)	40.3	(8.8)	39.4	(3.8)	37.9	(5.1)	44.4	(9.4)
	Lithuania	66.7	(1.6)	74.9	(1.0)	77.6	(1.9)	81.1	(2.8)	47.7	(1.8)	48.9	(1.1)	51.8	(2.1)	54.3	(5.7)
	Macao-China	46.3	(3.0)	51.8	(1.2)	58.1	(2.2)	64.7	(4.7)	27.2	(2.4)	34.2	(1.1)	44.5	(1.8)	54.8	(4.4)
	Montenegro	54.6	(1.3)	62.4	(1.4)	67.3	(6.9)	c	c	55.9	(1.2)	58.2	(1.3)	64.0	(5.9)	c	c
	Qatar	57.2	(0.7)	66.9	(1.7)	c	c	c	c	50.9	(0.7)	55.9	(1.5)	c	c	c	c
	Romania	50.1	(1.9)	59.7	(1.3)	67.0	(4.5)	c	c	47.6	(1.7)	53.2	(1.6)	61.6	(3.8)	c	c
	Russian Federation	68.1	(1.4)	67.8	(1.0)	64.0	(2.2)	62.7	(3.9)	51.9	(2.0)	52.5	(1.4)	52.3	(2.6)	49.8	(4.7)
	Serbia	54.0	(1.6)	62.9	(1.1)	67.4	(2.9)	c	c	49.2	(1.5)	47.9	(1.1)	52.1	(2.8)	c	c
Slovenia	42.7	(1.9)	50.2	(1.1)	56.0	(2.2)	60.1	(2.8)	37.4	(2.1)	41.5	(1.2)	42.8	(2.0)	48.0	(3.0)	
Chinese Taipei	35.6	(2.1)	46.8	(1.2)	57.5	(1.4)	62.4	(1.7)	30.2	(2.2)	37.0	(1.0)	48.1	(1.3)	55.8	(1.6)	
Thailand	79.8	(1.0)	82.5	(0.8)	81.2	(3.3)	c	c	71.5	(1.3)	73.5	(1.1)	77.0	(4.2)	c	c	
Tunisia	69.0	(1.1)	77.1	(1.5)	c	c	c	c	59.2	(1.1)	71.6	(1.8)	c	c	c	c	
Uruguay	54.8	(1.6)	52.2	(1.4)	57.6	(3.5)	c	c	49.1	(1.7)	47.5	(1.4)	52.7	(3.3)	c	c	



[Part 1/1]

Table A3.5a Enjoyment of science (mean index), by performance group

	Index of enjoyment of science										Correlation between the index of enjoyment of science and the index of students' science-related activities	
	Lowest performers		Moderate performers		Strong performers		Top performers		Difference in the mean index between strong performers and top performers		Correl.	SE
	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Dif.	S.E.		
OECD												
Australia	-0.70	(0.04)	-0.30	(0.02)	0.23	(0.02)	0.68	(0.03)	-0.45	(0.04)	0.60	(0.01)
Austria	-0.55	(0.06)	-0.39	(0.03)	0.10	(0.04)	0.48	(0.07)	-0.38	(0.09)	0.66	(0.01)
Belgium	-0.37	(0.07)	-0.15	(0.02)	0.24	(0.03)	0.64	(0.03)	-0.39	(0.04)	0.59	(0.01)
Canada	-0.33	(0.04)	-0.06	(0.02)	0.39	(0.03)	0.85	(0.03)	-0.46	(0.04)	0.59	(0.01)
Czech Republic	-0.28	(0.05)	-0.12	(0.03)	0.05	(0.04)	0.32	(0.05)	-0.27	(0.05)	0.62	(0.01)
Denmark	-0.43	(0.04)	-0.19	(0.02)	0.31	(0.04)	0.70	(0.08)	-0.39	(0.10)	0.62	(0.01)
Finland	-0.48	(0.11)	-0.11	(0.02)	0.21	(0.03)	0.54	(0.03)	-0.33	(0.04)	0.58	(0.01)
France	-0.20	(0.05)	0.01	(0.03)	0.49	(0.03)	0.92	(0.05)	-0.43	(0.06)	0.59	(0.01)
Germany	-0.55	(0.06)	-0.25	(0.03)	0.16	(0.04)	0.65	(0.05)	-0.49	(0.06)	0.63	(0.01)
Greece	-0.20	(0.03)	0.05	(0.02)	0.51	(0.05)	0.81	(0.11)	-0.30	(0.12)	0.60	(0.01)
Hungary	-0.10	(0.05)	0.12	(0.02)	0.42	(0.04)	0.74	(0.07)	-0.33	(0.08)	0.62	(0.01)
Iceland	-0.74	(0.04)	-0.10	(0.02)	0.58	(0.04)	0.99	(0.06)	-0.41	(0.08)	0.63	(0.01)
Ireland	-0.77	(0.04)	-0.31	(0.03)	0.21	(0.04)	0.61	(0.05)	-0.39	(0.06)	0.60	(0.01)
Israel	-0.31	(0.05)	-0.05	(0.04)	0.40	(0.06)	0.65	(0.10)	-0.25	(0.13)	0.56	(0.01)
Japan	-0.81	(0.05)	-0.45	(0.03)	-0.05	(0.03)	0.38	(0.03)	-0.43	(0.05)	0.60	(0.01)
Korea	-0.76	(0.04)	-0.37	(0.02)	0.18	(0.04)	0.62	(0.06)	-0.44	(0.05)	0.57	(0.01)
Luxembourg	-0.38	(0.04)	-0.11	(0.02)	0.35	(0.04)	0.78	(0.08)	-0.43	(0.09)	0.59	(0.01)
Mexico	0.62	(0.02)	0.64	(0.02)	0.86	(0.05)	c	c	c	c	0.46	(0.02)
Netherlands	-0.51	(0.05)	-0.54	(0.02)	-0.14	(0.03)	0.29	(0.04)	-0.44	(0.04)	0.60	(0.01)
New Zealand	-0.44	(0.04)	-0.24	(0.03)	0.20	(0.03)	0.63	(0.04)	-0.44	(0.05)	0.60	(0.01)
Norway	-0.54	(0.04)	-0.07	(0.03)	0.50	(0.04)	0.91	(0.06)	-0.41	(0.08)	0.58	(0.01)
Poland	-0.35	(0.04)	-0.34	(0.02)	-0.09	(0.04)	0.27	(0.06)	-0.36	(0.07)	0.44	(0.01)
Portugal	0.07	(0.04)	0.30	(0.02)	0.62	(0.03)	0.97	(0.06)	-0.34	(0.07)	0.59	(0.01)
Slovak Republic	-0.17	(0.05)	-0.04	(0.02)	0.15	(0.04)	0.33	(0.06)	-0.18	(0.07)	0.60	(0.01)
Spain	-0.54	(0.03)	-0.20	(0.02)	0.29	(0.03)	0.69	(0.05)	-0.40	(0.06)	0.57	(0.01)
Sweden	-0.63	(0.06)	-0.20	(0.02)	0.24	(0.04)	0.72	(0.05)	-0.48	(0.07)	0.57	(0.01)
Switzerland	-0.48	(0.03)	-0.24	(0.02)	0.25	(0.04)	0.73	(0.05)	-0.48	(0.08)	0.59	(0.01)
Turkey	0.21	(0.03)	0.53	(0.03)	1.02	(0.06)	c	c	c	c	0.63	(0.01)
United Kingdom	-0.49	(0.04)	-0.23	(0.02)	0.14	(0.03)	0.57	(0.04)	-0.42	(0.05)	0.57	(0.01)
United States	-0.28	(0.05)	-0.16	(0.02)	0.29	(0.04)	0.68	(0.06)	-0.39	(0.06)	0.57	(0.01)
OECD average	-0.44	(0.01)	-0.17	(0.00)	0.26	(0.01)	0.65	(0.01)	-0.39	(0.01)	0.59	(0.00)
Partners												
Argentina	0.04	(0.03)	-0.01	(0.03)	0.11	(0.10)	c	c	c	c	0.57	(0.01)
Azerbaijan	0.75	(0.03)	0.77	(0.03)	c	c	c	c	c	c	0.39	(0.02)
Brazil	0.38	(0.02)	0.37	(0.03)	0.58	(0.08)	c	c	c	c	0.50	(0.01)
Bulgaria	0.32	(0.03)	0.41	(0.02)	0.50	(0.04)	0.70	(0.08)	-0.20	(0.10)	0.48	(0.02)
Chile	0.14	(0.03)	0.26	(0.03)	0.65	(0.06)	c	c	c	c	0.56	(0.01)
Colombia	0.83	(0.02)	0.77	(0.03)	c	c	c	c	c	c	0.46	(0.02)
Croatia	-0.06	(0.04)	0.08	(0.02)	0.24	(0.04)	0.43	(0.08)	-0.19	(0.08)	0.60	(0.01)
Estonia	-0.23	(0.07)	-0.08	(0.02)	0.13	(0.04)	0.38	(0.05)	-0.25	(0.06)	0.57	(0.01)
Hong Kong-China	-0.18	(0.05)	0.20	(0.02)	0.55	(0.03)	0.87	(0.03)	-0.32	(0.04)	0.60	(0.01)
Indonesia	0.74	(0.02)	0.81	(0.04)	c	c	c	c	c	c	0.32	(0.02)
Italy	-0.08	(0.02)	0.10	(0.01)	0.37	(0.02)	0.65	(0.05)	-0.28	(0.05)	0.61	(0.01)
Jordan	0.67	(0.02)	0.87	(0.03)	1.16	(0.06)	c	c	c	c	0.42	(0.01)
Kyrgyzstan	0.99	(0.01)	0.63	(0.04)	c	c	c	c	c	c	0.48	(0.01)
Latvia	-0.04	(0.03)	-0.03	(0.02)	0.09	(0.04)	0.26	(0.07)	-0.17	(0.08)	0.54	(0.01)
Liechtenstein	-0.84	(0.13)	-0.32	(0.08)	-0.03	(0.12)	0.41	(0.21)	-0.44	(0.25)	0.61	(0.04)
Lithuania	0.03	(0.03)	0.17	(0.02)	0.41	(0.04)	0.68	(0.07)	-0.27	(0.09)	0.49	(0.01)
Macao-China	0.07	(0.04)	0.34	(0.02)	0.67	(0.03)	0.86	(0.09)	-0.19	(0.10)	0.57	(0.01)
Montenegro	0.32	(0.03)	0.20	(0.03)	0.32	(0.11)	c	c	c	c	0.52	(0.02)
Qatar	0.29	(0.02)	0.68	(0.03)	c	c	c	c	c	c	0.51	(0.01)
Romania	0.40	(0.03)	0.49	(0.02)	0.64	(0.08)	c	c	c	c	0.47	(0.03)
Russian Federation	0.03	(0.04)	0.12	(0.02)	0.23	(0.03)	0.38	(0.07)	-0.15	(0.08)	0.53	(0.01)
Serbia	0.18	(0.03)	0.00	(0.03)	0.08	(0.06)	c	c	c	c	0.49	(0.01)
Slovenia	-0.27	(0.04)	-0.22	(0.02)	-0.05	(0.04)	0.20	(0.06)	-0.26	(0.07)	0.59	(0.01)
Chinese Taipei	-0.16	(0.04)	0.00	(0.02)	0.35	(0.02)	0.61	(0.03)	-0.27	(0.03)	0.57	(0.01)
Thailand	0.62	(0.02)	0.80	(0.02)	1.11	(0.05)	c	c	c	c	0.49	(0.01)
Tunisia	0.93	(0.02)	1.14	(0.03)	c	c	c	c	c	c	0.35	(0.02)
Uruguay	0.08	(0.03)	0.05	(0.02)	0.28	(0.07)	c	c	c	c	0.53	(0.01)

Note: Values that are statistically significant are indicated in bold (see Annex B).

[Part 1/3]

Table A3.5b Enjoyment of science (underlying percentages), by performance group

	Percentage of students agreeing or strongly agreeing with the following statements																
	I generally have fun when I am learning science topics						I like reading about science										
	Lowest performers		Moderate performers		Strong performers		Top performers		Lowest performers		Moderate performers		Strong performers		Top performers		
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	
OECD	Australia	35.9	(1.6)	50.4	(0.9)	69.6	(1.3)	83.5	(1.3)	21.2	(1.4)	34.1	(0.9)	55.6	(1.5)	72.3	(1.6)
	Austria	47.5	(2.3)	52.9	(1.3)	67.9	(1.6)	78.6	(2.3)	30.8	(2.1)	35.7	(1.3)	51.8	(1.9)	64.5	(3.1)
	Belgium	53.4	(3.2)	56.2	(1.2)	68.8	(1.4)	80.5	(2.1)	29.6	(2.0)	38.8	(1.0)	56.9	(1.6)	74.4	(1.9)
	Canada	54.6	(2.0)	66.7	(1.0)	81.6	(1.3)	91.8	(0.8)	36.7	(1.8)	44.4	(1.2)	62.7	(1.3)	78.1	(1.5)
	Czech Republic	48.4	(2.8)	56.7	(1.6)	64.7	(2.5)	74.1	(2.4)	35.8	(2.1)	43.0	(1.4)	54.0	(2.0)	66.9	(2.3)
	Denmark	49.2	(1.8)	59.7	(1.2)	79.3	(1.7)	86.4	(2.4)	32.6	(1.9)	43.9	(1.2)	63.6	(2.1)	76.7	(3.7)
	Finland	43.7	(5.0)	59.5	(1.2)	73.1	(1.5)	82.2	(1.8)	32.9	(4.5)	48.1	(1.2)	65.2	(1.6)	79.2	(1.8)
	France	64.6	(2.3)	69.8	(1.2)	82.1	(1.3)	91.8	(1.5)	35.7	(1.9)	43.2	(1.2)	62.0	(1.7)	77.9	(2.7)
	Germany	44.9	(2.7)	58.0	(1.3)	73.5	(2.0)	86.6	(2.0)	28.8	(2.0)	36.5	(1.2)	49.9	(1.7)	66.3	(2.1)
	Greece	50.8	(1.9)	61.9	(1.3)	78.2	(2.2)	86.4	(4.6)	48.4	(2.0)	57.8	(1.2)	74.8	(2.2)	84.3	(4.0)
	Hungary	61.7	(2.4)	73.5	(1.0)	84.9	(1.5)	92.5	(1.8)	49.4	(2.8)	58.3	(1.0)	68.9	(1.8)	82.4	(2.6)
	Iceland	33.2	(1.9)	57.8	(1.1)	81.6	(1.8)	90.8	(2.3)	29.3	(1.6)	50.5	(1.2)	74.2	(2.2)	85.8	(2.7)
	Ireland	28.4	(2.0)	42.5	(1.3)	63.5	(1.9)	75.6	(2.5)	23.5	(1.8)	39.1	(1.3)	60.8	(2.0)	73.9	(2.4)
	Italy	55.9	(1.4)	59.6	(0.8)	70.3	(1.6)	79.0	(2.7)	46.8	(1.2)	58.2	(0.8)	72.3	(1.3)	81.9	(1.9)
	Japan	33.4	(2.3)	44.2	(1.5)	59.2	(1.7)	73.4	(1.8)	19.6	(1.6)	28.1	(1.2)	43.6	(1.8)	59.8	(1.5)
	Korea	35.6	(2.2)	47.9	(1.2)	69.7	(1.7)	83.0	(2.2)	23.6	(2.1)	38.2	(1.3)	58.0	(1.8)	72.1	(2.2)
	Luxembourg	55.8	(1.8)	64.9	(1.1)	78.4	(1.8)	87.8	(2.8)	36.6	(1.8)	45.5	(1.0)	61.2	(1.7)	76.6	(4.1)
	Mexico	93.5	(0.5)	95.4	(0.4)	97.5	(1.0)	c	c	81.1	(1.0)	81.6	(0.9)	88.6	(1.9)	c	c
	Netherlands	48.7	(2.9)	37.6	(1.4)	50.9	(1.8)	66.6	(2.1)	27.6	(2.8)	29.7	(1.3)	52.0	(2.2)	71.9	(1.9)
	New Zealand	47.9	(2.5)	53.2	(1.3)	69.3	(1.9)	82.6	(1.7)	26.4	(1.9)	32.9	(1.4)	50.0	(1.7)	69.9	(2.0)
	Norway	43.8	(1.8)	62.2	(1.0)	83.3	(1.4)	92.0	(1.9)	29.8	(1.6)	45.2	(1.1)	67.2	(1.8)	79.3	(3.1)
	Poland	40.7	(1.9)	40.0	(1.3)	50.9	(1.9)	64.5	(2.7)	39.5	(1.9)	42.8	(1.2)	57.5	(2.1)	72.3	(2.9)
	Portugal	66.6	(2.0)	72.8	(1.1)	80.5	(2.1)	86.6	(2.5)	51.2	(1.8)	66.4	(1.0)	82.6	(2.0)	92.0	(2.0)
	Slovak Republic	61.7	(2.1)	69.7	(1.2)	76.7	(1.9)	82.5	(2.8)	44.5	(3.1)	49.3	(1.2)	58.8	(2.3)	66.6	(4.3)
	Spain	43.8	(1.5)	56.1	(0.8)	76.2	(1.2)	86.7	(1.9)	30.1	(1.6)	42.0	(0.9)	60.4	(1.5)	75.5	(2.4)
	Sweden	41.4	(2.5)	58.0	(1.1)	75.5	(1.7)	89.5	(2.0)	29.6	(2.3)	45.7	(1.1)	61.7	(2.0)	82.6	(2.1)
	Switzerland	53.5	(1.7)	60.9	(1.0)	77.7	(1.5)	88.8	(1.5)	31.6	(1.7)	37.4	(1.0)	56.0	(1.8)	73.4	(2.2)
	Turkey	72.7	(1.5)	82.4	(1.0)	94.6	(1.6)	c	c	68.8	(1.5)	78.8	(1.1)	91.2	(2.0)	c	c
United Kingdom	38.1	(2.0)	49.5	(1.2)	65.1	(1.6)	78.2	(1.8)	23.5	(1.9)	30.6	(1.2)	47.1	(1.9)	65.9	(1.8)	
United States	52.2	(2.0)	57.5	(1.3)	74.4	(1.8)	86.0	(2.0)	41.1	(2.3)	41.1	(1.2)	56.0	(2.3)	72.4	(2.6)	
OECD average	47.7	(0.4)	57.1	(0.2)	72.4	(0.3)	83.1	(0.4)	33.4	(0.4)	43.1	(0.2)	60.2	(0.4)	74.8	(0.5)	
Partners	Argentina	53.9	(1.5)	50.4	(1.5)	50.7	(4.9)	c	c	58.1	(1.6)	57.3	(1.8)	64.2	(5.1)	c	c
	Azerbaijan	85.6	(0.9)	85.5	(1.4)	c	c	c	c	82.5	(0.9)	82.6	(1.5)	c	c	c	c
	Brazil	72.0	(0.9)	72.0	(1.5)	79.3	(4.2)	c	c	64.3	(1.1)	69.8	(1.2)	82.3	(3.5)	c	c
	Bulgaria	76.9	(1.4)	81.2	(1.3)	84.7	(2.1)	83.7	(3.9)	69.2	(1.7)	77.1	(1.2)	82.1	(2.4)	84.8	(4.0)
	Chile	73.9	(1.3)	77.8	(1.2)	84.8	(2.2)	c	c	49.7	(1.4)	58.2	(1.3)	72.0	(3.7)	c	c
	Colombia	89.2	(1.0)	88.8	(1.5)	c	c	c	c	85.2	(0.9)	84.0	(1.3)	c	c	c	c
	Croatia	51.1	(1.9)	63.3	(1.0)	69.8	(1.8)	74.8	(3.5)	59.1	(2.1)	67.3	(1.1)	74.2	(1.8)	79.5	(3.7)
	Estonia	43.4	(3.4)	59.3	(1.2)	68.5	(1.7)	76.7	(2.3)	39.5	(4.0)	45.6	(1.1)	53.7	(1.7)	66.3	(2.3)
	Hong Kong-China	61.2	(2.7)	76.4	(1.1)	86.1	(1.1)	94.7	(1.0)	41.4	(3.0)	57.8	(1.6)	72.7	(1.4)	84.4	(1.5)
	Indonesia	89.6	(0.7)	91.0	(1.0)	c	c	c	c	89.5	(0.6)	90.1	(1.6)	c	c	c	c
	Israel	50.0	(1.6)	57.8	(1.4)	72.0	(2.3)	82.1	(3.2)	42.5	(1.7)	50.6	(1.5)	63.7	(2.5)	73.0	(3.8)
	Jordan	86.8	(0.9)	90.4	(0.9)	94.2	(1.4)	c	c	78.9	(0.9)	82.2	(1.1)	88.4	(2.2)	c	c
	Kyrgyzstan	92.6	(0.5)	81.1	(1.8)	c	c	c	c	90.5	(0.5)	76.1	(1.9)	c	c	c	c
	Latvia	72.2	(2.0)	71.0	(1.1)	76.0	(1.9)	79.9	(4.7)	48.3	(2.7)	54.8	(1.5)	63.7	(2.7)	69.8	(4.7)
	Liechtenstein	40.7	(7.4)	55.7	(3.7)	63.4	(6.1)	74.7	(7.5)	13.0	(6.0)	33.0	(3.6)	43.4	(6.1)	60.7	(8.4)
	Lithuania	62.5	(1.8)	71.7	(1.1)	78.6	(1.7)	84.5	(3.0)	51.1	(1.9)	58.5	(1.2)	68.8	(1.9)	75.9	(3.9)
	Macao-China	69.9	(2.3)	79.7	(0.9)	89.1	(1.5)	90.7	(3.8)	57.5	(2.8)	68.8	(1.0)	82.5	(1.5)	88.2	(3.7)
	Montenegro	63.4	(1.4)	56.2	(1.6)	57.3	(5.9)	c	c	68.8	(1.4)	65.8	(1.5)	80.2	(4.6)	c	c
	Qatar	73.9	(0.6)	85.1	(1.2)	c	c	c	c	66.8	(0.7)	76.8	(1.3)	c	c	c	c
	Romania	81.6	(1.4)	89.6	(1.1)	92.8	(2.4)	c	c	76.4	(1.1)	82.3	(0.9)	85.0	(3.4)	c	c
	Russian Federation	61.9	(2.0)	68.0	(1.2)	73.2	(1.7)	74.4	(3.0)	50.6	(2.3)	51.3	(1.4)	53.9	(2.1)	61.1	(3.9)
	Serbia	70.9	(1.5)	59.0	(1.5)	57.8	(3.0)	c	c	56.6	(1.6)	52.3	(1.3)	59.2	(3.1)	c	c
	Slovenia	57.2	(2.0)	56.0	(1.1)	56.7	(2.0)	61.7	(2.7)	42.3	(2.2)	48.1	(1.2)	56.4	(2.1)	67.7	(2.6)
Chinese Taipei	57.9	(2.4)	59.2	(1.0)	70.2	(1.0)	79.4	(1.2)	45.8	(2.6)	54.7	(1.0)	70.8	(1.1)	80.8	(1.1)	
Thailand	89.4	(0.8)	93.0	(0.6)	94.7	(2.4)	c	c	81.9	(1.0)	86.8	(0.9)	94.5	(2.2)	c	c	
Tunisia	86.2	(0.8)	89.2	(1.1)	c	c	c	c	83.2	(0.9)	88.0	(1.1)	c	c	c	c	
Uruguay	58.9	(1.7)	61.1	(1.4)	67.4	(3.8)	c	c	59.9	(1.6)	60.8	(1.3)	66.4	(3.8)	c	c	



[Part 2/3]

Table A3.5b Enjoyment of science (underlying percentages), by performance group

	Percentage of students agreeing or strongly agreeing with the following statements																
	I am happy doing science problems						I enjoy acquiring new knowledge in science										
	Lowest performers		Moderate performers		Strong performers		Top performers		Lowest performers		Top performers						
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.					
OECD	Australia	27.8	(1.5)	40.1	(0.8)	61.9	(1.2)	77.0	(1.2)	38.9	(1.6)	59.5	(0.9)	80.4	(1.1)	91.6	(1.0)
	Austria	31.4	(2.3)	32.3	(1.2)	47.9	(1.6)	60.2	(2.3)	37.9	(2.1)	45.5	(1.3)	62.9	(1.7)	73.7	(2.8)
	Belgium	38.0	(3.0)	46.6	(1.2)	66.0	(1.5)	77.5	(2.2)	51.2	(3.0)	58.9	(1.0)	73.3	(1.2)	84.1	(1.5)
	Canada	32.0	(1.9)	40.3	(0.9)	57.4	(1.4)	74.7	(1.5)	54.4	(1.8)	65.8	(1.1)	82.5	(1.3)	92.2	(1.0)
	Czech Republic	30.0	(2.7)	34.1	(1.3)	38.3	(2.2)	51.6	(2.7)	58.2	(2.7)	68.0	(1.5)	77.0	(1.8)	85.4	(1.9)
	Denmark	27.9	(1.7)	32.3	(1.1)	50.8	(2.2)	65.2	(3.1)	42.7	(1.9)	50.2	(1.2)	70.3	(1.9)	82.2	(3.2)
	Finland	33.6	(4.7)	43.4	(1.3)	54.0	(1.6)	64.3	(1.8)	47.4	(4.9)	64.4	(1.2)	79.4	(1.5)	89.0	(1.5)
	France	31.1	(1.9)	35.6	(1.1)	57.5	(1.7)	75.6	(2.8)	63.3	(2.1)	71.9	(1.2)	84.7	(1.3)	94.1	(1.5)
	Germany	27.8	(1.7)	31.1	(1.0)	44.5	(1.6)	63.8	(2.5)	33.6	(2.4)	46.7	(1.3)	62.7	(1.7)	76.4	(2.0)
	Greece	30.8	(1.7)	37.2	(1.2)	57.0	(2.5)	69.9	(5.0)	59.8	(1.9)	71.1	(1.2)	82.8	(1.9)	86.8	(3.5)
	Hungary	40.9	(2.3)	43.8	(1.2)	52.1	(1.9)	63.2	(3.6)	54.9	(2.8)	69.4	(1.1)	81.7	(1.5)	91.2	(2.2)
	Iceland	24.0	(1.5)	41.7	(1.3)	64.9	(2.4)	79.9	(3.4)	38.0	(1.7)	65.3	(1.0)	87.8	(1.6)	93.5	(2.1)
	Ireland	23.2	(1.7)	31.9	(1.2)	54.2	(1.9)	72.7	(2.4)	42.3	(2.2)	65.0	(1.1)	82.8	(1.4)	90.9	(2.1)
	Italy	50.1	(1.1)	55.7	(0.7)	66.7	(1.4)	76.7	(2.0)	64.6	(1.4)	72.9	(0.8)	80.9	(1.1)	87.2	(1.8)
	Japan	17.1	(1.8)	22.9	(1.2)	34.4	(1.5)	49.7	(1.9)	34.2	(2.3)	50.8	(1.4)	67.3	(1.7)	81.8	(1.5)
	Korea	10.2	(1.6)	20.3	(1.1)	38.7	(1.7)	55.0	(3.2)	44.4	(2.2)	65.1	(1.0)	81.1	(1.3)	91.5	(1.4)
	Luxembourg	32.3	(1.7)	38.1	(1.1)	56.6	(1.9)	70.3	(3.5)	44.7	(1.8)	56.2	(1.1)	73.4	(1.6)	85.5	(2.4)
	Mexico	62.0	(1.3)	56.5	(1.1)	65.3	(3.0)	c	c	90.1	(0.6)	93.4	(0.5)	97.7	(1.1)	c	c
	Netherlands	27.7	(2.1)	24.5	(1.1)	39.1	(1.8)	56.3	(2.3)	42.2	(2.7)	46.1	(1.2)	66.0	(1.4)	82.9	(1.7)
	New Zealand	38.1	(2.0)	45.0	(1.4)	63.2	(1.8)	80.2	(1.7)	49.2	(2.2)	63.9	(1.4)	81.5	(1.4)	91.7	(1.2)
	Norway	30.8	(2.0)	44.0	(1.3)	64.9	(2.4)	78.6	(3.3)	47.5	(2.1)	67.8	(1.1)	86.1	(1.5)	94.1	(1.6)
	Poland	33.3	(2.1)	32.9	(1.3)	43.9	(2.1)	56.9	(3.2)	54.9	(2.2)	56.9	(1.1)	66.3	(1.9)	78.9	(2.6)
	Portugal	44.5	(2.2)	50.5	(1.2)	66.7	(2.6)	84.0	(3.2)	76.7	(1.8)	89.0	(0.7)	95.6	(1.0)	97.6	(1.3)
	Slovak Republic	28.7	(2.3)	31.5	(1.4)	40.0	(2.5)	49.2	(3.5)	58.6	(2.2)	71.5	(1.1)	77.6	(1.8)	82.3	(2.5)
	Spain	14.5	(1.4)	23.5	(1.0)	44.8	(2.1)	61.6	(3.4)	42.7	(1.6)	62.8	(0.9)	80.1	(1.1)	89.8	(1.9)
	Sweden	19.3	(1.8)	30.3	(1.0)	43.2	(2.1)	63.7	(3.1)	37.9	(2.3)	58.7	(1.1)	74.7	(1.5)	88.2	(2.0)
	Switzerland	29.2	(1.6)	35.2	(0.9)	52.1	(1.6)	68.9	(2.7)	42.9	(1.7)	54.9	(1.0)	72.7	(1.6)	84.9	(2.1)
	Turkey	47.1	(1.7)	55.7	(1.6)	78.6	(2.5)	c	c	71.3	(1.5)	81.6	(1.0)	93.0	(1.6)	c	c
	United Kingdom	37.7	(2.2)	46.9	(1.2)	62.0	(1.5)	78.7	(1.4)	48.9	(2.1)	63.6	(1.2)	80.2	(1.5)	90.6	(1.2)
	United States	33.7	(1.7)	35.6	(1.1)	53.7	(2.3)	67.2	(2.9)	54.1	(1.5)	63.4	(1.1)	82.2	(1.6)	91.0	(1.8)
	OECD average	30.2	(0.4)	36.7	(0.2)	52.7	(0.4)	67.6	(0.5)	48.8	(0.4)	62.3	(0.2)	77.6	(0.3)	87.5	(0.4)
	Partners	Argentina	37.9	(1.4)	30.3	(1.6)	36.1	(5.4)	c	c	69.1	(1.4)	74.6	(1.4)	79.2	(3.7)	c
Azerbaijan		67.3	(1.3)	69.7	(1.6)	c	c	c	c	84.8	(0.9)	88.8	(1.0)	c	c	c	c
Brazil		50.1	(1.3)	41.9	(1.7)	48.4	(5.7)	c	c	84.0	(0.8)	87.3	(1.1)	94.5	(2.2)	c	c
Bulgaria		48.7	(1.7)	44.6	(1.5)	43.7	(2.7)	57.2	(5.2)	81.1	(1.4)	87.5	(0.9)	91.8	(1.6)	94.6	(1.9)
Chile		42.2	(1.5)	45.1	(1.4)	59.4	(2.9)	c	c	70.7	(1.3)	75.5	(1.2)	84.4	(2.1)	c	c
Colombia		72.8	(1.5)	68.5	(1.9)	c	c	c	c	90.2	(1.1)	90.7	(1.0)	c	c	c	c
Croatia		39.3	(2.0)	37.1	(1.2)	40.4	(2.2)	49.8	(3.9)	69.8	(1.9)	78.0	(1.0)	84.4	(1.8)	86.6	(3.2)
Estonia		39.6	(3.5)	36.4	(1.0)	42.6	(1.9)	54.5	(2.4)	70.1	(3.0)	75.8	(1.0)	81.5	(1.4)	89.8	(1.5)
Hong Kong-China		39.0	(3.0)	48.2	(1.5)	59.4	(1.7)	70.8	(2.1)	58.9	(3.1)	80.9	(1.0)	91.7	(0.8)	96.9	(0.9)
Indonesia		78.3	(1.2)	74.1	(2.2)	c	c	c	c	95.1	(0.4)	97.0	(0.7)	c	c	c	c
Israel		37.1	(1.6)	40.0	(1.5)	52.1	(2.7)	60.2	(4.7)	55.8	(1.5)	67.8	(1.4)	81.7	(2.5)	87.8	(2.9)
Jordan		75.6	(1.1)	80.4	(1.1)	88.9	(2.4)	c	c	83.1	(1.0)	90.5	(0.8)	95.4	(1.4)	c	c
Kyrgyzstan		77.4	(0.7)	67.3	(2.5)	c	c	c	c	92.4	(0.5)	91.8	(1.3)	c	c	c	c
Latvia		31.9	(2.6)	24.8	(1.2)	25.5	(2.3)	32.7	(4.5)	75.4	(2.5)	80.7	(0.9)	84.4	(2.1)	86.6	(3.0)
Liechtenstein		11.6	(5.6)	35.8	(3.8)	46.5	(6.4)	60.6	(8.7)	15.8	(6.7)	44.0	(3.6)	60.0	(5.8)	73.8	(7.7)
Lithuania		37.6	(2.0)	36.3	(1.1)	47.4	(2.5)	56.3	(3.9)	76.7	(1.8)	86.1	(0.9)	92.1	(1.2)	96.2	(1.5)
Macao-China		48.7	(3.2)	53.3	(1.2)	64.2	(1.7)	73.3	(4.6)	71.0	(2.5)	85.4	(0.9)	93.6	(0.9)	98.0	(1.5)
Montenegro		55.3	(1.5)	49.4	(1.4)	59.4	(5.9)	c	c	81.1	(1.3)	77.8	(1.4)	85.6	(4.1)	c	c
Qatar		54.8	(0.8)	65.2	(1.5)	c	c	c	c	73.9	(0.7)	88.1	(1.1)	c	c	c	c
Romania		55.6	(2.2)	50.1	(1.7)	52.7	(4.7)	c	c	81.5	(1.2)	90.1	(1.2)	92.7	(1.8)	c	c
Russian Federation		48.7	(2.2)	51.7	(1.2)	52.1	(1.6)	53.5	(4.3)	75.3	(1.5)	83.5	(0.9)	89.0	(1.3)	90.8	(2.4)
Serbia		47.4	(1.4)	35.7	(1.2)	40.9	(3.5)	c	c	71.9	(1.3)	68.2	(1.2)	70.9	(3.1)	c	c
Slovenia		41.1	(2.1)	42.1	(1.0)	44.9	(2.0)	52.0	(2.6)	52.0	(2.2)	54.4	(1.2)	62.1	(1.8)	70.1	(2.5)
Chinese Taipei		38.5	(2.2)	37.5	(1.0)	47.6	(1.4)	55.6	(1.8)	59.9	(1.9)	74.3	(0.9)	88.5	(0.9)	94.1	(0.9)
Thailand	73.2	(1.3)	74.7	(1.1)	85.6	(3.1)	c	c	91.7	(0.8)	95.6	(0.4)	98.7	(1.1)	c	c	
Tunisia	73.6	(1.2)	79.6	(1.7)	c	c	c	c	93.5	(0.6)	96.3	(0.6)	c	c	c	c	
Uruguay	36.9	(1.7)	35.4	(1.2)	44.1	(3.5)	c	c	72.2	(1.4)	75.0	(1.0)	81.5	(2.5)	c	c	

[Part 3/3]

Table A3.5b Enjoyment of science (underlying percentages), by performance group

		Percentage of students agreeing or strongly agreeing with the following statements							
		I am interested in learning about science							
		Lowest performers		Moderate performers		Strong performers		Top performers	
		%	S.E.	%	S.E.	%	S.E.	%	S.E.
OECD	Australia	37.3	(1.8)	53.3	(0.8)	74.1	(1.2)	87.2	(1.1)
	Austria	32.2	(2.4)	38.1	(1.4)	56.3	(1.9)	68.5	(2.8)
	Belgium	54.8	(2.9)	62.4	(1.0)	77.2	(1.1)	89.7	(1.3)
	Canada	54.1	(2.1)	64.6	(1.0)	79.7	(1.3)	90.7	(1.0)
	Czech Republic	50.9	(2.4)	58.7	(1.5)	66.7	(2.1)	78.2	(2.6)
	Denmark	46.4	(2.0)	58.9	(1.1)	78.9	(1.8)	87.3	(2.9)
	Finland	43.5	(4.4)	58.4	(1.3)	73.9	(1.5)	84.6	(1.6)
	France	65.4	(1.7)	74.9	(1.0)	88.3	(1.0)	96.2	(1.0)
	Germany	43.4	(2.6)	54.5	(1.2)	68.7	(1.7)	82.1	(1.7)
	Greece	56.7	(1.6)	69.5	(1.3)	83.5	(2.3)	90.8	(3.6)
	Hungary	60.9	(2.4)	69.6	(1.0)	79.6	(1.8)	89.6	(2.2)
	Iceland	30.1	(1.8)	53.1	(1.2)	78.4	(2.1)	87.8	(2.5)
	Ireland	40.8	(2.0)	59.8	(1.2)	79.1	(1.3)	89.8	(1.8)
	Italy	64.1	(1.3)	72.8	(0.8)	84.2	(1.0)	89.6	(2.1)
	Japan	28.1	(1.9)	41.9	(1.4)	58.1	(1.8)	74.3	(1.9)
	Korea	21.8	(2.0)	37.9	(1.1)	63.2	(1.7)	79.3	(2.4)
	Luxembourg	44.0	(1.9)	52.2	(1.1)	68.9	(1.7)	81.1	(2.9)
	Mexico	84.8	(0.9)	85.4	(0.7)	91.0	(2.1)	c	c
	Netherlands	35.0	(3.0)	35.5	(1.3)	55.1	(1.7)	74.0	(2.2)
	New Zealand	47.5	(2.4)	57.5	(1.5)	73.8	(1.7)	87.3	(1.3)
	Norway	40.9	(1.7)	60.0	(1.1)	81.2	(1.7)	90.3	(2.4)
	Poland	39.1	(2.3)	40.8	(1.2)	51.3	(1.7)	63.1	(2.7)
	Portugal	76.5	(1.8)	84.9	(0.8)	92.1	(1.3)	96.2	(1.7)
	Slovak Republic	48.9	(2.2)	55.8	(1.1)	66.1	(1.9)	71.8	(2.7)
	Spain	52.8	(1.7)	67.6	(0.9)	83.4	(1.1)	92.4	(1.6)
	Sweden	35.2	(2.3)	53.0	(1.0)	70.5	(2.0)	88.3	(1.9)
	Switzerland	37.0	(1.9)	49.1	(1.1)	68.1	(1.6)	82.0	(2.1)
	Turkey	72.3	(1.3)	82.2	(1.0)	93.4	(1.9)	c	c
United Kingdom	51.8	(2.0)	61.5	(1.2)	75.9	(1.7)	87.3	(1.4)	
United States	56.8	(2.0)	60.4	(1.1)	77.9	(1.5)	87.9	(1.8)	
OECD average	46.3	(0.4)	57.4	(0.2)	73.4	(0.3)	84.6	(0.4)	
Partners	Argentina	77.8	(1.1)	80.2	(1.2)	79.9	(3.8)	c	c
	Azerbaijan	89.1	(0.8)	89.1	(1.2)	c	c	c	c
	Brazil	85.8	(0.8)	84.7	(1.0)	92.3	(2.2)	c	c
	Bulgaria	83.1	(1.2)	89.3	(0.8)	94.9	(1.3)	96.6	(2.1)
	Chile	71.9	(1.3)	73.3	(1.1)	84.2	(2.1)	c	c
	Colombia	94.2	(0.6)	93.6	(1.1)	c	c	c	c
	Croatia	56.8	(1.8)	61.8	(1.1)	70.5	(1.8)	75.7	(3.9)
	Estonia	43.8	(3.3)	53.7	(1.1)	61.6	(1.8)	69.7	(2.4)
	Hong Kong-China	51.9	(3.1)	71.4	(1.6)	84.6	(1.3)	93.6	(1.0)
	Indonesia	89.4	(0.7)	89.3	(1.5)	c	c	c	c
	Israel	47.1	(1.7)	57.5	(1.5)	73.2	(2.3)	80.9	(4.0)
	Jordan	81.0	(1.1)	86.5	(1.0)	91.2	(1.8)	c	c
	Kyrgyzstan	92.5	(0.5)	83.6	(1.6)	c	c	c	c
	Latvia	59.5	(2.6)	63.0	(1.5)	72.8	(2.2)	80.5	(4.7)
	Liechtenstein	21.0	(6.4)	42.7	(3.7)	54.7	(6.2)	73.6	(7.7)
	Lithuania	64.8	(1.9)	72.0	(1.1)	81.5	(1.6)	87.0	(2.2)
	Macao-China	64.8	(2.4)	76.5	(0.8)	87.5	(1.2)	91.7	(2.7)
	Montenegro	80.7	(1.2)	76.1	(1.2)	81.8	(4.3)	c	c
	Qatar	71.7	(0.7)	85.2	(1.1)	c	c	c	c
	Romania	74.7	(1.4)	82.1	(1.9)	83.8	(3.1)	c	c
	Russian Federation	54.4	(2.3)	59.7	(1.1)	65.5	(2.0)	69.2	(3.1)
	Serbia	77.3	(1.3)	75.2	(1.1)	80.0	(2.6)	c	c
	Slovenia	50.5	(2.1)	49.4	(1.0)	54.7	(1.8)	62.4	(2.5)
Chinese Taipei	50.3	(2.4)	56.5	(1.1)	73.6	(1.2)	82.2	(1.5)	
Thailand	90.5	(0.8)	93.9	(0.6)	98.1	(1.1)	c	c	
Tunisia	89.7	(0.7)	93.9	(0.7)	c	c	c	c	
Uruguay	75.7	(1.2)	74.6	(1.2)	79.5	(2.7)	c	c	



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Table A3.6a Instrumental motivation to learn science (mean index), by performance group

	Lowest performers		Moderate performers		Strong performers		Top performers		Difference in the mean index between strong performers and top performers	
	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Dif.	S.E.
	OECD									
Australia	-0.38	(0.04)	-0.08	(0.02)	0.31	(0.03)	0.65	(0.03)	-0.33	(0.05)
Austria	-0.39	(0.08)	-0.49	(0.03)	-0.33	(0.06)	-0.13	(0.07)	-0.20	(0.09)
Belgium	-0.37	(0.06)	-0.34	(0.02)	-0.10	(0.03)	0.18	(0.04)	-0.29	(0.05)
Canada	-0.03	(0.04)	0.15	(0.02)	0.46	(0.03)	0.79	(0.04)	-0.33	(0.04)
Czech Republic	-0.20	(0.05)	-0.31	(0.03)	-0.21	(0.04)	-0.02	(0.05)	-0.19	(0.05)
Denmark	-0.15	(0.04)	-0.04	(0.02)	0.25	(0.04)	0.50	(0.08)	-0.24	(0.10)
Finland	-0.62	(0.08)	-0.45	(0.02)	-0.15	(0.03)	0.24	(0.03)	-0.39	(0.04)
France	-0.34	(0.05)	-0.22	(0.03)	0.22	(0.03)	0.68	(0.05)	-0.46	(0.07)
Germany	-0.20	(0.05)	-0.16	(0.03)	-0.01	(0.04)	0.27	(0.05)	-0.27	(0.06)
Greece	0.02	(0.03)	0.03	(0.02)	0.28	(0.06)	0.50	(0.11)	-0.22	(0.14)
Hungary	0.03	(0.05)	-0.13	(0.02)	-0.07	(0.05)	0.23	(0.08)	-0.30	(0.09)
Iceland	-0.36	(0.04)	0.00	(0.03)	0.49	(0.05)	0.86	(0.07)	-0.37	(0.09)
Ireland	-0.28	(0.06)	0.04	(0.03)	0.42	(0.04)	0.71	(0.05)	-0.29	(0.07)
Italy	0.03	(0.02)	0.08	(0.02)	0.30	(0.03)	0.48	(0.05)	-0.17	(0.06)
Japan	-0.83	(0.05)	-0.62	(0.03)	-0.27	(0.03)	0.16	(0.04)	-0.42	(0.05)
Korea	-0.53	(0.04)	-0.39	(0.02)	-0.06	(0.04)	0.23	(0.10)	-0.29	(0.09)
Luxembourg	-0.21	(0.04)	-0.21	(0.02)	-0.02	(0.04)	0.27	(0.08)	-0.28	(0.09)
Mexico	0.55	(0.02)	0.52	(0.02)	0.60	(0.06)	c	c	c	c
Netherlands	-0.33	(0.04)	-0.34	(0.02)	-0.18	(0.04)	0.18	(0.05)	-0.36	(0.06)
New Zealand	-0.18	(0.05)	-0.01	(0.03)	0.31	(0.04)	0.64	(0.04)	-0.33	(0.07)
Norway	-0.36	(0.05)	-0.23	(0.02)	0.09	(0.05)	0.44	(0.07)	-0.35	(0.10)
Poland	0.21	(0.04)	0.11	(0.02)	0.18	(0.04)	0.36	(0.05)	-0.18	(0.07)
Portugal	0.12	(0.04)	0.44	(0.03)	1.02	(0.04)	1.19	(0.09)	-0.18	(0.11)
Slovak Republic	-0.19	(0.05)	-0.23	(0.03)	-0.12	(0.04)	0.03	(0.06)	-0.16	(0.07)
Spain	-0.14	(0.03)	-0.06	(0.02)	0.44	(0.04)	0.79	(0.05)	-0.35	(0.06)
Sweden	-0.38	(0.06)	-0.15	(0.02)	0.17	(0.04)	0.62	(0.06)	-0.45	(0.07)
Switzerland	-0.39	(0.04)	-0.39	(0.02)	-0.12	(0.03)	0.26	(0.04)	-0.38	(0.05)
Turkey	0.19	(0.03)	0.41	(0.03)	0.78	(0.08)	c	c	c	c
United Kingdom	-0.08	(0.04)	0.06	(0.02)	0.30	(0.03)	0.64	(0.04)	-0.35	(0.05)
United States	0.17	(0.03)	0.22	(0.02)	0.44	(0.03)	0.65	(0.06)	-0.22	(0.07)
OECD average	-0.23	(0.01)	-0.13	(0.00)	0.14	(0.01)	0.44	(0.01)	-0.30	(0.01)
Partners										
Argentina	0.48	(0.03)	0.38	(0.03)	0.44	(0.12)	c	c	c	c
Azerbaijan	0.56	(0.03)	0.54	(0.03)	c	c	c	c	c	c
Brazil	0.51	(0.02)	0.43	(0.03)	0.50	(0.10)	c	c	c	c
Bulgaria	0.41	(0.03)	0.31	(0.03)	0.32	(0.05)	0.40	(0.10)	-0.08	(0.12)
Chile	0.51	(0.04)	0.47	(0.03)	0.72	(0.08)	c	c	c	c
Colombia	0.70	(0.03)	0.57	(0.03)	c	c	c	c	c	c
Croatia	0.05	(0.06)	0.02	(0.03)	0.08	(0.04)	0.19	(0.07)	-0.12	(0.08)
Estonia	0.11	(0.06)	0.03	(0.02)	0.04	(0.03)	0.19	(0.04)	-0.14	(0.05)
Hong Kong-China	-0.12	(0.07)	0.01	(0.02)	0.22	(0.04)	0.48	(0.04)	-0.26	(0.05)
Indonesia	0.75	(0.02)	0.78	(0.05)	c	c	c	c	c	c
Israel	-0.10	(0.04)	-0.39	(0.03)	-0.68	(0.06)	-0.87	(0.07)	0.19	(0.08)
Jordan	0.65	(0.02)	0.89	(0.02)	1.12	(0.05)	c	c	c	c
Kyrgyzstan	0.90	(0.02)	0.52	(0.04)	c	c	c	c	c	c
Latvia	0.11	(0.04)	-0.04	(0.02)	0.05	(0.04)	0.18	(0.08)	-0.13	(0.08)
Liechtenstein	-0.37	(0.14)	-0.41	(0.08)	-0.35	(0.13)	0.14	(0.16)	-0.48	(0.22)
Lithuania	0.34	(0.03)	0.35	(0.02)	0.42	(0.04)	0.57	(0.07)	-0.15	(0.08)
Macao-China	0.15	(0.05)	0.34	(0.02)	0.54	(0.04)	0.76	(0.08)	-0.22	(0.09)
Montenegro	0.55	(0.02)	0.35	(0.02)	0.29	(0.11)	c	c	c	c
Qatar	0.46	(0.02)	0.76	(0.03)	c	c	c	c	c	c
Romania	0.37	(0.03)	0.42	(0.04)	0.44	(0.09)	c	c	c	c
Russian Federation	0.34	(0.03)	0.20	(0.02)	0.11	(0.04)	0.18	(0.06)	-0.07	(0.07)
Serbia	0.22	(0.03)	0.02	(0.03)	0.14	(0.08)	c	c	c	c
Slovenia	0.02	(0.04)	0.00	(0.02)	0.09	(0.04)	0.28	(0.06)	-0.19	(0.08)
Chinese Taipei	0.15	(0.04)	0.16	(0.02)	0.35	(0.02)	0.56	(0.03)	-0.21	(0.04)
Thailand	0.62	(0.01)	0.77	(0.02)	1.07	(0.07)	c	c	c	c
Tunisia	0.71	(0.02)	1.02	(0.03)	c	c	c	c	c	c
Uruguay	0.25	(0.03)	0.13	(0.03)	0.26	(0.06)	c	c	c	c

Note: Values that are statistically significant are indicated in bold (see Annex B).

[Part 1/3]

Table A3.6b Instrumental motivation to learn science (underlying percentages), by performance group

	Percentage of students agreeing or strongly agreeing with the following statements																			
	Making an effort in my science subject(s) is worth it because this will help me in the work I want to do later on					What I learn in my science subject(s) is important for me because I need this for what I want to study later on														
	Lowest performers		Moderate performers		Strong performers		Top performers		Lowest performers		Moderate performers		Strong performers		Top performers					
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.				
OECD																				
Australia	52.7	(1.8)	61.1	(1.0)	72.6	(1.1)	81.5	(1.4)	42.3	(1.8)	48.6	(1.0)	60.1	(1.4)	70.9	(1.4)				
Austria	48.6	(2.7)	41.0	(1.5)	44.2	(2.5)	51.6	(3.3)	39.7	(2.5)	31.6	(1.2)	37.7	(2.4)	47.1	(3.2)				
Belgium	55.6	(2.4)	49.6	(1.1)	58.5	(1.6)	72.0	(1.9)	49.4	(2.7)	41.2	(1.2)	50.5	(1.6)	65.4	(2.3)				
Canada	68.3	(2.0)	68.8	(1.0)	76.8	(1.5)	84.1	(1.2)	58.4	(2.2)	58.0	(1.2)	65.8	(1.3)	75.5	(1.5)				
Czech Republic	58.1	(2.6)	47.8	(1.5)	48.1	(2.5)	55.8	(2.6)	54.1	(3.2)	48.8	(1.5)	54.0	(2.2)	62.5	(3.0)				
Denmark	61.9	(2.2)	63.1	(1.3)	67.3	(2.2)	73.2	(3.7)	54.1	(2.4)	57.4	(1.2)	67.7	(2.1)	75.1	(3.2)				
Finland	42.2	(4.8)	44.7	(1.5)	56.0	(1.6)	69.2	(1.8)	36.0	(4.6)	31.9	(1.1)	44.8	(1.7)	62.6	(1.9)				
France	54.3	(2.1)	53.2	(1.3)	67.9	(1.7)	83.0	(2.1)	46.5	(2.5)	45.4	(1.5)	61.0	(1.7)	78.6	(2.4)				
Germany	58.7	(2.3)	55.6	(1.3)	57.0	(1.8)	66.3	(2.2)	49.1	(2.2)	44.1	(1.3)	48.0	(1.8)	59.4	(2.0)				
Greece	68.1	(2.0)	62.2	(1.2)	69.5	(2.5)	77.7	(4.3)	62.1	(1.8)	58.6	(1.1)	66.2	(2.3)	74.5	(4.4)				
Hungary	75.2	(2.4)	66.5	(1.4)	66.7	(2.1)	76.1	(3.6)	63.0	(2.8)	53.1	(1.4)	53.1	(2.4)	65.1	(3.2)				
Iceland	50.7	(2.2)	59.0	(1.2)	75.3	(1.8)	86.1	(2.5)	48.3	(2.2)	61.2	(1.3)	77.8	(1.9)	87.8	(2.5)				
Ireland	52.5	(2.6)	63.9	(1.3)	74.1	(1.5)	81.6	(1.9)	43.7	(2.6)	49.8	(1.2)	61.0	(1.8)	72.3	(2.2)				
Italy	64.3	(1.5)	63.1	(1.0)	71.7	(1.5)	81.9	(2.1)	63.9	(1.3)	60.8	(1.1)	69.5	(1.5)	78.3	(2.9)				
Japan	35.4	(2.3)	40.9	(1.5)	50.8	(1.9)	65.7	(2.0)	30.8	(2.0)	35.8	(1.6)	46.0	(1.8)	63.2	(2.1)				
Korea	46.6	(2.2)	52.4	(1.0)	63.4	(1.7)	73.1	(3.0)	40.7	(2.1)	40.6	(1.0)	51.0	(1.9)	62.1	(4.0)				
Luxembourg	58.8	(1.9)	53.5	(1.0)	59.3	(2.1)	68.2	(3.2)	49.8	(1.9)	44.6	(1.3)	52.1	(2.4)	60.0	(3.7)				
Mexico	87.7	(0.7)	84.1	(0.6)	84.4	(2.1)	c	c	85.0	(0.9)	79.8	(0.7)	77.3	(2.8)	c	c				
Netherlands	52.4	(3.8)	52.0	(1.3)	53.6	(1.9)	65.2	(2.3)	45.2	(2.6)	42.6	(1.3)	45.8	(2.1)	60.8	(2.2)				
New Zealand	63.3	(2.6)	63.3	(1.4)	73.2	(1.8)	81.5	(1.5)	52.9	(2.8)	49.4	(1.5)	58.9	(2.0)	70.5	(1.8)				
Norway	52.3	(2.0)	52.5	(1.0)	63.9	(1.9)	76.7	(2.9)	48.0	(2.3)	49.6	(1.1)	60.8	(2.1)	77.0	(2.7)				
Poland	76.5	(1.8)	67.3	(1.1)	63.9	(1.7)	67.7	(2.5)	75.3	(2.0)	69.7	(1.0)	70.7	(1.6)	73.8	(2.6)				
Portugal	65.1	(1.7)	73.9	(1.2)	90.9	(1.4)	95.1	(2.4)	70.0	(1.8)	77.2	(1.1)	92.5	(1.4)	95.6	(2.8)				
Slovak Republic	59.8	(2.6)	52.1	(1.7)	56.1	(2.3)	62.0	(2.9)	47.3	(2.6)	40.1	(1.4)	42.9	(2.3)	48.5	(3.5)				
Spain	61.4	(1.8)	62.7	(0.7)	76.1	(1.5)	85.1	(1.9)	49.5	(1.8)	49.8	(0.9)	67.3	(1.6)	80.5	(1.9)				
Sweden	53.2	(2.3)	58.9	(1.1)	68.4	(1.9)	81.2	(2.5)	44.1	(2.9)	51.3	(1.1)	62.0	(1.9)	79.5	(2.6)				
Switzerland	50.0	(2.1)	49.0	(1.0)	57.6	(1.5)	70.2	(2.2)	41.2	(2.2)	39.2	(1.1)	46.7	(1.6)	62.0	(2.0)				
Turkey	77.2	(1.2)	81.6	(1.1)	90.7	(2.0)	c	c	75.1	(1.4)	80.5	(1.2)	90.3	(2.2)	c	c				
United Kingdom	65.9	(1.9)	68.1	(1.0)	74.2	(1.3)	83.3	(1.6)	53.0	(1.9)	49.8	(1.2)	54.6	(1.7)	68.0	(1.7)				
United States	77.4	(1.9)	76.9	(1.0)	80.2	(1.6)	84.9	(2.0)	70.1	(1.7)	65.9	(1.1)	68.3	(1.7)	74.1	(2.7)				
OECD average	58.2	(0.5)	58.0	(0.2)	65.6	(0.3)	75.0	(0.5)	51.0	(0.5)	49.9	(0.2)	58.5	(0.4)	69.7	(0.5)				
Partners																				
Argentina	84.2	(1.0)	78.3	(1.4)	80.5	(5.0)	c	c	79.5	(1.2)	70.0	(1.4)	70.5	(5.8)	c	c				
Azerbaijan	84.5	(0.8)	82.0	(1.3)	c	c	c	c	79.2	(1.3)	76.5	(1.6)	c	c	c	c				
Brazil	81.7	(1.0)	75.3	(1.4)	73.8	(4.4)	c	c	78.2	(1.1)	70.8	(1.5)	68.7	(4.9)	c	c				
Bulgaria	79.8	(1.7)	70.9	(1.2)	66.9	(3.0)	75.1	(5.1)	79.5	(1.3)	72.8	(1.2)	71.7	(3.4)	75.3	(5.2)				
Chile	84.6	(1.2)	79.8	(1.2)	81.6	(3.0)	c	c	76.3	(1.5)	68.6	(1.5)	75.7	(3.4)	c	c				
Colombia	88.6	(0.9)	84.0	(1.4)	c	c	c	c	84.1	(1.3)	77.1	(1.7)	c	c	c	c				
Croatia	64.7	(2.4)	61.2	(1.5)	59.3	(2.0)	64.7	(4.0)	68.7	(2.0)	68.8	(1.3)	71.0	(1.8)	75.6	(3.3)				
Estonia	78.4	(3.1)	70.8	(1.1)	66.9	(1.5)	71.8	(2.2)	69.3	(3.2)	61.8	(1.2)	59.3	(1.7)	64.8	(2.8)				
Hong Kong-China	67.4	(3.8)	69.5	(1.3)	74.2	(1.6)	81.7	(1.6)	57.5	(5.7)	59.0	(1.5)	64.2	(1.6)	73.9	(1.7)				
Indonesia	95.2	(0.5)	95.0	(1.1)	c	c	c	c	93.8	(0.5)	95.6	(0.6)	c	c	c	c				
Israel	58.0	(1.9)	44.5	(1.4)	32.4	(2.4)	26.4	(3.4)	53.0	(1.9)	44.0	(1.4)	32.8	(2.4)	25.5	(3.4)				
Jordan	92.0	(0.8)	95.4	(0.5)	95.6	(1.4)	c	c	84.1	(0.9)	89.5	(0.7)	93.7	(1.7)	c	c				
Kyrgyzstan	94.7	(0.4)	81.3	(1.9)	c	c	c	c	92.0	(0.5)	84.5	(1.5)	c	c	c	c				
Latvia	73.0	(2.0)	61.8	(1.3)	63.3	(2.6)	66.3	(4.5)	71.3	(2.1)	67.6	(1.3)	73.9	(2.2)	75.5	(3.5)				
Liechtenstein	57.8	(7.3)	47.4	(4.4)	44.8	(6.5)	59.0	(9.1)	43.1	(7.7)	40.0	(4.4)	31.8	(6.2)	54.6	(7.2)				
Lithuania	81.9	(1.6)	81.5	(0.8)	81.4	(1.6)	83.0	(2.7)	77.8	(1.6)	79.2	(0.8)	78.9	(1.7)	82.1	(2.9)				
Macao-China	76.1	(2.6)	82.8	(1.1)	83.6	(2.2)	88.7	(3.1)	71.8	(2.8)	78.1	(1.3)	84.7	(2.0)	90.0	(3.0)				
Montenegro	85.5	(1.0)	79.4	(1.1)	78.3	(4.4)	c	c	79.5	(1.2)	72.4	(1.1)	67.7	(5.3)	c	c				
Qatar	82.0	(0.6)	85.3	(1.2)	c	c	c	c	77.7	(0.7)	84.0	(1.2)	c	c	c	c				
Romania	82.5	(1.1)	81.2	(1.1)	78.9	(4.1)	c	c	81.1	(1.3)	81.1	(1.4)	75.2	(4.2)	c	c				
Russian Federation	81.5	(1.5)	73.5	(1.0)	66.7	(2.4)	67.8	(3.7)	79.2	(1.4)	74.9	(1.1)	72.8	(2.4)	74.3	(3.2)				
Serbia	76.5	(1.4)	64.4	(1.4)	66.0	(4.3)	c	c	62.7	(1.5)	52.7	(1.6)	60.2	(3.9)	c	c				
Slovenia	72.5	(1.9)	68.1	(1.1)	69.9	(1.8)	73.7	(2.4)	64.3	(2.3)	61.1	(1.2)	61.8	(2.1)	69.7	(2.5)				
Chinese Taipei	76.3	(2.3)	74.9	(1.1)	76.2	(1.1)	81.8	(1.3)	68.5	(1.9)	61.3	(1.0)	64.9	(1.3)	73.0	(1.8)				
Thailand	94.8	(0.5)	93.9	(0.6)	96.0	(2.2)	c	c	91.1	(0.7)	93.5	(0.5)	95.4	(1.7)	c	c				
Tunisia	88.3	(0.7)	90.3	(1.0)	c	c	c	c	83.9	(1.0)	89.1	(1.1)	c	c	c	c				
Uruguay	79.4	(1.4)	71.1	(1.2)	71.5	(2.7)	c	c	70.0	(1.4)	58.4	(1.4)	60.6	(3.0)	c	c				



[Part 2/3]

Table A3.6b Instrumental motivation to learn science (underlying percentages), by performance group

	Percentage of students agreeing or strongly agreeing with the following statements																
	I study science because I know it is useful for me								Studying my science subject(s) is worthwhile for me because what I learn will improve my career prospects								
	Lowest performers		Moderate performers		Strong performers		Top performers		Lowest performers		Moderate performers		Strong performers		Top performers		
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	
OECD	Australia	50.2	(1.8)	62.6	(0.9)	77.7	(1.0)	87.6	(1.0)	44.8	(1.8)	57.5	(0.9)	73.1	(1.5)	82.9	(1.3)
	Austria	50.7	(2.7)	51.5	(1.4)	60.0	(2.5)	67.6	(2.9)	46.0	(2.3)	44.6	(1.4)	47.7	(2.6)	54.2	(3.3)
	Belgium	49.4	(2.4)	50.8	(1.3)	63.3	(1.7)	76.8	(1.9)	50.8	(3.0)	48.8	(1.1)	59.1	(1.5)	71.4	(2.2)
	Canada	60.9	(2.0)	71.0	(1.0)	79.9	(1.1)	88.3	(1.0)	58.0	(2.2)	67.1	(1.1)	77.6	(1.3)	85.8	(1.2)
	Czech Republic	53.3	(2.3)	60.0	(1.6)	66.5	(2.4)	74.7	(2.4)	49.3	(2.8)	45.4	(1.5)	50.4	(2.0)	59.5	(2.6)
	Denmark	57.4	(2.5)	64.3	(1.2)	77.5	(2.0)	80.8	(3.5)	53.5	(2.0)	58.6	(1.2)	69.8	(2.2)	78.2	(2.8)
	Finland	35.9	(4.6)	53.0	(1.2)	68.6	(1.6)	81.9	(1.9)	35.1	(4.2)	40.1	(1.2)	54.2	(1.6)	69.2	(1.8)
	France	52.9	(2.1)	63.6	(1.4)	79.7	(1.8)	88.9	(2.2)	51.3	(2.2)	56.4	(1.3)	71.8	(1.6)	84.6	(2.1)
	Germany	57.4	(2.1)	62.3	(1.4)	71.0	(2.7)	79.3	(1.8)	49.8	(2.3)	51.6	(1.3)	58.7	(1.7)	68.5	(1.9)
	Greece	62.9	(1.9)	69.4	(1.2)	80.4	(2.2)	83.9	(4.5)	60.6	(1.8)	61.6	(1.2)	71.2	(2.3)	75.4	(4.8)
	Hungary	66.6	(2.6)	65.3	(1.3)	66.3	(2.0)	75.1	(3.3)	61.1	(3.0)	50.6	(1.6)	48.9	(2.7)	62.5	(3.5)
	Iceland	46.1	(2.1)	62.8	(1.3)	80.0	(1.8)	88.6	(2.2)	46.0	(2.1)	57.3	(1.3)	74.3	(1.9)	85.7	(2.6)
	Ireland	52.5	(2.5)	69.9	(1.2)	83.7	(1.6)	91.3	(1.5)	49.0	(2.4)	64.6	(1.3)	80.0	(1.4)	86.6	(1.6)
	Italy	69.0	(1.2)	76.2	(0.7)	84.5	(1.2)	88.6	(1.8)	65.5	(1.3)	71.3	(0.7)	79.6	(1.2)	82.7	(2.5)
	Japan	25.3	(1.9)	33.8	(1.6)	49.6	(1.6)	65.1	(1.6)	24.7	(1.7)	32.6	(1.5)	48.1	(1.5)	66.6	(1.9)
	Korea	43.6	(2.2)	51.2	(1.1)	63.9	(1.8)	68.6	(3.9)	40.0	(2.2)	46.0	(1.2)	61.2	(1.9)	72.2	(3.4)
	Luxembourg	55.1	(1.7)	59.5	(1.0)	67.6	(2.2)	75.6	(3.1)	52.1	(1.8)	52.1	(1.2)	57.8	(1.9)	65.9	(3.3)
	Mexico	84.1	(0.8)	88.0	(0.5)	90.3	(2.5)	c	c	84.1	(0.9)	85.8	(0.6)	85.3	(2.0)	c	c
	Netherlands	52.6	(3.2)	57.8	(1.3)	66.1	(2.0)	76.1	(2.1)	51.0	(3.1)	52.0	(1.2)	56.8	(1.8)	69.2	(2.3)
	New Zealand	55.5	(2.8)	64.2	(1.2)	78.7	(1.5)	86.8	(1.5)	54.0	(2.6)	61.2	(1.2)	74.7	(1.7)	85.0	(1.6)
	Norway	49.9	(2.3)	57.9	(1.1)	70.8	(2.6)	81.1	(3.2)	49.7	(2.2)	55.8	(1.0)	69.2	(2.2)	80.0	(2.9)
	Poland	71.5	(2.0)	72.4	(1.0)	75.6	(1.5)	78.0	(2.3)	74.8	(2.0)	72.2	(1.0)	73.1	(1.8)	76.8	(2.6)
	Portugal	76.1	(2.0)	84.3	(1.0)	94.9	(1.2)	96.6	(1.9)	71.6	(1.6)	81.6	(1.0)	94.1	(1.0)	96.1	(1.6)
	Slovak Republic	57.0	(2.6)	61.5	(1.6)	66.9	(2.2)	74.2	(3.6)	52.8	(2.8)	54.2	(1.5)	62.1	(2.3)	70.6	(3.4)
	Spain	55.6	(1.6)	63.0	(0.8)	78.3	(1.4)	87.9	(1.8)	53.4	(1.8)	59.2	(0.8)	75.9	(1.5)	86.7	(2.3)
	Sweden	50.2	(2.4)	59.6	(1.3)	69.8	(1.8)	81.6	(2.3)	48.6	(2.9)	59.4	(1.0)	72.3	(1.7)	86.0	(2.1)
	Switzerland	48.4	(1.8)	54.3	(1.1)	68.0	(1.4)	79.5	(2.1)	45.6	(2.1)	43.9	(1.1)	53.9	(1.7)	67.8	(1.7)
	Turkey	67.0	(1.5)	76.0	(1.1)	87.9	(2.2)	c	c	70.8	(1.3)	74.0	(1.2)	81.4	(2.6)	c	c
United Kingdom	63.3	(1.9)	72.0	(1.1)	79.8	(1.3)	88.0	(1.5)	60.0	(1.8)	67.9	(1.1)	76.6	(1.6)	85.3	(1.6)	
United States	70.6	(1.6)	75.6	(1.1)	82.3	(1.3)	86.8	(1.7)	66.3	(1.5)	66.9	(1.3)	74.6	(1.6)	83.1	(1.9)	
OECD average	55.0	(0.4)	62.5	(0.2)	73.3	(0.3)	81.4	(0.5)	52.3	(0.4)	56.5	(0.2)	66.7	(0.3)	76.4	(0.5)	
Partners	Argentina	80.4	(1.1)	79.9	(1.2)	81.0	(5.1)	c	c	78.8	(1.2)	79.7	(1.1)	80.8	(4.2)	c	c
	Azerbaijan	84.8	(1.0)	86.9	(1.4)	c	c	c	c	80.9	(1.1)	80.0	(1.5)	c	c	c	c
	Brazil	86.8	(0.7)	88.3	(0.9)	88.3	(2.8)	c	c	83.2	(0.7)	80.2	(1.1)	81.5	(3.7)	c	c
	Bulgaria	83.5	(1.3)	87.0	(0.9)	91.1	(1.8)	91.3	(3.0)	78.0	(1.3)	75.8	(1.2)	76.7	(2.2)	81.3	(3.9)
	Chile	78.1	(1.3)	79.0	(1.1)	86.7	(1.8)	c	c	78.3	(1.5)	76.0	(1.3)	83.3	(2.6)	c	c
	Colombia	89.3	(1.1)	90.2	(0.9)	c	c	c	c	86.0	(1.0)	81.7	(1.3)	c	c	c	c
	Croatia	67.6	(2.1)	70.7	(1.2)	74.0	(2.1)	77.4	(3.5)	61.0	(2.7)	60.3	(1.6)	64.4	(2.1)	68.1	(3.6)
	Estonia	67.9	(3.4)	74.0	(0.9)	79.7	(1.6)	85.3	(1.5)	66.6	(3.1)	64.1	(1.2)	62.8	(1.7)	68.4	(2.4)
	Hong Kong-China	63.1	(4.6)	66.9	(1.1)	75.0	(1.5)	82.8	(1.8)	63.2	(4.4)	67.9	(1.3)	73.9	(1.6)	80.8	(1.4)
	Indonesia	94.1	(0.5)	95.4	(0.7)	c	c	c	c	88.7	(0.7)	87.5	(1.1)	c	c	c	c
	Israel	48.2	(1.8)	38.8	(1.5)	27.8	(2.1)	19.5	(3.0)	47.9	(1.7)	36.3	(1.3)	26.7	(2.4)	18.4	(3.2)
	Jordan	84.0	(0.9)	91.5	(0.7)	93.9	(2.1)	c	c	82.4	(0.9)	89.2	(0.8)	93.2	(1.9)	c	c
	Kyrgyzstan	90.2	(0.5)	86.2	(1.6)	c	c	c	c	88.7	(0.6)	71.9	(1.8)	c	c	c	c
	Latvia	72.4	(2.1)	76.3	(1.1)	82.7	(1.4)	87.3	(2.9)	57.5	(2.8)	47.8	(1.4)	51.5	(3.0)	58.3	(4.4)
	Liechtenstein	42.3	(7.8)	51.6	(4.2)	58.6	(5.5)	81.1	(7.5)	44.7	(8.8)	40.8	(4.6)	38.7	(5.6)	61.7	(8.4)
	Lithuania	81.8	(1.6)	85.8	(0.8)	91.5	(1.2)	92.7	(1.9)	71.6	(1.9)	68.0	(1.1)	67.1	(2.3)	72.3	(3.3)
	Macao-China	76.4	(2.5)	84.6	(0.9)	89.4	(1.4)	94.2	(2.6)	70.3	(2.8)	77.8	(1.3)	82.5	(2.4)	89.2	(3.3)
	Montenegro	84.3	(1.0)	84.7	(1.0)	86.3	(4.8)	c	c	77.4	(1.3)	70.0	(1.1)	65.4	(4.6)	c	c
	Qatar	76.3	(0.7)	89.2	(1.1)	c	c	c	c	72.7	(0.6)	85.4	(1.1)	c	c	c	c
	Romania	75.0	(1.5)	80.7	(1.2)	82.2	(4.1)	c	c	78.6	(1.4)	82.5	(1.4)	81.5	(3.8)	c	c
	Russian Federation	78.9	(1.3)	74.5	(0.9)	72.0	(1.7)	73.6	(3.4)	72.5	(1.4)	63.2	(1.2)	57.2	(2.3)	59.6	(3.6)
	Serbia	77.1	(1.3)	77.1	(1.0)	80.7	(2.1)	c	c	69.7	(1.4)	63.9	(1.5)	70.1	(3.5)	c	c
	Slovenia	68.5	(2.0)	70.4	(1.2)	75.9	(2.3)	78.3	(2.6)	61.3	(2.2)	62.3	(1.4)	63.4	(2.5)	71.1	(2.8)
	Chinese Taipei	73.7	(2.0)	80.4	(0.9)	87.2	(1.0)	92.2	(0.9)	72.0	(2.4)	73.0	(1.0)	77.4	(1.0)	83.4	(1.3)
	Thailand	93.2	(0.6)	96.9	(0.4)	97.9	(0.9)	c	c	92.1	(0.6)	93.4	(0.6)	94.1	(2.5)	c	c
	Tunisia	86.4	(1.0)	94.1	(0.9)	c	c	c	c	81.2	(1.0)	89.6	(1.1)	c	c	c	c
	Uruguay	74.9	(1.4)	74.1	(1.2)	77.5	(2.9)	c	c	67.2	(1.5)	61.8	(1.5)	69.7	(2.6)	c	c

[Part 3/3]

Table A3.6b Instrumental motivation to learn science (underlying percentages), by performance group

	Percentage of students agreeing or strongly agreeing with the following statements							
	I will learn many things in my science subject(s) what will help me get a job							
	Lowest performers		Moderate performers		Strong performers		Top performers	
	%	S.E.	%	S.E.	%	S.E.	%	S.E.
OECD								
Australia	46.7	(1.5)	56.0	(0.9)	68.2	(1.3)	76.9	(1.3)
Austria	42.9	(3.1)	36.2	(1.4)	38.0	(2.6)	41.0	(3.5)
Belgium	45.4	(2.3)	44.0	(1.2)	49.8	(1.6)	58.7	(2.5)
Canada	59.0	(2.0)	64.7	(1.0)	72.6	(1.2)	78.9	(1.5)
Czech Republic	50.9	(2.5)	44.9	(1.2)	46.8	(2.1)	53.1	(2.6)
Denmark	52.4	(2.4)	50.9	(1.3)	59.2	(2.6)	68.8	(3.5)
Finland	34.4	(4.0)	38.2	(1.2)	51.7	(1.6)	64.1	(2.0)
France	44.3	(2.4)	43.9	(1.4)	53.2	(2.0)	67.6	(2.9)
Germany	51.3	(2.4)	47.6	(1.3)	50.7	(2.2)	58.0	(2.1)
Greece	60.1	(1.9)	56.4	(1.3)	57.9	(3.0)	63.3	(4.9)
Hungary	60.8	(3.0)	51.1	(1.6)	50.3	(2.6)	58.4	(4.1)
Iceland	42.6	(2.1)	54.4	(1.4)	70.2	(2.2)	80.6	(3.3)
Ireland	52.0	(2.5)	64.3	(1.2)	74.3	(1.6)	80.9	(2.1)
Italy	61.0	(1.3)	61.4	(1.0)	67.4	(1.7)	70.3	(2.8)
Japan	26.4	(1.9)	31.7	(1.5)	44.5	(1.6)	59.2	(2.0)
Korea	38.9	(1.9)	41.7	(1.1)	52.9	(1.7)	60.3	(3.2)
Luxembourg	50.8	(1.8)	47.0	(1.1)	52.6	(2.1)	57.7	(3.3)
Mexico	81.2	(0.8)	77.3	(0.8)	74.5	(3.0)	c	c
Netherlands	45.4	(2.4)	40.5	(1.4)	43.6	(1.9)	57.3	(2.5)
New Zealand	55.5	(2.5)	59.8	(1.2)	71.4	(1.8)	78.9	(1.7)
Norway	45.2	(2.4)	44.2	(0.9)	55.8	(2.4)	70.3	(3.2)
Poland	71.6	(1.9)	65.9	(1.1)	61.3	(1.8)	65.6	(2.7)
Portugal	67.1	(1.8)	76.3	(1.3)	89.6	(1.5)	90.4	(2.6)
Slovak Republic	53.8	(2.2)	50.0	(1.4)	53.4	(2.1)	60.1	(3.1)
Spain	59.1	(1.5)	58.8	(0.9)	70.7	(1.7)	79.7	(2.4)
Sweden	41.2	(2.2)	48.7	(1.1)	58.6	(1.9)	73.5	(3.7)
Switzerland	41.7	(2.1)	36.7	(1.1)	43.8	(1.8)	53.0	(2.1)
Turkey	67.4	(1.6)	68.6	(1.2)	78.7	(2.9)	c	c
United Kingdom	57.7	(1.8)	62.3	(1.2)	69.9	(1.5)	78.2	(1.8)
United States	69.1	(1.9)	68.1	(1.1)	72.8	(1.6)	77.2	(2.2)
OECD average	51.0	(0.4)	51.6	(0.2)	59.0	(0.4)	67.2	(0.5)
Partners								
Argentina	79.8	(1.3)	76.1	(1.6)	73.3	(4.8)	c	c
Azerbaijan	77.9	(1.0)	73.6	(1.5)	c	c	c	c
Brazil	80.7	(1.0)	74.7	(1.4)	72.5	(4.1)	c	c
Bulgaria	78.7	(1.5)	72.0	(1.4)	66.2	(2.6)	67.7	(5.3)
Chile	78.6	(1.3)	71.7	(1.6)	75.6	(3.8)	c	c
Colombia	82.5	(1.6)	75.0	(1.9)	c	c	c	c
Croatia	65.0	(2.3)	62.8	(1.4)	63.0	(2.0)	64.4	(3.9)
Estonia	62.0	(3.0)	52.3	(1.2)	47.5	(1.7)	51.1	(2.7)
Hong Kong-China	60.2	(4.3)	61.0	(1.4)	65.0	(1.6)	71.9	(1.5)
Indonesia	87.5	(0.8)	85.0	(1.6)	c	c	c	c
Israel	51.4	(1.5)	44.7	(1.3)	34.4	(2.2)	32.2	(3.3)
Jordan	82.7	(1.0)	88.6	(0.8)	92.5	(1.9)	c	c
Kyrgyzstan	89.8	(0.6)	74.8	(2.1)	c	c	c	c
Latvia	62.4	(2.0)	54.5	(1.2)	55.0	(2.7)	62.1	(5.1)
Liechtenstein	49.5	(8.0)	38.3	(4.0)	38.0	(5.6)	61.6	(7.8)
Lithuania	72.5	(1.6)	66.9	(1.0)	64.0	(2.5)	69.6	(3.9)
Macao-China	71.1	(2.4)	75.5	(1.2)	76.6	(2.4)	80.8	(3.6)
Montenegro	77.8	(1.1)	69.4	(1.1)	69.7	(5.5)	c	c
Qatar	74.8	(0.6)	81.4	(1.2)	c	c	c	c
Romania	79.2	(1.5)	78.5	(1.6)	75.5	(4.7)	c	c
Russian Federation	74.0	(1.5)	64.1	(1.2)	56.6	(2.0)	57.8	(3.6)
Serbia	70.6	(1.4)	58.9	(1.3)	60.1	(3.4)	c	c
Slovenia	61.5	(2.0)	60.1	(1.1)	61.2	(2.2)	67.9	(3.0)
Chinese Taipei	73.5	(2.5)	71.9	(1.0)	72.9	(0.9)	78.0	(1.5)
Thailand	90.4	(0.7)	90.6	(0.7)	92.7	(2.3)	c	c
Tunisia	81.2	(0.9)	88.0	(1.1)	c	c	c	c
Uruguay	69.2	(1.6)	62.2	(1.3)	63.4	(2.9)	c	c



[Part 1/3]

Table A3.7 Importance of doing well in science, mathematics and reading, by performance group

	Students reporting doing well in science is very important								Students reporting doing well in mathematics is very important									
	Lowest performers		Moderate performers		Strong performers		Top performers		Lowest performers		Moderate performers		Strong performers		Top performers			
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.		
OECD																		
Australia	14.3	(1.3)	23.6	(0.7)	38.7	(1.3)	52.2	(1.3)	54.1	(1.6)	60.6	(1.0)	66.2	(1.3)	68.4	(1.4)		
Austria	21.3	(2.6)	18.2	(1.1)	22.8	(1.8)	33.9	(2.8)	62.2	(2.0)	60.8	(1.2)	54.4	(1.9)	55.2	(3.0)		
Belgium	16.3	(1.6)	15.4	(0.9)	22.7	(1.2)	31.9	(2.0)	40.3	(2.3)	42.9	(1.0)	51.5	(1.4)	59.8	(2.1)		
Canada	26.2	(1.8)	33.1	(0.9)	46.4	(1.2)	60.3	(1.6)	58.9	(1.9)	65.3	(0.9)	70.1	(1.3)	75.3	(1.4)		
Czech Republic	16.7	(1.9)	12.3	(1.1)	16.1	(1.7)	22.9	(2.1)	46.0	(3.0)	49.2	(1.6)	51.7	(2.1)	49.6	(2.2)		
Denmark	17.3	(1.6)	20.6	(1.0)	29.6	(2.1)	39.1	(3.7)	58.4	(2.2)	62.0	(1.3)	67.8	(2.4)	72.2	(3.9)		
Finland	3.7	(1.7)	6.1	(0.6)	11.8	(1.0)	25.0	(1.6)	13.7	(3.7)	24.2	(1.0)	34.0	(1.4)	50.6	(1.6)		
France	16.0	(1.9)	18.0	(1.1)	37.9	(1.8)	60.6	(3.1)	53.0	(2.3)	48.1	(1.4)	55.1	(2.3)	62.7	(3.7)		
Germany	22.8	(1.6)	23.6	(1.2)	28.6	(1.6)	36.9	(2.4)	71.9	(2.1)	69.1	(1.2)	62.3	(1.6)	63.3	(2.4)		
Greece	28.2	(1.9)	31.0	(1.1)	49.9	(2.2)	64.5	(4.0)	42.7	(2.3)	52.4	(1.2)	64.4	(2.0)	71.4	(4.3)		
Hungary	23.3	(2.7)	11.8	(0.8)	18.3	(1.7)	33.4	(3.0)	24.4	(2.5)	28.8	(1.1)	35.7	(2.3)	45.9	(3.5)		
Iceland	19.5	(1.5)	32.3	(1.1)	51.1	(2.1)	63.4	(3.0)	74.1	(1.5)	81.0	(1.0)	83.6	(1.8)	88.2	(2.8)		
Ireland	18.0	(1.7)	25.2	(1.0)	39.8	(2.0)	51.4	(3.0)	73.7	(2.1)	73.0	(1.1)	71.3	(1.8)	75.2	(2.6)		
Italy	27.6	(1.3)	26.0	(1.1)	34.1	(2.0)	44.3	(3.0)	44.3	(1.3)	49.8	(1.0)	56.4	(2.2)	58.9	(3.9)		
Japan	13.5	(2.0)	20.3	(1.1)	29.2	(1.4)	39.1	(1.6)	33.8	(2.1)	46.2	(1.3)	58.5	(1.8)	67.2	(1.9)		
Korea	18.1	(1.7)	20.3	(1.1)	30.3	(1.8)	39.1	(3.9)	38.6	(2.2)	54.6	(1.3)	68.5	(1.6)	74.6	(2.5)		
Luxembourg	24.2	(1.8)	25.8	(1.1)	31.4	(1.9)	43.3	(3.5)	57.7	(1.6)	49.8	(1.1)	49.9	(2.1)	58.9	(3.8)		
Mexico	41.8	(1.4)	40.8	(0.8)	48.2	(3.6)	c	c	74.5	(1.1)	82.4	(0.8)	82.7	(2.2)	c	c		
Netherlands	18.9	(2.0)	19.6	(0.9)	25.3	(1.9)	35.9	(2.8)	37.9	(2.6)	41.3	(1.2)	40.2	(1.7)	42.4	(2.4)		
New Zealand	26.4	(3.2)	25.8	(1.3)	36.8	(1.9)	52.0	(2.3)	59.0	(2.3)	64.6	(1.2)	67.0	(1.5)	70.5	(1.9)		
Norway	22.9	(2.1)	25.8	(1.1)	37.0	(2.9)	47.1	(4.8)	45.4	(2.2)	54.9	(1.3)	67.0	(2.4)	74.5	(4.2)		
Poland	19.7	(1.7)	20.0	(0.8)	31.1	(1.6)	41.2	(3.1)	24.6	(1.6)	33.3	(1.1)	48.4	(2.0)	52.4	(3.2)		
Portugal	20.8	(1.8)	36.5	(1.3)	66.6	(2.5)	78.8	(4.5)	45.5	(1.9)	54.2	(1.3)	68.9	(2.2)	76.6	(4.1)		
Slovak Republic	14.1	(1.4)	14.9	(1.0)	20.0	(1.7)	31.9	(2.7)	42.5	(1.9)	45.5	(1.4)	55.2	(2.4)	58.1	(3.2)		
Spain	23.6	(1.3)	32.3	(1.0)	54.0	(2.3)	69.8	(2.5)	42.5	(1.7)	55.0	(0.9)	67.0	(1.4)	74.5	(2.5)		
Sweden	17.5	(1.8)	23.0	(1.1)	34.0	(1.8)	53.1	(3.2)	62.5	(2.1)	56.8	(1.2)	58.5	(2.0)	66.6	(3.4)		
Switzerland	11.5	(1.4)	12.4	(0.6)	20.4	(1.7)	35.0	(2.4)	69.2	(1.9)	63.1	(1.1)	55.0	(1.7)	50.6	(3.1)		
Turkey	38.9	(1.6)	46.3	(1.3)	61.0	(3.6)	c	c	62.8	(1.7)	75.2	(1.1)	78.6	(3.3)	c	c		
United Kingdom	33.9	(1.6)	37.9	(1.2)	43.6	(1.7)	57.5	(2.0)	62.8	(2.1)	67.4	(1.4)	66.3	(1.8)	67.2	(1.8)		
United States	37.3	(1.7)	39.6	(1.0)	50.3	(1.7)	60.6	(2.7)	64.8	(2.0)	68.4	(1.1)	71.0	(2.1)	75.6	(2.5)		
OECD average	20.5	(0.3)	23.3	(0.2)	34.2	(0.3)	46.6	(0.6)	50.2	(0.4)	54.4	(0.2)	59.5	(0.4)	64.5	(0.6)		
Partners																		
Argentina	42.0	(1.7)	41.1	(1.7)	45.4	(4.9)	c	c	58.8	(1.7)	64.0	(1.5)	59.3	(4.8)	c	c		
Azerbaijan	55.6	(1.4)	51.3	(2.0)	c	c	c	c	50.0	(1.5)	50.6	(2.2)	c	c	c	c		
Brazil	41.8	(1.1)	40.2	(1.4)	45.7	(4.1)	c	c	61.8	(1.1)	68.2	(1.2)	63.5	(4.5)	c	c		
Bulgaria	32.2	(1.7)	30.2	(1.2)	35.5	(2.4)	39.5	(5.8)	48.8	(2.0)	62.2	(1.6)	71.8	(2.6)	73.7	(3.3)		
Chile	44.8	(1.6)	46.2	(1.5)	57.2	(3.9)	c	c	72.5	(1.3)	79.5	(1.1)	81.7	(2.6)	c	c		
Colombia	53.8	(1.4)	52.8	(2.3)	c	c	c	c	67.9	(1.2)	73.8	(1.7)	c	c	c	c		
Croatia	17.1	(1.8)	17.1	(1.1)	22.0	(1.7)	29.2	(3.4)	30.9	(2.1)	37.0	(1.3)	40.7	(2.4)	40.8	(3.6)		
Estonia	21.9	(2.9)	20.8	(1.1)	26.8	(1.7)	34.5	(2.5)	45.9	(3.6)	56.9	(1.4)	61.5	(1.9)	68.4	(2.8)		
Hong Kong-China	12.5	(3.2)	23.5	(1.3)	40.3	(1.7)	56.9	(2.1)	38.0	(4.8)	50.5	(1.9)	59.7	(1.9)	67.2	(1.7)		
Indonesia	41.2	(1.2)	45.8	(2.9)	c	c	c	c	58.5	(1.5)	62.4	(1.5)	c	c	c	c		
Israel	30.3	(1.7)	32.2	(1.5)	45.3	(2.8)	52.0	(3.9)	60.1	(1.7)	72.1	(1.6)	75.6	(2.4)	74.2	(3.1)		
Jordan	55.1	(1.2)	60.3	(1.3)	79.1	(2.6)	c	c	48.3	(1.3)	63.4	(1.4)	80.3	(2.7)	c	c		
Kyrgyzstan	52.2	(1.1)	35.2	(2.4)	c	c	c	c	62.5	(1.0)	59.1	(2.6)	c	c	c	c		
Latvia	15.4	(1.9)	13.6	(0.9)	18.3	(1.7)	29.9	(4.1)	53.8	(2.6)	61.4	(1.2)	64.4	(2.6)	70.1	(4.7)		
Liechtenstein	16.0	(5.8)	19.5	(3.7)	23.3	(6.4)	20.0	(6.0)	62.4	(7.8)	59.2	(3.8)	48.2	(5.9)	43.2	(7.4)		
Lithuania	29.9	(1.6)	30.0	(1.1)	39.7	(2.6)	50.4	(4.6)	50.7	(2.1)	61.1	(1.1)	72.6	(1.9)	75.4	(4.9)		
Macao-China	15.7	(2.7)	22.7	(1.4)	36.5	(2.3)	47.8	(5.2)	38.0	(3.2)	38.4	(1.4)	41.1	(2.1)	41.1	(5.7)		
Montenegro	36.3	(1.2)	30.1	(1.4)	36.8	(7.3)	c	c	38.2	(1.2)	36.1	(1.1)	41.9	(6.6)	c	c		
Qatar	49.4	(0.7)	59.0	(1.7)	c	c	c	c	43.9	(0.9)	66.7	(1.8)	c	c	c	c		
Romania	25.1	(1.3)	23.5	(1.1)	35.3	(5.3)	c	c	49.8	(2.1)	60.0	(1.5)	59.8	(5.7)	c	c		
Russian Federation	24.1	(1.5)	21.1	(0.8)	23.7	(1.9)	29.1	(4.2)	48.4	(1.9)	53.8	(1.3)	58.9	(2.4)	63.2	(3.9)		
Serbia	21.4	(1.2)	20.6	(1.1)	30.0	(3.9)	c	c	34.0	(1.6)	30.7	(1.3)	44.3	(3.4)	c	c		
Slovenia	19.8	(2.0)	18.0	(1.0)	22.5	(1.6)	34.3	(2.8)	41.6	(1.9)	44.8	(1.1)	46.5	(2.0)	52.3	(2.8)		
Chinese Taipei	17.0	(1.8)	21.0	(0.9)	32.8	(1.3)	45.5	(2.0)	27.1	(1.7)	39.4	(1.2)	52.1	(1.3)	60.8	(1.6)		
Thailand	54.0	(1.3)	65.0	(1.2)	85.4	(3.4)	c	c	62.1	(1.2)	74.2	(1.1)	82.8	(3.2)	c	c		
Tunisia	55.5	(1.5)	66.9	(1.9)	c	c	c	c	52.8	(1.4)	65.8	(1.6)	c	c	c	c		
Uruguay	35.3	(1.7)	36.5	(1.4)	44.0	(3.1)	c	c	55.4	(1.6)	59.8	(1.3)	68.7	(3.8)	c	c		

[Part 2/3]

Table A3.7 Importance of doing well in science, mathematics and reading, by performance group

	Students reporting doing well in reading is very important								Students reporting doing well in science is very important or important								
	Lowest performers		Moderate performers		Strong performers		Top performers		Lowest performers		Moderate performers		Strong performers		Top performers		
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	
OECD	Australia	58.8	(1.9)	66.4	(0.8)	66.3	(1.1)	62.6	(1.6)	48.7	(1.8)	65.1	(0.9)	82.2	(1.0)	91.3	(0.9)
	Austria	66.4	(2.7)	56.5	(1.5)	49.8	(2.2)	46.3	(3.3)	60.6	(2.2)	62.0	(1.4)	70.0	(2.2)	76.5	(2.7)
	Belgium	49.4	(2.6)	43.2	(1.0)	30.0	(1.5)	23.0	(2.0)	49.2	(2.3)	58.9	(1.2)	72.2	(1.3)	84.3	(1.4)
	Canada	59.0	(2.1)	57.7	(0.9)	52.4	(1.4)	48.2	(1.6)	67.1	(1.8)	79.8	(0.8)	88.8	(0.9)	94.1	(0.8)
	Czech Republic	49.2	(3.1)	49.7	(1.4)	47.7	(1.9)	37.7	(2.2)	48.8	(3.0)	48.1	(1.7)	60.1	(2.3)	71.3	(2.4)
	Denmark	68.9	(2.2)	69.9	(1.1)	67.0	(1.6)	60.2	(2.9)	59.8	(2.0)	67.2	(1.0)	78.3	(1.7)	86.5	(2.4)
	Finland	18.4	(3.3)	26.3	(1.2)	28.2	(1.5)	30.6	(1.8)	34.6	(4.3)	49.9	(1.3)	67.9	(1.5)	81.7	(1.7)
	France	59.4	(2.1)	49.0	(1.1)	32.8	(1.8)	25.6	(2.7)	50.4	(2.7)	58.7	(1.5)	79.3	(1.6)	89.5	(1.5)
	Germany	71.4	(2.4)	63.6	(1.2)	49.9	(1.7)	39.6	(2.0)	66.1	(2.6)	72.7	(1.3)	80.2	(1.6)	88.7	(1.8)
	Greece	44.1	(2.3)	49.8	(1.1)	45.1	(2.3)	39.0	(5.1)	66.7	(1.9)	73.1	(1.1)	85.6	(1.6)	92.0	(3.3)
	Hungary	30.7	(2.7)	35.0	(1.4)	39.2	(1.8)	33.8	(3.3)	69.4	(2.4)	62.5	(1.3)	68.5	(2.2)	78.8	(3.3)
	Iceland	70.6	(1.8)	67.0	(1.0)	57.2	(2.1)	53.8	(3.8)	47.8	(2.1)	66.1	(1.2)	83.8	(1.7)	93.3	(2.2)
	Ireland	70.3	(2.5)	64.7	(1.4)	59.3	(2.4)	51.0	(3.5)	51.8	(2.2)	72.3	(1.1)	86.2	(1.4)	92.1	(1.4)
	Italy	61.8	(1.4)	60.7	(0.9)	49.9	(1.6)	42.2	(3.4)	77.3	(1.1)	81.6	(0.8)	87.7	(1.0)	93.0	(1.3)
	Japan	43.7	(2.8)	51.1	(1.1)	50.2	(1.6)	47.7	(2.3)	47.5	(2.0)	62.7	(1.1)	76.3	(1.4)	84.7	(1.4)
	Korea	43.9	(2.7)	54.0	(1.3)	59.7	(1.9)	62.0	(4.8)	65.1	(2.4)	71.9	(1.0)	82.2	(1.5)	85.9	(2.2)
	Luxembourg	60.0	(1.9)	51.3	(1.1)	42.8	(2.0)	44.0	(4.4)	61.9	(1.9)	64.6	(1.0)	73.2	(1.7)	84.0	(2.3)
	Mexico	68.8	(1.2)	67.7	(1.1)	58.2	(3.7)	c	c	86.7	(0.7)	90.5	(0.5)	93.4	(1.3)	c	c
	Netherlands	51.9	(4.2)	45.1	(1.3)	30.3	(2.0)	17.0	(1.8)	62.0	(2.6)	69.1	(1.3)	76.4	(1.8)	85.1	(2.3)
	New Zealand	64.5	(2.5)	64.9	(1.1)	59.2	(2.0)	57.0	(2.0)	60.2	(2.6)	69.1	(1.5)	82.8	(1.9)	90.5	(1.1)
	Norway	39.5	(2.4)	41.9	(1.2)	44.8	(2.3)	38.6	(3.5)	66.8	(2.0)	75.9	(0.9)	87.9	(1.4)	94.2	(1.6)
	Poland	32.4	(1.9)	43.4	(1.2)	47.9	(1.9)	39.4	(3.1)	76.1	(1.7)	75.2	(1.0)	81.5	(1.6)	84.0	(2.1)
	Portugal	56.2	(2.0)	43.8	(1.4)	25.9	(2.0)	16.4	(5.7)	74.6	(1.7)	82.9	(1.1)	94.8	(1.2)	97.0	(1.7)
	Slovak Republic	50.5	(2.3)	56.5	(1.3)	53.9	(2.6)	40.5	(4.0)	50.3	(3.1)	57.9	(1.7)	72.3	(2.2)	80.9	(2.9)
	Spain	44.1	(1.9)	51.0	(0.9)	42.9	(1.2)	39.5	(3.1)	59.6	(1.5)	72.1	(0.8)	87.4	(1.3)	95.1	(1.2)
	Sweden	67.3	(2.1)	62.0	(1.3)	58.7	(2.5)	54.5	(3.2)	57.6	(2.1)	71.2	(1.0)	80.5	(1.6)	91.7	(1.6)
	Switzerland	70.7	(1.6)	55.9	(1.1)	44.9	(1.5)	31.7	(2.1)	48.7	(1.9)	54.9	(0.9)	72.6	(1.5)	86.8	(1.6)
	Turkey	70.8	(1.6)	63.7	(1.4)	32.3	(3.6)	c	c	77.1	(1.3)	82.4	(1.1)	92.1	(1.7)	c	c
United Kingdom	67.2	(2.1)	72.2	(1.1)	66.3	(1.2)	55.4	(1.9)	74.6	(1.8)	81.0	(1.0)	89.5	(1.2)	93.7	(1.1)	
United States	62.9	(1.8)	60.1	(1.4)	59.3	(2.4)	55.1	(3.0)	74.9	(1.5)	81.3	(0.9)	88.7	(1.2)	93.6	(1.5)	
OECD average	54.8	(0.5)	54.0	(0.2)	48.6	(0.4)	42.6	(0.6)	59.9	(0.4)	68.1	(0.2)	79.9	(0.3)	87.9	(0.4)	
Partners	Argentina	52.5	(1.8)	46.6	(1.5)	38.8	(4.1)	c	c	82.4	(1.2)	87.8	(0.9)	90.1	(3.5)	c	c
	Azerbaijan	69.2	(1.4)	70.7	(1.9)	c	c	c	c	88.3	(0.8)	88.6	(1.2)	c	c	c	c
	Brazil	71.1	(1.1)	72.7	(1.3)	58.7	(4.3)	c	c	87.6	(0.8)	89.1	(0.9)	93.7	(1.9)	c	c
	Bulgaria	54.8	(1.9)	66.0	(1.5)	68.1	(3.2)	55.0	(8.2)	81.4	(1.2)	81.8	(1.0)	88.3	(2.2)	90.7	(2.8)
	Chile	74.7	(1.3)	72.9	(1.2)	60.7	(3.3)	c	c	87.8	(1.0)	89.1	(0.9)	93.4	(1.2)	c	c
	Colombia	64.8	(1.3)	61.8	(2.4)	c	c	c	c	90.3	(0.8)	92.5	(1.0)	c	c	c	c
	Croatia	37.9	(2.2)	44.0	(1.3)	41.2	(2.2)	34.4	(3.5)	56.8	(2.4)	61.2	(1.5)	69.0	(2.1)	78.2	(3.4)
	Estonia	49.1	(3.6)	55.3	(1.3)	56.1	(1.9)	51.4	(3.0)	72.1	(2.8)	80.1	(1.0)	85.1	(1.4)	89.6	(1.4)
	Hong Kong-China	46.1	(4.1)	53.7	(1.6)	55.4	(1.8)	48.7	(1.8)	52.6	(4.4)	64.4	(1.6)	74.8	(1.5)	87.5	(1.4)
	Indonesia	61.5	(1.3)	53.8	(1.7)	c	c	c	c	89.0	(0.9)	91.0	(1.5)	c	c	c	c
	Israel	55.7	(1.4)	51.7	(1.5)	40.0	(2.6)	33.2	(3.6)	61.9	(1.8)	67.2	(1.6)	79.8	(2.0)	86.6	(3.0)
	Jordan	56.9	(1.4)	51.0	(1.5)	41.8	(4.5)	c	c	90.4	(0.9)	94.6	(0.7)	98.7	(0.7)	c	c
	Kyrgyzstan	66.4	(0.8)	56.9	(2.5)	c	c	c	c	91.5	(0.6)	83.7	(1.6)	c	c	c	c
	Latvia	53.6	(2.5)	54.0	(1.3)	46.6	(2.4)	42.2	(3.6)	65.7	(2.3)	70.3	(1.3)	78.3	(1.9)	83.5	(4.0)
	Liechtenstein	58.4	(9.3)	49.6	(3.9)	36.0	(6.0)	36.2	(8.2)	53.5	(8.1)	58.2	(3.7)	73.0	(5.9)	85.5	(6.8)
	Lithuania	58.7	(2.1)	64.7	(1.3)	64.0	(2.3)	58.8	(3.9)	80.7	(1.6)	83.2	(0.9)	88.5	(1.3)	90.6	(2.2)
	Macao-China	52.0	(3.3)	62.8	(1.5)	58.3	(2.4)	55.7	(4.8)	65.7	(2.7)	76.9	(1.1)	86.8	(2.0)	93.7	(3.5)
	Montenegro	56.0	(1.2)	56.7	(1.3)	53.4	(6.5)	c	c	76.9	(1.2)	75.6	(1.2)	80.2	(4.9)	c	c
	Qatar	45.8	(0.8)	49.2	(1.8)	c	c	c	c	80.7	(0.6)	89.8	(1.1)	c	c	c	c
	Romania	59.0	(1.4)	68.3	(1.4)	57.1	(4.7)	c	c	73.2	(1.9)	81.1	(1.5)	91.2	(2.4)	c	c
	Russian Federation	52.4	(2.2)	55.7	(0.9)	53.2	(2.3)	47.1	(3.9)	74.5	(1.8)	74.8	(1.0)	76.3	(2.0)	81.5	(3.5)
	Serbia	48.1	(1.4)	45.3	(1.2)	37.8	(3.4)	c	c	60.3	(1.2)	66.3	(1.4)	79.8	(2.4)	c	c
Slovenia	44.0	(2.3)	46.3	(1.2)	44.2	(1.7)	41.0	(2.6)	63.6	(2.7)	69.8	(1.1)	75.2	(1.6)	81.9	(2.0)	
Chinese Taipei	44.9	(1.8)	49.0	(0.9)	45.7	(1.2)	45.3	(1.6)	65.6	(2.2)	73.6	(1.0)	82.8	(0.9)	89.4	(0.9)	
Thailand	59.6	(1.3)	53.3	(1.3)	32.3	(5.9)	c	c	96.1	(0.5)	98.5	(0.3)	99.0	(0.8)	c	c	
Tunisia	54.6	(1.5)	33.1	(1.9)	c	c	c	c	88.1	(0.9)	92.5	(1.0)	c	c	c	c	
Uruguay	48.0	(1.6)	46.0	(1.3)	38.4	(4.1)	c	c	80.1	(1.6)	84.2	(1.3)	89.2	(2.8)	c	c	



[Part 3/3]

Table A3.7 Importance of doing well in science, mathematics and reading, by performance group

	Students reporting doing well in mathematics is very important or important								Students reporting doing well in reading is very important or important									
	Lowest performers		Moderate performers		Strong performers		Top performers		Lowest performers		Moderate performers		Strong performers		Top performers			
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.		
OECD																		
Australia	88.9	(1.1)	93.0	(0.5)	95.6	(0.5)	96.3	(0.6)	90.6	(1.0)	95.0	(0.4)	95.1	(0.6)	94.8	(0.7)		
Austria	89.3	(1.6)	91.4	(0.6)	91.5	(1.1)	92.2	(1.2)	89.9	(1.3)	90.0	(0.9)	87.0	(1.4)	83.2	(2.4)		
Belgium	81.4	(3.0)	89.5	(0.6)	93.3	(1.0)	93.3	(1.2)	85.0	(3.3)	87.6	(0.6)	78.1	(1.2)	68.2	(2.2)		
Canada	91.8	(1.2)	95.1	(0.4)	96.0	(0.6)	97.0	(0.7)	89.9	(1.2)	91.3	(0.5)	90.3	(0.7)	86.8	(1.2)		
Czech Republic	86.4	(1.9)	89.7	(0.8)	90.3	(1.2)	89.1	(1.3)	85.4	(2.6)	90.3	(0.8)	89.9	(1.0)	83.0	(1.7)		
Denmark	95.9	(0.9)	96.7	(0.5)	97.6	(0.7)	97.6	(1.3)	96.5	(0.8)	97.1	(0.4)	95.2	(0.9)	93.4	(2.4)		
Finland	73.9	(3.6)	81.4	(1.1)	88.7	(1.0)	93.3	(0.9)	72.7	(3.8)	78.3	(1.2)	81.2	(1.3)	80.1	(1.6)		
France	87.3	(1.2)	89.6	(0.8)	91.0	(1.0)	92.5	(1.4)	89.6	(1.4)	86.3	(0.8)	76.4	(1.5)	69.6	(2.8)		
Germany	92.3	(1.0)	94.9	(0.5)	94.4	(0.7)	95.2	(1.2)	92.8	(1.6)	94.7	(0.6)	90.7	(1.1)	84.8	(1.6)		
Greece	82.6	(1.7)	86.3	(0.7)	89.7	(1.3)	95.0	(1.9)	77.2	(2.0)	81.5	(0.8)	78.6	(1.9)	75.5	(5.1)		
Hungary	79.4	(2.3)	83.1	(1.0)	85.7	(1.4)	87.1	(2.3)	77.5	(2.2)	84.8	(0.9)	81.9	(1.8)	76.8	(3.4)		
Iceland	94.4	(0.8)	98.4	(0.3)	98.8	(0.5)	99.0	(0.7)	91.7	(1.2)	92.8	(0.6)	89.0	(1.4)	90.8	(1.9)		
Ireland	93.8	(1.2)	96.4	(0.4)	96.0	(0.8)	95.3	(1.1)	93.6	(1.4)	94.4	(0.6)	92.0	(1.1)	86.3	(1.9)		
Italy	87.7	(0.8)	91.0	(0.6)	92.3	(1.1)	95.7	(1.1)	92.2	(0.7)	94.0	(0.4)	90.9	(0.9)	87.9	(1.5)		
Japan	74.7	(1.8)	85.5	(0.8)	91.6	(0.9)	94.2	(1.0)	84.8	(1.5)	89.1	(0.8)	88.5	(1.0)	86.2	(1.4)		
Korea	79.7	(2.2)	86.5	(0.8)	91.4	(0.9)	94.4	(1.3)	86.5	(1.6)	93.3	(0.6)	93.4	(1.0)	91.8	(2.1)		
Luxembourg	86.3	(1.4)	83.8	(0.8)	84.8	(1.4)	89.3	(2.5)	89.1	(1.1)	86.9	(0.8)	82.1	(1.3)	81.1	(2.6)		
Mexico	96.3	(0.5)	98.5	(0.2)	98.8	(0.6)	c	c	96.0	(0.5)	96.8	(0.3)	93.5	(1.7)	c	c		
Netherlands	83.2	(1.9)	87.8	(0.9)	92.5	(1.0)	94.6	(1.3)	90.4	(1.7)	91.8	(0.6)	83.4	(1.7)	70.7	(2.3)		
New Zealand	91.6	(1.2)	94.6	(0.5)	96.2	(0.9)	97.0	(0.8)	91.6	(1.6)	94.2	(0.7)	93.1	(0.8)	91.8	(0.9)		
Norway	83.9	(1.4)	91.3	(0.7)	95.4	(0.8)	98.0	(1.1)	77.0	(1.8)	85.7	(0.9)	84.7	(2.1)	84.7	(3.3)		
Poland	82.2	(1.5)	85.7	(0.8)	90.6	(1.1)	90.2	(2.1)	86.6	(1.4)	89.8	(0.6)	87.7	(1.2)	82.7	(2.5)		
Portugal	84.4	(1.4)	89.9	(0.8)	97.0	(1.0)	98.3	(1.5)	91.7	(1.1)	89.1	(0.8)	80.4	(2.2)	73.6	(4.5)		
Slovak Republic	85.3	(1.7)	87.0	(1.0)	91.0	(1.1)	91.4	(1.9)	88.8	(1.4)	93.0	(0.6)	90.8	(1.3)	80.6	(2.7)		
Spain	80.0	(1.3)	89.4	(0.5)	94.2	(0.9)	95.1	(1.7)	82.0	(1.3)	86.7	(0.7)	81.1	(1.2)	79.0	(2.2)		
Sweden	94.1	(1.2)	94.8	(0.6)	95.0	(0.9)	96.9	(1.1)	92.8	(1.6)	95.1	(0.5)	93.2	(1.2)	91.9	(1.8)		
Switzerland	92.9	(0.9)	93.6	(0.5)	91.0	(0.9)	89.1	(1.9)	94.4	(1.0)	92.5	(0.7)	86.9	(1.2)	81.1	(1.9)		
Turkey	90.9	(0.8)	94.4	(0.6)	96.4	(1.7)	c	c	96.1	(0.5)	93.0	(0.8)	81.8	(2.6)	c	c		
United Kingdom	94.5	(0.8)	96.3	(0.5)	96.3	(0.6)	96.8	(0.6)	95.0	(0.9)	96.8	(0.4)	95.1	(0.9)	90.9	(1.3)		
United States	90.9	(1.0)	94.3	(0.6)	95.3	(0.9)	97.0	(0.8)	89.4	(1.0)	90.3	(0.8)	89.7	(1.4)	87.3	(1.8)		
OECD average	86.7	(0.3)	90.6	(0.1)	93.0	(0.2)	94.3	(0.3)	88.0	(0.3)	90.4	(0.1)	87.4	(0.2)	83.4	(0.5)		
Partners																		
Argentina	90.2	(0.8)	93.9	(0.8)	92.0	(2.7)	c	c	88.5	(1.0)	88.7	(1.2)	83.5	(3.4)	c	c		
Azerbaijan	87.9	(0.8)	90.1	(1.1)	c	c	c	c	91.6	(0.8)	94.1	(0.8)	c	c	c	c		
Brazil	93.4	(0.5)	94.7	(0.7)	93.2	(2.3)	c	c	95.2	(0.5)	96.0	(0.4)	91.5	(2.6)	c	c		
Bulgaria	90.3	(0.9)	92.6	(0.9)	93.6	(1.6)	93.0	(2.5)	90.4	(1.1)	95.3	(0.6)	95.4	(1.2)	86.4	(5.2)		
Chile	95.2	(0.6)	97.4	(0.4)	98.1	(0.7)	c	c	95.6	(0.6)	94.5	(0.5)	89.2	(1.7)	c	c		
Colombia	94.4	(0.6)	97.2	(0.6)	c	c	c	c	94.7	(0.7)	93.5	(1.0)	c	c	c	c		
Croatia	79.7	(1.9)	81.0	(1.2)	79.8	(2.1)	85.2	(3.0)	82.5	(2.0)	85.9	(1.0)	81.2	(1.5)	74.3	(2.8)		
Estonia	86.9	(2.1)	92.8	(0.6)	93.1	(1.0)	95.2	(1.1)	87.9	(2.4)	92.1	(0.6)	92.9	(0.9)	91.0	(1.4)		
Hong Kong-China	83.0	(3.0)	89.4	(0.9)	95.1	(0.8)	97.2	(0.7)	89.5	(2.3)	91.7	(0.9)	91.1	(1.0)	89.8	(1.2)		
Indonesia	95.6	(0.4)	97.1	(0.5)	c	c	c	c	97.2	(0.3)	94.2	(0.8)	c	c	c	c		
Israel	89.9	(1.1)	94.5	(0.9)	95.8	(1.1)	93.2	(2.4)	84.2	(1.1)	87.5	(1.0)	81.8	(1.9)	72.2	(3.2)		
Jordan	85.7	(1.0)	92.4	(0.7)	97.8	(1.1)	c	c	86.5	(1.2)	88.2	(0.8)	85.5	(2.6)	c	c		
Kyrgyzstan	93.7	(0.4)	93.1	(1.3)	c	c	c	c	94.1	(0.4)	93.5	(1.4)	c	c	c	c		
Latvia	92.9	(1.4)	93.9	(0.5)	95.0	(1.0)	95.4	(1.6)	92.9	(1.1)	91.9	(0.8)	89.3	(1.2)	80.1	(3.3)		
Liechtenstein	95.9	(3.6)	93.6	(1.9)	89.7	(3.8)	91.9	(4.8)	86.4	(6.4)	90.1	(2.7)	82.9	(4.8)	86.1	(5.7)		
Lithuania	90.9	(1.1)	93.6	(0.6)	97.6	(0.6)	96.7	(1.6)	93.3	(1.1)	94.2	(0.6)	92.5	(1.1)	90.9	(2.1)		
Macao-China	84.7	(2.0)	85.9	(1.0)	87.7	(2.2)	85.2	(5.8)	92.7	(1.4)	93.9	(0.7)	91.6	(1.3)	93.0	(2.5)		
Montenegro	77.1	(1.2)	75.1	(1.2)	79.4	(4.6)	c	c	85.3	(0.8)	88.0	(0.9)	85.5	(4.6)	c	c		
Qatar	78.2	(0.7)	91.9	(1.0)	c	c	c	c	74.9	(0.7)	81.8	(1.2)	c	c	c	c		
Romania	87.5	(1.3)	91.4	(1.0)	91.7	(3.2)	c	c	91.7	(0.8)	95.1	(0.7)	89.1	(3.1)	c	c		
Russian Federation	90.8	(1.2)	92.1	(0.8)	92.3	(1.6)	93.8	(1.8)	92.9	(1.1)	92.8	(0.6)	92.3	(1.2)	90.2	(2.3)		
Serbia	73.8	(1.4)	75.1	(1.2)	82.9	(2.5)	c	c	85.7	(1.1)	85.8	(0.8)	77.7	(2.8)	c	c		
Slovenia	87.2	(1.9)	87.7	(0.7)	90.1	(1.1)	93.5	(1.2)	85.4	(1.5)	88.7	(0.8)	86.1	(1.5)	83.7	(1.7)		
Chinese Taipei	73.7	(2.5)	80.4	(1.0)	88.1	(0.8)	91.6	(0.9)	87.7	(1.2)	89.7	(0.7)	86.5	(0.8)	85.2	(1.3)		
Thailand	97.1	(0.4)	98.8	(0.2)	99.4	(0.7)	c	c	97.1	(0.4)	95.7	(0.5)	83.3	(3.5)	c	c		
Tunisia	83.0	(0.9)	89.3	(1.1)	c	c	c	c	81.6	(1.0)	63.7	(1.8)	c	c	c	c		
Uruguay	90.1	(1.0)	92.7	(0.7)	96.2	(1.2)	c	c	85.0	(1.1)	84.9	(1.0)	79.7	(3.0)	c	c		

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Table A3.8a Self-efficacy in science (mean index), by performance group

	Lowest performers		Moderate performers		Strong performers		Top performers		Difference in the mean index between top performers and top performers	
	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Dif.	S.E.
OECD										
Australia	-0.66	(0.03)	-0.13	(0.01)	0.46	(0.02)	1.01	(0.03)	-0.55	(0.03)
Austria	-0.69	(0.06)	-0.27	(0.02)	0.25	(0.03)	0.73	(0.05)	-0.47	(0.06)
Belgium	-0.62	(0.05)	-0.24	(0.02)	0.28	(0.02)	0.69	(0.03)	-0.41	(0.04)
Canada	-0.52	(0.05)	-0.04	(0.02)	0.49	(0.02)	0.99	(0.04)	-0.50	(0.04)
Czech Republic	-0.32	(0.04)	0.03	(0.03)	0.37	(0.04)	0.72	(0.04)	-0.34	(0.06)
Denmark	-0.69	(0.04)	-0.19	(0.03)	0.46	(0.04)	0.87	(0.06)	-0.41	(0.06)
Finland	-0.66	(0.10)	-0.31	(0.03)	0.17	(0.03)	0.62	(0.03)	-0.45	(0.04)
France	-0.55	(0.04)	-0.14	(0.02)	0.33	(0.03)	0.75	(0.06)	-0.42	(0.06)
Germany	-0.63	(0.07)	-0.10	(0.02)	0.36	(0.03)	0.83	(0.05)	-0.47	(0.06)
Greece	-0.46	(0.03)	-0.15	(0.02)	0.34	(0.04)	0.62	(0.07)	-0.29	(0.08)
Hungary	-0.41	(0.05)	-0.13	(0.02)	0.21	(0.03)	0.53	(0.06)	-0.32	(0.07)
Iceland	-0.59	(0.05)	0.07	(0.02)	0.73	(0.04)	1.16	(0.08)	-0.44	(0.09)
Ireland	-0.67	(0.05)	-0.13	(0.02)	0.45	(0.03)	0.84	(0.05)	-0.38	(0.06)
Italy	-0.47	(0.02)	-0.20	(0.01)	0.07	(0.03)	0.32	(0.04)	-0.25	(0.05)
Japan	-1.15	(0.05)	-0.62	(0.02)	-0.36	(0.03)	-0.07	(0.04)	-0.29	(0.05)
Korea	-0.81	(0.06)	-0.32	(0.02)	0.04	(0.03)	0.34	(0.05)	-0.30	(0.05)
Luxembourg	-0.54	(0.04)	-0.21	(0.02)	0.30	(0.04)	0.74	(0.06)	-0.44	(0.08)
Mexico	-0.07	(0.02)	0.23	(0.02)	0.67	(0.05)	c	c	c	c
Netherlands	-0.38	(0.07)	-0.17	(0.03)	0.24	(0.03)	0.64	(0.04)	-0.39	(0.06)
New Zealand	-0.76	(0.05)	-0.32	(0.02)	0.30	(0.03)	0.86	(0.04)	-0.57	(0.05)
Norway	-0.39	(0.04)	0.09	(0.02)	0.55	(0.03)	0.91	(0.06)	-0.37	(0.06)
Poland	-0.29	(0.03)	0.16	(0.02)	0.71	(0.03)	1.15	(0.05)	-0.44	(0.06)
Portugal	-0.14	(0.03)	0.19	(0.02)	0.66	(0.05)	1.01	(0.10)	-0.35	(0.11)
Slovak Republic	-0.24	(0.05)	0.06	(0.02)	0.43	(0.04)	0.67	(0.06)	-0.23	(0.06)
Spain	-0.65	(0.04)	-0.11	(0.02)	0.45	(0.03)	0.84	(0.05)	-0.39	(0.05)
Sweden	-0.70	(0.08)	-0.16	(0.02)	0.33	(0.05)	0.78	(0.08)	-0.45	(0.11)
Switzerland	-0.72	(0.05)	-0.34	(0.02)	0.15	(0.03)	0.57	(0.04)	-0.42	(0.06)
Turkey	-0.28	(0.03)	0.18	(0.03)	0.83	(0.07)	c	c	c	c
United Kingdom	-0.53	(0.04)	-0.03	(0.02)	0.58	(0.03)	1.16	(0.04)	-0.58	(0.05)
United States	-0.24	(0.07)	0.09	(0.03)	0.69	(0.04)	1.18	(0.05)	-0.49	(0.06)
OECD average	-0.55	(0.01)	-0.13	(0.00)	0.36	(0.01)	0.77	(0.01)	-0.41	(0.01)
Partners										
Argentina	-0.20	(0.03)	0.11	(0.03)	0.43	(0.08)	c	c	c	c
Azerbaijan	-0.54	(0.04)	-0.24	(0.05)	c	c	c	c	c	c
Brazil	-0.24	(0.02)	0.18	(0.02)	0.68	(0.06)	c	c	c	c
Bulgaria	-0.35	(0.03)	0.06	(0.03)	0.47	(0.04)	0.81	(0.08)	-0.34	(0.10)
Chile	-0.21	(0.03)	0.16	(0.03)	0.61	(0.05)	c	c	c	c
Colombia	-0.05	(0.02)	0.28	(0.04)	c	c	c	c	c	c
Croatia	-0.36	(0.04)	0.08	(0.02)	0.60	(0.03)	0.98	(0.06)	-0.38	(0.06)
Estonia	-0.55	(0.06)	-0.16	(0.02)	0.27	(0.03)	0.71	(0.05)	-0.44	(0.05)
Hong Kong-China	-0.58	(0.06)	-0.12	(0.03)	0.27	(0.03)	0.58	(0.03)	-0.31	(0.04)
Indonesia	-0.78	(0.03)	-0.58	(0.02)	c	c	c	c	c	c
Israel	-0.20	(0.05)	0.02	(0.04)	0.37	(0.05)	0.55	(0.08)	-0.18	(0.09)
Jordan	0.04	(0.03)	0.30	(0.03)	0.73	(0.07)	c	c	c	c
Kyrgyzstan	-0.17	(0.02)	-0.02	(0.05)	c	c	c	c	c	c
Latvia	-0.36	(0.04)	-0.07	(0.02)	0.35	(0.05)	0.76	(0.08)	-0.41	(0.09)
Liechtenstein	-0.79	(0.16)	-0.23	(0.09)	0.10	(0.10)	0.60	(0.19)	-0.50	(0.23)
Lithuania	-0.37	(0.04)	-0.01	(0.02)	0.34	(0.03)	0.63	(0.07)	-0.30	(0.08)
Macao-China	-0.52	(0.06)	-0.22	(0.02)	0.23	(0.03)	0.52	(0.07)	-0.29	(0.08)
Montenegro	-0.33	(0.02)	0.23	(0.03)	0.91	(0.11)	c	c	c	c
Qatar	-0.19	(0.02)	0.21	(0.03)	c	c	c	c	c	c
Romania	-0.56	(0.04)	-0.21	(0.03)	0.30	(0.07)	c	c	c	c
Russian Federation	-0.41	(0.07)	-0.02	(0.03)	0.41	(0.05)	0.76	(0.09)	-0.35	(0.11)
Serbia	-0.24	(0.03)	0.17	(0.02)	0.75	(0.08)	c	c	c	c
Slovenia	-0.53	(0.05)	-0.27	(0.02)	0.16	(0.03)	0.53	(0.05)	-0.37	(0.06)
Chinese Taipei	-0.46	(0.06)	0.01	(0.02)	0.42	(0.02)	0.75	(0.03)	-0.33	(0.04)
Thailand	-0.04	(0.02)	0.12	(0.02)	0.46	(0.06)	c	c	c	c
Tunisia	-0.21	(0.02)	0.05	(0.03)	c	c	c	c	c	c
Uruguay	-0.13	(0.03)	0.24	(0.03)	0.66	(0.05)	c	c	c	c



[Part 1/4]

Table A3.8b Self-efficacy in science (underlying percentages), by performance group

	Percentage of students who believe they can perform the following tasks either easily or with a bit of effort																
	Recognise the science question that underlies a newspaper report on a health issue						Explain why earthquakes occur more frequently in some areas than in others										
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.					
OECD	Australia	52.6	(1.6)	74.0	(0.7)	89.6	(0.7)	96.5	(0.6)	53.9	(1.4)	73.5	(0.7)	89.7	(0.7)	96.0	(0.5)
	Austria	53.4	(2.6)	69.3	(1.1)	86.6	(1.2)	92.3	(1.7)	52.1	(2.6)	76.5	(0.9)	90.2	(1.0)	97.0	(0.8)
	Belgium	58.7	(2.3)	68.9	(1.0)	83.3	(1.2)	91.4	(1.4)	51.4	(2.3)	63.4	(1.0)	75.9	(1.3)	85.1	(1.4)
	Canada	55.4	(1.9)	71.8	(0.9)	86.8	(1.0)	94.9	(0.9)	55.5	(2.1)	69.9	(0.8)	83.6	(0.9)	93.2	(0.9)
	Czech Republic	61.6	(2.7)	78.1	(1.0)	90.3	(1.2)	94.9	(1.0)	63.0	(2.4)	79.0	(1.1)	89.4	(1.3)	96.2	(1.1)
	Denmark	59.9	(2.3)	75.9	(1.1)	90.9	(1.3)	95.9	(1.3)	62.2	(1.7)	76.1	(1.0)	90.0	(1.1)	95.3	(1.5)
	Finland	59.5	(4.4)	68.2	(1.2)	81.8	(1.0)	91.0	(1.2)	58.6	(4.4)	74.5	(1.0)	89.2	(0.8)	97.0	(0.7)
	France	54.4	(1.9)	60.8	(1.3)	78.2	(1.5)	88.8	(2.0)	60.6	(1.8)	78.7	(0.9)	90.5	(1.1)	95.2	(1.1)
	Germany	55.2	(3.4)	74.7	(1.0)	87.7	(1.0)	94.5	(0.9)	64.4	(2.5)	80.4	(1.0)	90.1	(1.0)	96.7	(0.8)
	Greece	57.2	(1.7)	67.1	(1.1)	79.8	(2.2)	88.3	(2.9)	51.3	(1.8)	67.3	(1.0)	84.6	(1.9)	91.0	(2.8)
	Hungary	64.5	(2.8)	69.0	(1.1)	80.1	(1.6)	88.0	(2.0)	48.4	(2.5)	68.1	(1.1)	83.5	(1.4)	91.8	(2.2)
	Iceland	50.2	(2.1)	71.6	(1.1)	89.0	(1.3)	95.5	(1.7)	57.5	(1.8)	79.8	(0.9)	94.3	(1.0)	98.2	(1.2)
	Ireland	50.2	(2.0)	63.4	(1.3)	81.4	(1.5)	93.1	(1.4)	61.0	(2.1)	79.6	(1.1)	92.5	(1.1)	96.8	(1.1)
	Italy	58.3	(1.2)	70.4	(0.7)	80.3	(1.2)	86.5	(1.7)	67.0	(1.4)	77.4	(0.7)	85.5	(1.2)	89.9	(1.6)
	Japan	43.6	(1.7)	61.6	(1.1)	69.6	(1.5)	78.5	(1.8)	35.5	(2.0)	55.8	(1.1)	72.4	(1.2)	84.8	(1.6)
	Korea	47.3	(2.2)	63.4	(1.1)	78.7	(1.4)	89.9	(1.3)	43.1	(2.5)	67.4	(1.1)	86.2	(1.3)	93.2	(1.2)
	Luxembourg	59.3	(1.7)	69.4	(1.0)	82.9	(1.4)	92.9	(1.7)	60.4	(1.6)	78.9	(0.9)	92.0	(1.3)	96.8	(1.3)
	Mexico	72.5	(1.0)	82.3	(0.8)	91.7	(2.1)	c	c	67.4	(1.0)	79.4	(0.8)	89.3	(2.0)	c	c
	Netherlands	72.7	(2.5)	72.9	(1.3)	83.2	(1.2)	92.5	(1.2)	66.4	(3.1)	77.7	(1.2)	90.4	(1.1)	93.7	(1.3)
	New Zealand	48.6	(2.3)	64.9	(0.9)	84.3	(1.2)	94.4	(0.9)	48.6	(2.1)	73.3	(1.2)	88.8	(1.4)	96.1	(0.9)
	Norway	50.3	(2.1)	62.5	(1.2)	80.3	(1.9)	90.3	(2.3)	58.2	(2.0)	79.4	(0.9)	91.6	(1.1)	95.7	(1.9)
	Poland	61.7	(1.9)	74.7	(1.0)	87.7	(1.2)	95.2	(1.4)	54.6	(2.0)	74.2	(0.9)	91.6	(1.1)	97.2	(1.3)
	Portugal	62.7	(1.7)	75.6	(1.0)	89.0	(1.4)	95.8	(2.0)	62.5	(1.7)	75.6	(1.0)	91.4	(1.7)	95.5	(2.3)
	Slovak Republic	73.6	(2.1)	82.8	(0.8)	91.4	(1.5)	94.3	(2.0)	59.0	(2.3)	75.8	(1.0)	90.2	(1.6)	94.0	(1.5)
	Spain	44.7	(2.3)	58.8	(0.9)	75.9	(1.2)	86.5	(1.8)	52.8	(1.6)	73.5	(1.0)	88.7	(1.0)	94.6	(1.1)
	Sweden	48.4	(2.7)	63.0	(1.5)	80.1	(2.3)	92.7	(2.0)	60.2	(2.8)	79.7	(1.2)	90.9	(1.7)	96.7	(1.5)
	Switzerland	51.4	(2.2)	64.0	(1.1)	81.1	(1.2)	91.0	(1.4)	56.4	(2.0)	75.2	(0.8)	88.4	(1.1)	92.8	(1.2)
	Turkey	69.5	(1.4)	80.5	(1.2)	91.9	(2.3)	c	c	63.6	(1.4)	80.1	(1.3)	91.7	(2.0)	c	c
	United Kingdom	58.4	(2.3)	76.2	(1.1)	90.9	(1.1)	97.0	(0.9)	49.9	(1.8)	71.3	(0.8)	89.8	(0.9)	96.1	(0.7)
	United States	66.7	(2.1)	77.3	(1.0)	91.2	(0.9)	96.8	(1.0)	61.7	(1.9)	74.6	(1.2)	89.7	(1.1)	95.3	(1.1)
	OECD average	56.5	(0.4)	69.6	(0.2)	84.0	(0.3)	92.1	(0.3)	56.3	(0.4)	74.2	(0.2)	88.3	(0.2)	94.4	(0.3)
Partners	Argentina	67.2	(1.7)	79.8	(1.4)	89.8	(3.3)	c	c	59.9	(1.4)	72.6	(1.7)	80.0	(4.1)	c	c
	Azerbaijan	63.1	(1.5)	70.4	(1.8)	c	c	c	c	48.1	(1.2)	62.0	(1.9)	c	c	c	c
	Brazil	69.3	(1.3)	84.6	(0.9)	95.8	(1.5)	c	c	53.8	(1.2)	73.3	(1.6)	91.0	(3.0)	c	c
	Bulgaria	63.0	(1.1)	73.0	(1.3)	88.1	(1.9)	93.4	(2.5)	52.3	(1.4)	71.7	(1.1)	86.8	(1.9)	90.7	(2.9)
	Chile	58.9	(1.3)	70.4	(1.1)	82.9	(2.3)	c	c	63.8	(1.5)	80.8	(1.0)	89.0	(1.9)	c	c
	Colombia	64.9	(1.1)	74.4	(1.8)	c	c	c	c	61.0	(1.0)	71.8	(1.5)	c	c	c	c
	Croatia	65.5	(1.7)	76.8	(0.9)	91.0	(1.1)	95.4	(1.6)	55.8	(2.4)	70.8	(1.1)	87.5	(1.5)	94.8	(1.7)
	Estonia	59.4	(2.9)	75.1	(1.1)	87.2	(1.0)	93.8	(1.1)	46.0	(4.0)	65.3	(1.2)	81.8	(1.6)	91.1	(1.5)
	Hong Kong-China	61.0	(3.0)	75.6	(1.1)	85.0	(1.0)	91.3	(1.3)	44.2	(3.6)	62.5	(1.3)	79.6	(1.3)	86.6	(1.4)
	Indonesia	56.7	(1.1)	65.1	(1.4)	c	c	c	c	40.0	(1.2)	47.2	(1.4)	c	c	c	c
	Israel	72.2	(1.6)	80.8	(1.1)	90.4	(1.5)	92.4	(2.8)	57.5	(1.8)	66.2	(1.5)	78.3	(2.1)	86.4	(3.1)
	Jordan	68.2	(1.4)	77.3	(1.2)	88.7	(2.6)	c	c	64.6	(1.2)	78.6	(1.0)	89.5	(2.2)	c	c
	Kyrgyzstan	81.7	(0.9)	79.1	(2.0)	c	c	c	c	59.4	(0.9)	68.9	(2.3)	c	c	c	c
	Latvia	69.1	(2.0)	75.1	(1.0)	83.9	(1.6)	88.8	(3.0)	56.9	(2.7)	77.0	(1.1)	92.0	(1.5)	96.8	(1.6)
	Liechtenstein	38.4	(7.1)	62.5	(4.0)	76.5	(5.9)	82.5	(7.5)	46.1	(9.3)	75.1	(3.8)	75.0	(4.7)	94.4	(4.7)
	Lithuania	69.0	(1.9)	81.9	(1.0)	88.9	(1.7)	93.5	(1.8)	61.0	(1.9)	81.1	(1.0)	94.1	(1.0)	98.0	(1.1)
	Macao-China	58.3	(2.7)	67.3	(0.9)	78.7	(1.8)	86.8	(2.7)	47.7	(3.1)	65.3	(0.9)	86.2	(1.2)	93.0	(2.3)
	Montenegro	60.6	(1.1)	74.4	(1.2)	87.5	(3.7)	c	c	56.1	(1.1)	77.0	(1.0)	92.6	(2.7)	c	c
	Qatar	70.1	(0.6)	83.4	(1.2)	c	c	c	c	62.7	(0.8)	77.1	(1.7)	c	c	c	c
	Romania	63.8	(1.8)	70.5	(1.3)	83.2	(3.0)	c	c	46.6	(1.7)	63.9	(1.7)	83.9	(3.6)	c	c
	Russian Federation	57.5	(2.0)	69.3	(1.4)	79.8	(1.9)	85.5	(3.3)	53.2	(2.5)	68.7	(1.2)	81.4	(1.8)	90.2	(2.6)
	Serbia	68.0	(1.4)	77.4	(1.1)	88.8	(2.0)	c	c	51.5	(1.3)	69.6	(1.1)	85.9	(2.3)	c	c
	Slovenia	59.6	(2.4)	69.0	(1.1)	83.2	(1.9)	90.3	(1.6)	53.6	(2.3)	69.2	(1.1)	86.6	(1.3)	93.6	(1.4)
	Chinese Taipei	54.1	(2.1)	69.8	(0.9)	82.0	(1.0)	88.5	(1.3)	48.8	(2.4)	70.5	(0.7)	86.4	(0.8)	91.3	(1.2)
	Thailand	84.9	(0.9)	88.2	(0.9)	93.0	(2.4)	c	c	66.9	(1.3)	79.1	(1.2)	90.6	(2.7)	c	c
	Tunisia	67.7	(1.2)	79.7	(1.5)	c	c	c	c	45.7	(1.0)	62.5	(1.4)	c	c	c	c
	Uruguay	73.9	(1.4)	83.8	(1.2)	93.2	(2.1)	c	c	63.6	(1.4)	75.3	(1.2)	84.1	(2.3)	c	c

[Part 2/4]

Table A3.8b Self-efficacy in science (underlying percentages), by performance group

	Percentage of students who believe they can perform the following tasks either easily or with a bit of effort															
	Describe the role of antibiotics in the treatment of disease						Identify the science question associated with the disposal of garbage									
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.				
OECD																
Australia	35.3	(1.4)	50.7	(0.8)	73.2	(1.2)	85.5	(1.2)	42.8	(1.3)	55.9	(0.7)	69.1	(1.1)	82.8	(1.1)
Austria	39.7	(3.0)	49.7	(1.3)	64.4	(1.7)	77.6	(2.6)	49.5	(2.5)	60.0	(1.1)	70.7	(1.5)	79.6	(2.2)
Belgium	43.4	(1.8)	52.1	(1.1)	67.3	(1.5)	79.6	(1.7)	39.9	(1.7)	47.1	(1.0)	58.9	(1.4)	67.4	(1.9)
Canada	39.9	(2.3)	50.0	(0.9)	68.7	(1.1)	82.8	(1.2)	45.6	(1.9)	58.2	(0.9)	70.9	(1.0)	79.8	(1.5)
Czech Republic	60.0	(2.2)	68.3	(1.3)	76.5	(1.8)	83.1	(2.4)	50.6	(2.3)	57.4	(1.4)	64.1	(1.7)	74.4	(2.4)
Denmark	31.1	(1.8)	37.3	(1.1)	55.2	(2.1)	68.1	(3.2)	38.2	(2.0)	49.9	(1.3)	69.8	(1.9)	79.4	(3.2)
Finland	31.5	(3.9)	40.4	(1.3)	59.6	(1.8)	72.9	(1.9)	44.6	(4.9)	52.3	(1.3)	68.5	(1.4)	81.8	(1.7)
France	53.0	(1.7)	70.1	(1.0)	78.2	(1.3)	85.1	(2.1)	39.2	(1.7)	48.2	(1.2)	63.0	(2.0)	76.3	(2.4)
Germany	46.6	(2.6)	57.8	(1.2)	74.5	(1.3)	85.2	(1.8)	45.3	(2.6)	58.7	(1.3)	67.8	(1.6)	79.0	(2.0)
Greece	42.7	(1.7)	55.8	(1.2)	77.2	(2.0)	84.9	(3.3)	56.9	(1.5)	60.5	(1.0)	68.7	(2.1)	74.0	(4.3)
Hungary	45.5	(2.4)	60.4	(1.3)	73.3	(1.8)	83.3	(2.7)	66.1	(2.1)	72.9	(1.0)	77.7	(1.4)	84.4	(2.2)
Iceland	46.1	(1.8)	61.5	(1.1)	77.1	(2.0)	82.0	(3.0)	43.5	(2.1)	56.7	(1.3)	71.7	(2.2)	80.8	(3.1)
Ireland	36.3	(2.2)	49.6	(1.3)	70.4	(1.8)	78.8	(2.4)	52.7	(2.4)	66.6	(1.1)	78.5	(1.5)	85.3	(2.4)
Italy	37.7	(1.7)	44.8	(0.9)	55.2	(1.9)	66.1	(3.5)	50.1	(1.4)	57.0	(0.8)	62.9	(1.4)	72.1	(1.8)
Japan	22.3	(1.8)	29.8	(1.2)	37.2	(1.5)	47.0	(2.1)	46.9	(1.9)	60.8	(1.1)	63.6	(1.7)	69.3	(1.7)
Korea	38.9	(2.4)	50.5	(1.1)	63.7	(1.4)	76.3	(2.3)	53.5	(2.7)	63.8	(1.2)	69.4	(1.9)	70.9	(2.7)
Luxembourg	40.7	(1.8)	54.9	(1.1)	76.4	(2.1)	85.9	(2.2)	43.8	(1.7)	56.9	(1.2)	69.3	(3.0)	74.2	(3.2)
Mexico	55.0	(1.1)	57.6	(1.0)	67.9	(3.3)	c	c	75.0	(0.9)	79.5	(0.7)	82.4	(3.1)	c	c
Netherlands	51.7	(3.4)	59.9	(1.3)	75.4	(1.5)	83.7	(2.0)	53.1	(2.7)	56.0	(1.5)	62.4	(1.9)	71.5	(2.0)
New Zealand	31.0	(2.4)	44.8	(1.4)	73.9	(1.9)	86.9	(1.9)	40.0	(2.5)	50.0	(1.2)	66.1	(1.9)	79.8	(1.9)
Norway	62.1	(1.9)	77.8	(1.0)	87.8	(1.3)	90.5	(2.2)	51.4	(2.1)	67.4	(1.0)	81.8	(1.6)	89.1	(2.4)
Poland	56.3	(2.1)	71.7	(0.9)	82.2	(1.5)	90.6	(1.6)	45.8	(2.0)	59.6	(1.2)	74.0	(1.8)	83.5	(2.9)
Portugal	50.1	(1.7)	60.7	(1.1)	76.7	(2.0)	84.0	(4.2)	70.9	(1.5)	76.2	(1.0)	79.7	(2.1)	84.9	(4.4)
Slovak Republic	55.1	(3.0)	61.0	(1.2)	71.5	(2.2)	74.5	(3.2)	52.2	(2.4)	59.8	(1.2)	70.7	(1.9)	75.3	(3.0)
Spain	40.1	(1.7)	51.3	(0.9)	70.9	(1.5)	80.1	(2.5)	45.4	(1.8)	53.6	(1.0)	65.7	(1.8)	72.5	(2.5)
Sweden	39.5	(2.2)	50.4	(1.1)	63.4	(2.5)	75.7	(2.8)	37.2	(2.2)	55.3	(1.1)	70.9	(2.2)	84.4	(3.1)
Switzerland	38.1	(1.7)	46.7	(1.0)	63.3	(1.5)	75.7	(2.0)	38.8	(1.6)	50.0	(0.9)	64.7	(1.7)	75.9	(2.2)
Turkey	50.1	(1.3)	68.1	(1.3)	90.1	(2.3)	c	c	55.1	(1.3)	69.4	(1.2)	87.4	(1.8)	c	c
United Kingdom	38.0	(1.8)	52.9	(1.1)	72.9	(1.5)	87.5	(1.3)	49.0	(1.6)	62.9	(1.0)	75.9	(1.7)	85.9	(1.5)
United States	48.9	(2.1)	59.3	(1.2)	79.5	(1.5)	90.7	(1.8)	56.5	(2.5)	61.2	(1.1)	73.0	(1.9)	83.1	(2.0)
OECD average	42.9	(0.4)	54.3	(0.2)	70.2	(0.3)	80.1	(0.5)	48.2	(0.4)	58.4	(0.2)	69.6	(0.3)	78.5	(0.5)
Partners																
Argentina	46.3	(1.4)	51.7	(1.7)	59.6	(4.4)	c	c	62.7	(1.2)	61.4	(1.7)	64.2	(4.4)	c	c
Azerbaijan	42.1	(1.7)	52.1	(1.7)	c	c	c	c	52.5	(1.3)	57.7	(1.9)	c	c	c	c
Brazil	48.9	(1.0)	59.2	(1.2)	80.3	(2.8)	c	c	72.1	(1.0)	81.3	(1.2)	85.1	(3.1)	c	c
Bulgaria	47.4	(1.5)	60.7	(1.4)	72.6	(2.4)	75.0	(4.1)	65.5	(1.5)	75.3	(1.1)	79.2	(2.1)	87.5	(3.0)
Chile	49.7	(1.3)	58.0	(1.1)	71.6	(3.1)	c	c	55.6	(1.2)	61.3	(1.2)	68.3	(2.4)	c	c
Colombia	55.9	(1.3)	64.0	(1.7)	c	c	c	c	71.9	(1.1)	79.4	(1.5)	c	c	c	c
Croatia	58.2	(1.7)	73.7	(0.9)	86.6	(1.3)	93.5	(1.9)	61.7	(2.2)	74.4	(1.1)	85.0	(1.2)	91.3	(1.8)
Estonia	41.3	(4.0)	53.3	(1.2)	66.9	(1.7)	77.7	(2.1)	57.8	(3.5)	64.8	(1.4)	75.1	(1.6)	83.4	(1.8)
Hong Kong-China	37.8	(3.0)	49.9	(1.3)	60.2	(1.5)	73.3	(1.9)	51.8	(3.2)	67.5	(1.1)	77.7	(1.4)	84.1	(1.5)
Indonesia	43.7	(1.4)	51.0	(1.6)	c	c	c	c	60.0	(1.1)	64.2	(1.5)	c	c	c	c
Israel	50.0	(1.5)	58.5	(1.4)	69.6	(2.3)	76.0	(3.4)	58.6	(1.7)	66.1	(1.4)	71.5	(2.6)	73.7	(3.4)
Jordan	62.1	(1.4)	74.9	(1.2)	89.3	(2.6)	c	c	72.3	(1.2)	76.6	(0.9)	79.7	(3.6)	c	c
Kyrgyzstan	52.0	(1.1)	60.4	(2.2)	c	c	c	c	62.3	(1.0)	59.7	(1.9)	c	c	c	c
Latvia	38.8	(3.2)	49.7	(1.4)	64.6	(2.6)	77.3	(5.1)	58.5	(3.3)	63.9	(1.3)	75.4	(2.4)	84.0	(3.6)
Liechtenstein	31.8	(7.8)	51.2	(4.1)	72.3	(6.1)	80.4	(7.4)	35.6	(6.9)	53.4	(4.3)	68.8	(6.3)	77.9	(7.9)
Lithuania	47.2	(1.8)	67.0	(1.1)	81.5	(1.4)	85.5	(2.5)	59.2	(1.7)	67.6	(1.2)	73.7	(2.2)	82.3	(3.7)
Macao-China	39.8	(2.9)	44.4	(1.2)	60.3	(2.2)	73.7	(3.4)	59.1	(2.9)	66.2	(1.1)	74.9	(1.7)	81.1	(3.2)
Montenegro	53.2	(1.1)	71.0	(1.2)	90.2	(3.8)	c	c	59.6	(1.2)	71.3	(1.3)	87.4	(4.1)	c	c
Qatar	51.2	(0.8)	65.1	(1.5)	c	c	c	c	60.5	(0.8)	71.8	(1.6)	c	c	c	c
Romania	39.3	(1.5)	51.0	(1.4)	64.5	(5.5)	c	c	44.7	(1.8)	54.4	(1.8)	62.0	(4.6)	c	c
Russian Federation	48.7	(2.3)	60.1	(1.2)	70.8	(2.0)	76.9	(3.4)	59.6	(1.9)	70.4	(1.1)	81.1	(2.0)	88.0	(3.0)
Serbia	48.2	(1.4)	63.0	(1.1)	75.0	(3.1)	c	c	66.4	(1.2)	72.4	(1.0)	82.5	(2.8)	c	c
Slovenia	36.9	(1.9)	42.6	(1.2)	56.4	(2.1)	72.1	(2.2)	46.0	(2.4)	54.1	(1.1)	71.3	(1.9)	80.9	(2.2)
Chinese Taipei	40.4	(2.2)	50.1	(1.0)	64.3	(1.2)	76.4	(1.6)	59.7	(2.2)	74.1	(0.9)	79.8	(1.1)	83.8	(1.2)
Thailand	59.9	(1.3)	61.5	(1.1)	72.8	(2.9)	c	c	82.3	(0.8)	88.2	(0.7)	90.8	(2.3)	c	c
Tunisia	43.1	(1.1)	50.8	(1.6)	c	c	c	c	65.8	(1.1)	68.2	(1.5)	c	c	c	c
Uruguay	51.9	(1.4)	58.5	(1.3)	69.4	(2.8)	c	c	62.4	(1.6)	64.5	(1.3)	70.7	(3.0)	c	c



[Part 3/4]

Table A3.8b Self-efficacy in science (underlying percentages), by performance group

		Percentage of students who believe they can perform the following tasks either easily or with a bit of effort															
		Predict how changes to an environment will affect the survival of certain species						Interpret the scientific information provided on the labelling of food items									
		%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.				
OECD	Australia	50.8	(1.5)	70.5	(0.7)	86.0	(0.7)	93.6	(0.6)	49.8	(1.6)	62.2	(0.7)	75.2	(1.0)	87.0	(1.1)
	Austria	44.1	(2.4)	57.2	(1.2)	72.2	(1.9)	81.2	(2.5)	38.9	(2.1)	48.0	(1.1)	63.4	(1.9)	76.6	(2.3)
	Belgium	44.8	(2.0)	59.8	(1.0)	74.6	(1.4)	82.5	(1.7)	52.0	(2.3)	63.7	(0.9)	75.5	(1.1)	81.9	(1.6)
	Canada	54.4	(2.1)	74.2	(0.8)	86.2	(0.8)	91.3	(1.0)	52.8	(1.8)	67.0	(0.7)	78.5	(1.0)	87.5	(1.1)
	Czech Republic	51.3	(2.4)	63.7	(1.1)	74.6	(2.0)	81.9	(2.3)	57.4	(2.3)	58.7	(1.3)	63.1	(2.5)	71.2	(2.4)
	Denmark	38.6	(1.8)	56.0	(1.3)	78.1	(1.9)	87.6	(3.0)	51.8	(2.3)	68.8	(1.3)	84.6	(1.3)	91.3	(1.7)
	Finland	41.6	(5.1)	47.0	(1.4)	60.2	(1.4)	73.1	(1.7)	52.9	(4.8)	62.2	(1.3)	69.4	(1.6)	80.5	(1.2)
	France	43.0	(1.8)	56.3	(1.2)	73.1	(1.8)	83.9	(2.9)	58.6	(2.1)	65.9	(1.4)	72.0	(2.0)	80.2	(1.8)
	Germany	49.9	(2.6)	65.2	(1.2)	78.2	(1.5)	84.4	(1.7)	43.4	(2.5)	57.2	(1.2)	69.6	(1.5)	79.2	(2.2)
	Greece	49.0	(2.1)	54.6	(1.1)	66.7	(2.4)	73.6	(4.4)	49.6	(1.9)	51.3	(1.1)	59.2	(2.6)	64.2	(4.6)
	Hungary	43.2	(2.8)	47.1	(1.2)	55.6	(2.3)	60.7	(3.8)	63.4	(2.5)	66.5	(1.1)	66.2	(1.9)	71.6	(3.0)
	Iceland	48.7	(2.1)	71.7	(1.0)	88.9	(1.3)	94.0	(1.7)	53.8	(2.4)	75.8	(0.9)	85.9	(1.2)	93.6	(1.8)
	Ireland	48.2	(2.3)	61.3	(1.1)	72.3	(1.8)	76.7	(2.3)	48.9	(2.0)	59.5	(1.1)	75.7	(1.6)	82.9	(2.6)
	Italy	50.7	(1.3)	65.3	(0.8)	74.0	(1.9)	76.9	(2.4)	55.4	(1.2)	63.1	(0.7)	69.9	(1.3)	74.5	(2.2)
	Japan	36.0	(2.3)	55.0	(1.2)	64.5	(1.2)	70.4	(1.6)	31.3	(2.0)	41.3	(1.1)	48.0	(1.4)	55.4	(2.2)
	Korea	37.2	(3.1)	50.2	(1.2)	60.1	(1.5)	66.8	(2.3)	34.1	(3.0)	41.6	(1.1)	54.5	(1.3)	67.0	(3.1)
	Luxembourg	50.0	(1.8)	65.1	(1.1)	76.7	(1.9)	86.1	(2.8)	47.6	(1.8)	54.3	(1.0)	67.8	(1.7)	79.9	(2.9)
	Mexico	63.1	(1.1)	69.2	(0.9)	78.8	(2.8)	c	c	59.0	(1.1)	65.1	(1.0)	69.5	(3.1)	c	c
	Netherlands	50.6	(2.8)	58.2	(1.3)	66.8	(1.7)	77.0	(2.1)	49.9	(3.1)	54.3	(1.4)	65.4	(1.8)	78.2	(1.9)
	New Zealand	40.7	(2.2)	60.4	(1.2)	78.7	(1.4)	91.5	(1.2)	45.6	(2.6)	57.5	(1.0)	71.4	(2.0)	85.0	(1.5)
	Norway	55.0	(2.3)	64.7	(1.1)	75.5	(2.1)	83.8	(2.6)	52.9	(2.1)	64.4	(1.0)	78.9	(2.2)	86.1	(3.0)
	Poland	54.6	(1.9)	69.5	(0.9)	82.3	(1.4)	89.8	(2.0)	68.3	(1.8)	81.7	(0.8)	89.2	(1.4)	95.7	(1.2)
	Portugal	62.3	(1.4)	70.9	(1.0)	81.8	(2.0)	90.2	(2.8)	64.2	(1.5)	72.1	(1.1)	83.0	(1.8)	89.9	(3.1)
	Slovak Republic	49.9	(2.3)	52.3	(1.3)	58.1	(2.4)	62.9	(2.9)	72.4	(1.7)	77.1	(0.9)	80.5	(1.8)	85.1	(2.6)
	Spain	43.9	(1.9)	57.8	(1.0)	72.4	(1.5)	83.1	(2.3)	51.0	(1.5)	61.8	(0.9)	70.6	(1.6)	80.0	(2.5)
	Sweden	46.5	(2.7)	65.0	(1.3)	80.1	(1.7)	85.8	(2.7)	41.9	(2.2)	63.2	(1.2)	77.4	(2.1)	85.0	(3.0)
	Switzerland	43.0	(2.1)	58.8	(1.1)	72.8	(1.7)	82.1	(1.9)	39.3	(1.9)	50.5	(1.0)	66.4	(1.5)	78.4	(1.6)
	Turkey	58.1	(1.6)	69.4	(1.2)	83.4	(2.9)	c	c	67.0	(1.2)	76.0	(1.1)	81.9	(2.8)	c	c
United Kingdom	50.1	(2.0)	74.8	(0.9)	88.5	(1.0)	94.2	(0.9)	53.9	(1.9)	64.1	(0.9)	78.4	(1.3)	88.1	(1.3)	
United States	62.1	(2.3)	76.5	(0.8)	89.2	(1.1)	93.9	(1.0)	62.3	(2.3)	67.9	(1.1)	81.2	(1.5)	91.6	(1.3)	
OECD average	47.9	(0.4)	61.7	(0.2)	74.6	(0.3)	82.1	(0.4)	51.5	(0.4)	61.5	(0.2)	72.2	(0.3)	81.0	(0.4)	
Partners	Argentina	59.9	(2.0)	70.1	(1.5)	77.5	(4.9)	c	c	66.4	(1.2)	68.7	(1.4)	70.0	(4.3)	c	c
	Azerbaijan	50.1	(1.4)	59.5	(2.0)	c	c	c	c	57.3	(1.1)	64.2	(1.7)	c	c	c	c
	Brazil	63.0	(1.1)	72.2	(1.5)	81.8	(3.7)	c	c	61.9	(1.1)	68.9	(1.4)	74.4	(4.6)	c	c
	Bulgaria	52.7	(1.4)	66.1	(1.3)	75.5	(2.5)	80.5	(4.0)	60.8	(1.4)	72.4	(1.2)	77.4	(2.3)	82.8	(4.0)
	Chile	58.2	(1.3)	70.0	(1.1)	80.3	(2.0)	c	c	65.5	(1.1)	72.3	(1.0)	81.9	(2.2)	c	c
	Colombia	66.7	(1.1)	74.5	(1.6)	c	c	c	c	66.9	(1.2)	71.8	(1.7)	c	c	c	c
	Croatia	54.3	(1.9)	64.0	(1.1)	73.3	(1.8)	81.7	(2.9)	53.6	(2.1)	56.1	(1.1)	63.4	(1.9)	74.1	(2.9)
	Estonia	38.1	(4.2)	51.7	(1.4)	65.8	(1.5)	76.0	(2.2)	57.8	(4.2)	70.2	(1.1)	72.8	(1.6)	81.7	(2.5)
	Hong Kong-China	48.4	(2.8)	65.0	(1.4)	76.7	(1.7)	79.1	(1.8)	53.6	(3.2)	61.3	(1.3)	67.0	(1.4)	75.8	(1.9)
	Indonesia	38.8	(1.3)	41.7	(1.2)	c	c	c	c	42.2	(1.0)	43.1	(1.6)	c	c	c	c
	Israel	57.3	(1.7)	63.9	(1.5)	70.8	(2.7)	73.2	(3.8)	62.0	(1.7)	67.0	(1.6)	72.2	(2.2)	76.6	(3.6)
	Jordan	59.8	(1.3)	61.3	(1.4)	70.6	(3.9)	c	c	75.0	(1.3)	76.9	(1.0)	82.2	(2.8)	c	c
	Kyrgyzstan	64.1	(1.1)	59.3	(1.9)	c	c	c	c	68.3	(1.0)	67.8	(2.1)	c	c	c	c
	Latvia	58.6	(2.8)	59.7	(1.1)	69.7	(2.4)	79.9	(3.9)	64.1	(2.4)	65.5	(1.3)	71.1	(2.1)	77.8	(3.8)
	Liechtenstein	41.3	(7.5)	59.8	(4.1)	73.3	(5.3)	83.4	(6.3)	31.9	(9.5)	50.3	(4.2)	54.5	(6.2)	65.0	(8.7)
	Lithuania	50.8	(2.0)	61.3	(1.5)	72.0	(2.1)	77.3	(4.0)	61.6	(2.0)	67.0	(1.1)	73.5	(1.7)	82.8	(2.9)
	Macao-China	50.8	(2.9)	55.4	(0.9)	65.6	(1.7)	71.8	(3.6)	55.5	(2.5)	56.8	(1.0)	64.0	(2.0)	72.5	(4.1)
	Montenegro	49.1	(1.3)	63.5	(1.4)	84.0	(4.5)	c	c	62.7	(1.2)	72.2	(1.2)	85.1	(4.3)	c	c
	Qatar	59.4	(0.7)	70.0	(1.8)	c	c	c	c	58.5	(0.7)	68.3	(1.4)	c	c	c	c
	Romania	48.0	(1.8)	54.5	(1.3)	63.9	(4.6)	c	c	61.0	(2.0)	68.9	(1.5)	75.6	(4.6)	c	c
	Russian Federation	44.9	(2.5)	50.9	(1.2)	56.2	(2.2)	61.1	(3.7)	67.1	(2.1)	75.2	(1.0)	79.5	(2.2)	85.4	(3.1)
	Serbia	54.1	(1.4)	67.1	(1.1)	77.6	(2.8)	c	c	62.2	(1.2)	68.8	(0.9)	79.9	(3.3)	c	c
Slovenia	42.7	(2.5)	47.5	(1.2)	57.5	(1.8)	63.7	(3.1)	54.2	(2.5)	57.6	(1.1)	64.4	(2.0)	70.1	(2.6)	
Chinese Taipei	49.3	(2.6)	64.8	(1.0)	74.1	(1.1)	80.6	(1.3)	57.7	(2.6)	72.0	(1.0)	80.6	(1.0)	86.2	(0.9)	
Thailand	70.3	(1.1)	74.8	(1.2)	82.3	(2.9)	c	c	69.7	(1.2)	74.2	(1.2)	83.7	(3.3)	c	c	
Tunisia	54.9	(1.0)	65.9	(1.5)	c	c	c	c	73.6	(1.1)	79.1	(1.5)	c	c	c	c	
Uruguay	60.3	(1.7)	69.3	(1.2)	81.5	(2.6)	c	c	68.0	(1.2)	74.4	(1.1)	81.1	(2.7)	c	c	

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Table A3.8b Self-efficacy in science (underlying percentages), by performance group

	Percentage of students who believe they can perform the following tasks either easily or with a bit of effort															
	Discuss how new evidence can lead you to change your understanding about the possibility of life on Mars						Identify the better of two explanations for the formation of acid rain									
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.				
OECD																
Australia	37.9	(1.4)	46.8	(0.8)	63.7	(1.1)	79.2	(1.2)	34.4	(1.4)	44.5	(0.9)	65.0	(1.2)	80.7	(1.4)
Austria	31.3	(2.2)	31.5	(1.0)	40.0	(1.6)	56.5	(2.5)	36.8	(2.7)	51.3	(1.1)	74.2	(1.4)	86.6	(1.7)
Belgium	40.7	(1.7)	44.8	(1.0)	60.5	(1.5)	76.7	(1.8)	39.5	(1.7)	49.0	(1.0)	70.6	(1.5)	82.9	(1.8)
Canada	41.0	(1.9)	49.3	(0.8)	64.5	(1.1)	78.3	(1.2)	41.4	(1.8)	53.5	(1.0)	71.3	(1.1)	85.6	(1.4)
Czech Republic	42.8	(2.4)	53.6	(1.2)	63.8	(1.8)	74.2	(2.2)	46.3	(2.3)	53.2	(1.2)	63.7	(1.7)	76.1	(2.2)
Denmark	47.3	(2.0)	59.5	(1.3)	76.1	(2.3)	85.9	(2.7)	33.4	(2.3)	44.7	(1.4)	66.5	(2.0)	79.8	(2.9)
Finland	36.3	(4.3)	53.5	(1.3)	70.8	(1.3)	82.5	(1.3)	30.5	(3.5)	34.4	(1.2)	53.4	(1.5)	72.5	(1.9)
France	37.3	(1.7)	50.7	(1.2)	68.2	(2.1)	80.3	(3.1)	30.5	(1.5)	37.7	(1.3)	55.0	(2.2)	73.3	(2.5)
Germany	32.2	(1.8)	39.3	(1.0)	49.0	(1.7)	63.1	(2.1)	37.9	(2.4)	57.7	(1.3)	76.8	(1.6)	89.5	(1.4)
Greece	37.0	(1.7)	39.7	(1.3)	53.1	(2.6)	65.3	(4.1)	44.2	(2.2)	58.5	(1.2)	76.7	(1.9)	86.2	(3.6)
Hungary	32.8	(2.8)	31.5	(1.1)	40.7	(1.9)	55.9	(3.3)	46.6	(2.8)	59.1	(1.2)	75.8	(1.8)	82.4	(3.1)
Iceland	42.3	(2.0)	56.2	(1.0)	76.0	(1.7)	87.0	(3.0)	39.0	(2.1)	51.4	(1.2)	73.3	(2.1)	85.3	(3.6)
Ireland	33.1	(2.1)	34.6	(1.1)	51.1	(2.0)	67.0	(2.9)	42.8	(2.3)	59.9	(1.1)	79.9	(1.6)	89.2	(2.0)
Italy	40.0	(1.4)	44.2	(0.9)	53.8	(1.7)	64.4	(2.9)	44.7	(1.3)	55.7	(0.9)	69.7	(1.4)	80.9	(1.8)
Japan	18.8	(1.7)	22.5	(1.0)	29.1	(1.3)	39.9	(1.7)	28.8	(2.4)	39.5	(1.1)	47.7	(1.7)	56.5	(2.1)
Korea	27.8	(2.3)	35.5	(1.2)	45.4	(1.9)	56.4	(3.2)	37.7	(2.1)	52.8	(1.5)	64.7	(1.5)	75.2	(2.6)
Luxembourg	44.1	(1.8)	41.2	(1.1)	48.8	(2.0)	59.2	(3.0)	41.3	(1.7)	44.3	(1.0)	62.0	(2.1)	78.4	(2.6)
Mexico	48.0	(1.1)	60.8	(0.9)	83.0	(2.6)	c	c	57.0	(1.1)	65.5	(0.9)	80.2	(3.3)	c	c
Netherlands	44.0	(2.9)	46.4	(1.3)	58.2	(1.8)	74.8	(2.2)	50.8	(3.0)	57.4	(1.2)	74.7	(1.3)	83.5	(1.7)
New Zealand	34.1	(2.0)	39.8	(1.5)	58.5	(2.2)	73.7	(1.7)	29.7	(2.3)	36.2	(1.4)	58.0	(2.1)	77.6	(1.9)
Norway	50.2	(2.1)	58.5	(1.2)	72.0	(2.1)	83.8	(3.2)	59.8	(1.7)	75.7	(1.0)	90.3	(1.7)	96.3	(1.4)
Poland	43.9	(1.8)	55.5	(1.1)	74.8	(1.7)	86.8	(2.1)	53.1	(1.7)	69.2	(1.0)	83.6	(1.3)	91.7	(2.0)
Portugal	49.8	(1.8)	54.8	(1.2)	71.1	(2.1)	81.8	(3.4)	54.2	(1.7)	66.1	(1.2)	80.9	(2.0)	88.2	(4.4)
Slovak Republic	46.0	(2.4)	58.7	(1.3)	70.7	(1.7)	80.9	(2.6)	53.8	(2.0)	66.1	(1.3)	79.8	(1.8)	84.9	(3.0)
Spain	40.1	(2.1)	55.0	(0.9)	69.0	(1.6)	81.0	(2.2)	40.8	(1.9)	59.9	(1.0)	79.2	(1.3)	89.4	(2.1)
Sweden	39.9	(2.5)	49.5	(1.4)	66.2	(2.2)	82.8	(2.7)	42.7	(2.7)	52.8	(1.3)	72.2	(2.2)	87.0	(2.5)
Switzerland	34.1	(1.9)	36.6	(0.9)	47.3	(1.4)	59.7	(2.0)	35.0	(2.0)	36.3	(0.8)	57.8	(1.8)	73.0	(2.3)
Turkey	43.9	(1.4)	54.5	(1.4)	77.2	(4.1)	c	c	46.7	(1.3)	61.9	(1.3)	86.7	(2.6)	c	c
United Kingdom	36.8	(1.9)	44.9	(1.2)	62.6	(1.6)	77.5	(1.7)	39.5	(2.0)	53.8	(1.2)	76.0	(1.5)	89.6	(1.4)
United States	49.3	(2.1)	53.3	(1.3)	71.8	(2.5)	83.7	(2.2)	49.3	(2.4)	53.0	(1.3)	70.1	(1.7)	83.9	(2.0)
OECD average	39.0	(0.4)	46.0	(0.2)	59.9	(0.3)	72.8	(0.5)	41.6	(0.4)	52.6	(0.2)	70.3	(0.3)	82.4	(0.4)
Partners																
Argentina	45.5	(1.6)	59.1	(1.6)	71.1	(5.2)	c	c	51.4	(1.5)	64.0	(1.8)	77.8	(5.0)	c	c
Azerbaijan	35.7	(1.2)	39.7	(2.1)	c	c	c	c	37.3	(1.4)	44.2	(2.0)	c	c	c	c
Brazil	39.3	(1.1)	45.7	(1.4)	60.2	(4.1)	c	c	44.0	(1.1)	56.0	(1.5)	78.1	(4.0)	c	c
Bulgaria	37.6	(1.6)	47.8	(1.5)	63.6	(2.8)	76.1	(4.6)	38.6	(1.5)	44.8	(1.4)	57.5	(3.6)	73.9	(7.0)
Chile	48.2	(1.4)	55.9	(1.2)	64.2	(2.8)	c	c	54.4	(1.5)	68.8	(1.3)	84.2	(2.0)	c	c
Colombia	45.8	(1.3)	52.3	(2.2)	c	c	c	c	54.5	(1.4)	65.5	(1.8)	c	c	c	c
Croatia	39.9	(1.9)	49.0	(1.0)	67.6	(1.9)	76.2	(3.0)	53.0	(1.8)	68.8	(0.9)	85.9	(1.6)	94.6	(1.8)
Estonia	29.8	(4.3)	38.8	(1.2)	50.6	(1.8)	68.1	(2.6)	32.0	(3.8)	45.1	(1.2)	66.3	(1.5)	83.0	(2.1)
Hong Kong-China	37.8	(3.1)	38.8	(1.4)	47.3	(1.6)	55.9	(1.9)	51.1	(3.1)	69.7	(1.1)	83.3	(1.1)	89.3	(1.1)
Indonesia	26.2	(1.0)	25.6	(1.4)	c	c	c	c	27.9	(1.0)	27.2	(1.8)	c	c	c	c
Israel	52.3	(1.8)	52.8	(1.8)	60.7	(2.3)	64.9	(4.8)	48.1	(1.9)	46.3	(1.5)	56.0	(2.4)	66.5	(3.2)
Jordan	48.8	(1.4)	50.2	(1.3)	62.2	(3.4)	c	c	53.2	(1.2)	68.3	(1.2)	86.5	(2.3)	c	c
Kyrgyzstan	45.6	(1.0)	47.6	(2.1)	c	c	c	c	48.1	(1.0)	47.8	(1.9)	c	c	c	c
Latvia	38.3	(2.1)	46.7	(1.1)	63.2	(1.9)	74.1	(3.8)	43.8	(2.6)	49.0	(1.2)	64.6	(2.6)	77.3	(3.5)
Liechtenstein	24.6	(7.8)	35.9	(4.0)	35.3	(6.4)	56.9	(9.0)	28.3	(9.5)	49.7	(4.3)	63.7	(6.5)	78.8	(7.7)
Lithuania	43.6	(2.5)	49.4	(1.5)	61.4	(1.9)	72.5	(3.5)	43.2	(1.8)	50.7	(1.4)	64.1	(2.0)	74.1	(3.4)
Macao-China	31.7	(2.5)	34.1	(1.0)	42.7	(2.1)	54.6	(3.9)	41.5	(2.8)	59.1	(1.2)	77.5	(1.7)	86.2	(2.9)
Montenegro	39.5	(1.2)	53.6	(1.1)	68.1	(4.6)	c	c	51.7	(1.3)	68.9	(1.3)	84.5	(4.2)	c	c
Qatar	50.6	(0.8)	55.9	(1.7)	c	c	c	c	50.8	(0.8)	60.5	(1.6)	c	c	c	c
Romania	35.3	(1.4)	36.5	(1.4)	59.8	(5.4)	c	c	44.8	(1.5)	54.2	(1.4)	71.4	(3.6)	c	c
Russian Federation	34.6	(2.8)	44.5	(1.3)	58.0	(2.5)	67.1	(4.3)	37.7	(3.1)	47.6	(1.5)	61.9	(2.5)	73.5	(4.4)
Serbia	41.6	(1.5)	54.8	(1.3)	74.2	(2.8)	c	c	46.6	(1.3)	63.8	(1.1)	83.2	(2.3)	c	c
Slovenia	36.1	(2.5)	43.4	(1.2)	55.6	(2.0)	68.8	(2.5)	41.4	(1.9)	56.4	(1.3)	75.4	(1.6)	85.0	(2.1)
Chinese Taipei	40.4	(2.1)	46.8	(1.1)	56.6	(1.2)	66.6	(1.9)	47.4	(2.3)	61.8	(1.0)	74.7	(1.0)	83.9	(1.3)
Thailand	55.7	(1.5)	54.6	(1.4)	57.4	(3.9)	c	c	60.8	(1.4)	62.7	(1.3)	81.3	(2.8)	c	c
Tunisia	35.8	(1.3)	42.7	(1.8)	c	c	c	c	41.7	(0.9)	38.5	(1.5)	c	c	c	c
Uruguay	49.7	(1.5)	61.8	(1.4)	76.7	(3.0)	c	c	58.5	(1.7)	69.9	(1.3)	82.5	(2.7)	c	c



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Table A3.9a Self-concept in science (mean index), by performance group

	Lowest performers		Moderate performers		Strong performers		Top performers		Difference in the mean index between strong performers and top performers	
	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Dif.	S.E.
OECD										
Australia	-0.60	(0.04)	-0.29	(0.02)	0.21	(0.02)	0.71	(0.03)	-0.50	(0.04)
Austria	-0.21	(0.06)	-0.09	(0.03)	0.33	(0.04)	0.76	(0.06)	-0.43	(0.08)
Belgium	-0.45	(0.06)	-0.29	(0.02)	0.02	(0.03)	0.45	(0.04)	-0.43	(0.05)
Canada	-0.29	(0.04)	-0.03	(0.02)	0.51	(0.03)	1.03	(0.03)	-0.53	(0.04)
Czech Republic	-0.14	(0.06)	-0.07	(0.02)	0.01	(0.03)	0.15	(0.04)	-0.14	(0.05)
Denmark	-0.46	(0.04)	-0.22	(0.03)	0.35	(0.04)	0.75	(0.06)	-0.40	(0.08)
Finland	-0.53	(0.08)	-0.21	(0.02)	0.16	(0.02)	0.58	(0.03)	-0.42	(0.04)
France	-0.37	(0.05)	-0.25	(0.03)	0.14	(0.03)	0.71	(0.05)	-0.57	(0.06)
Germany	-0.07	(0.05)	0.13	(0.03)	0.40	(0.03)	0.80	(0.05)	-0.39	(0.06)
Greece	-0.09	(0.04)	-0.03	(0.02)	0.35	(0.04)	0.74	(0.12)	-0.39	(0.14)
Hungary	-0.16	(0.07)	-0.33	(0.02)	-0.12	(0.04)	0.30	(0.07)	-0.42	(0.08)
Iceland	-0.54	(0.04)	-0.02	(0.03)	0.69	(0.04)	1.21	(0.06)	-0.52	(0.08)
Ireland	-0.59	(0.05)	-0.34	(0.03)	0.27	(0.04)	0.74	(0.06)	-0.47	(0.07)
Italy	0.09	(0.02)	0.10	(0.02)	0.36	(0.03)	0.71	(0.06)	-0.35	(0.07)
Japan	-1.23	(0.05)	-1.01	(0.02)	-0.74	(0.03)	-0.43	(0.05)	-0.31	(0.06)
Korea	-1.10	(0.04)	-0.91	(0.02)	-0.43	(0.04)	0.02	(0.05)	-0.44	(0.05)
Luxembourg	-0.07	(0.04)	0.17	(0.02)	0.55	(0.04)	1.00	(0.06)	-0.44	(0.08)
Mexico	0.50	(0.02)	0.54	(0.02)	0.79	(0.04)	c	c	c	c
Netherlands	-0.49	(0.08)	-0.51	(0.02)	-0.24	(0.03)	0.24	(0.04)	-0.48	(0.05)
New Zealand	-0.39	(0.05)	-0.33	(0.03)	0.08	(0.04)	0.60	(0.04)	-0.52	(0.06)
Norway	-0.33	(0.04)	-0.05	(0.02)	0.48	(0.05)	0.99	(0.06)	-0.50	(0.10)
Poland	-0.04	(0.04)	-0.02	(0.02)	0.28	(0.03)	0.64	(0.05)	-0.35	(0.06)
Portugal	0.11	(0.04)	0.28	(0.02)	0.61	(0.04)	0.94	(0.08)	-0.33	(0.09)
Slovak Republic	0.00	(0.04)	0.12	(0.02)	0.32	(0.03)	0.46	(0.07)	-0.14	(0.08)
Spain	-0.30	(0.03)	-0.12	(0.01)	0.41	(0.03)	0.90	(0.05)	-0.49	(0.07)
Sweden	-0.53	(0.06)	-0.15	(0.02)	0.44	(0.04)	0.98	(0.05)	-0.55	(0.06)
Switzerland	-0.27	(0.04)	-0.03	(0.02)	0.33	(0.03)	0.67	(0.05)	-0.34	(0.05)
Turkey	0.07	(0.04)	0.16	(0.03)	0.58	(0.06)	c	c	c	c
United Kingdom	-0.27	(0.03)	-0.16	(0.02)	0.18	(0.03)	0.69	(0.04)	-0.51	(0.05)
United States	-0.02	(0.06)	0.04	(0.03)	0.55	(0.04)	0.95	(0.06)	-0.40	(0.08)
OECD average	-0.33	(0.01)	-0.17	(0.00)	0.23	(0.01)	0.65	(0.01)	-0.42	(0.01)
Partners										
Argentina	0.25	(0.03)	0.27	(0.03)	0.38	(0.14)	c	c	c	c
Azerbaijan	0.64	(0.04)	0.67	(0.04)	c	c	c	c	c	c
Bulgaria	0.34	(0.03)	0.35	(0.02)	0.45	(0.04)	0.75	(0.10)	-0.30	(0.10)
Brazil	0.36	(0.02)	0.35	(0.03)	0.54	(0.08)	c	c	c	c
Chile	0.04	(0.03)	0.19	(0.02)	0.58	(0.06)	c	c	c	c
Colombia	0.72	(0.03)	0.77	(0.03)	c	c	c	c	c	c
Estonia	-0.16	(0.06)	-0.02	(0.02)	0.25	(0.03)	0.61	(0.05)	-0.36	(0.06)
Hong Kong-China	-0.55	(0.08)	-0.44	(0.03)	-0.21	(0.04)	0.18	(0.04)	-0.39	(0.05)
Croatia	-0.14	(0.05)	-0.07	(0.02)	0.11	(0.04)	0.36	(0.05)	-0.25	(0.06)
Indonesia	0.29	(0.02)	-0.03	(0.04)	c	c	c	c	c	c
Israel	0.00	(0.04)	0.25	(0.04)	0.69	(0.05)	0.99	(0.06)	-0.31	(0.08)
Jordan	0.60	(0.02)	0.80	(0.02)	1.22	(0.05)	c	c	c	c
Kyrgyzstan	0.75	(0.02)	0.36	(0.03)	c	c	c	c	c	c
Liechtenstein	-0.22	(0.18)	-0.02	(0.10)	0.25	(0.11)	0.49	(0.17)	-0.24	(0.20)
Lithuania	-0.33	(0.03)	-0.33	(0.02)	-0.01	(0.04)	0.36	(0.07)	-0.38	(0.08)
Latvia	0.00	(0.05)	-0.02	(0.02)	0.14	(0.04)	0.43	(0.08)	-0.29	(0.10)
Macao-China	-0.18	(0.05)	-0.20	(0.03)	0.05	(0.05)	0.34	(0.09)	-0.29	(0.10)
Montenegro	0.50	(0.02)	0.47	(0.02)	0.68	(0.13)	c	c	c	c
Qatar	0.54	(0.02)	0.74	(0.03)	c	c	c	c	c	c
Romania	0.36	(0.03)	0.30	(0.02)	0.50	(0.07)	c	c	c	c
Russian Federation	0.11	(0.04)	0.12	(0.03)	0.28	(0.04)	0.59	(0.07)	-0.31	(0.08)
Serbia	0.20	(0.03)	0.22	(0.02)	0.56	(0.05)	c	c	c	c
Slovenia	0.23	(0.04)	0.14	(0.02)	0.24	(0.03)	0.47	(0.06)	-0.23	(0.07)
Chinese Taipei	-0.39	(0.06)	-0.58	(0.03)	-0.32	(0.02)	-0.02	(0.03)	-0.29	(0.04)
Thailand	0.74	(0.02)	0.63	(0.02)	0.77	(0.06)	c	c	c	c
Tunisia	0.59	(0.02)	0.71	(0.03)	c	c	c	c	c	c
Uruguay	0.28	(0.04)	0.35	(0.03)	0.64	(0.06)	c	c	c	c

Note: Values that are statistically significant are indicated in bold (see Annex B).

[Part 1/3]

Table A3.9b Self-concept in science (underlying percentages), by performance group

	Percentage of students agreeing or strongly agreeing with the following statements																
	Learning advanced science topics would be easy for me					I can usually give good answers to test questions on science topics											
	Lowest performers		Moderate performers		Strong performers		Top performers		Lowest performers		Moderate performers		Strong performers		Top performers		
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	
OECD	Australia	29.5	(1.6)	27.2	(0.8)	46.3	(1.5)	69.3	(1.5)	39.6	(2.1)	57.6	(0.9)	79.8	(1.0)	92.1	(0.9)
	Austria	50.5	(3.1)	40.5	(1.3)	49.9	(1.8)	67.0	(2.9)	56.4	(2.0)	63.5	(1.3)	78.8	(1.4)	87.4	(1.5)
	Belgium	42.5	(2.1)	32.6	(1.1)	42.7	(1.5)	64.1	(1.9)	45.9	(2.4)	56.9	(1.1)	73.9	(1.2)	87.8	(1.3)
	Canada	42.7	(2.2)	43.7	(1.1)	62.4	(1.6)	80.8	(1.3)	50.1	(2.3)	65.2	(1.1)	83.3	(1.1)	94.0	(0.9)
	Czech Republic	47.2	(3.1)	34.2	(1.6)	31.5	(1.8)	40.2	(2.6)	53.7	(2.6)	62.9	(1.2)	73.4	(1.7)	79.1	(2.2)
	Denmark	26.7	(2.0)	29.5	(1.3)	52.4	(2.0)	68.9	(3.3)	46.0	(2.2)	60.7	(1.2)	83.8	(1.5)	93.8	(2.4)
	Finland	34.7	(4.4)	38.9	(1.3)	53.5	(1.7)	69.1	(2.1)	43.7	(5.1)	55.9	(1.3)	76.4	(1.3)	89.7	(1.4)
	France	38.6	(2.1)	36.3	(1.3)	51.2	(1.8)	70.3	(2.9)	49.4	(2.2)	56.1	(1.2)	71.5	(1.6)	88.8	(1.8)
	Germany	62.4	(2.5)	62.7	(1.2)	69.9	(1.4)	80.0	(2.0)	52.3	(2.7)	61.2	(1.2)	73.3	(1.5)	85.0	(1.7)
	Greece	55.8	(2.4)	52.3	(1.4)	66.8	(2.6)	75.9	(5.2)	53.9	(2.0)	61.0	(1.2)	78.5	(2.0)	89.4	(4.7)
	Hungary	48.5	(4.0)	26.8	(1.2)	30.0	(1.8)	49.4	(3.4)	52.6	(3.2)	51.5	(1.2)	61.0	(2.2)	73.6	(3.0)
	Iceland	30.9	(2.1)	43.3	(1.3)	71.5	(2.3)	87.9	(2.7)	40.6	(1.9)	64.7	(1.2)	90.3	(1.4)	97.6	(1.1)
	Ireland	34.4	(2.4)	28.1	(1.1)	47.1	(2.7)	66.4	(3.1)	41.2	(2.4)	54.4	(1.4)	80.3	(2.1)	91.0	(1.7)
	Italy	56.4	(1.3)	50.5	(0.9)	59.2	(1.7)	70.0	(2.6)	72.6	(1.1)	78.6	(0.7)	87.9	(1.3)	92.0	(1.5)
	Japan	11.9	(1.4)	8.8	(0.6)	10.8	(1.1)	17.9	(1.7)	18.7	(2.0)	25.3	(1.0)	32.3	(1.7)	43.7	(2.6)
	Korea	9.8	(1.6)	9.0	(0.8)	19.6	(1.8)	35.2	(3.0)	15.6	(1.7)	25.1	(1.2)	48.1	(2.4)	67.0	(2.5)
	Luxembourg	56.7	(1.7)	63.7	(0.9)	73.7	(1.7)	84.9	(2.6)	55.5	(1.7)	69.4	(1.1)	81.2	(1.6)	90.8	(2.9)
	Mexico	84.8	(0.8)	80.5	(0.8)	81.1	(2.2)	c	c	75.1	(0.8)	80.7	(0.8)	90.4	(1.9)	c	c
	Netherlands	34.3	(3.2)	25.1	(1.1)	27.4	(2.1)	46.3	(2.4)	40.3	(3.3)	38.9	(1.2)	55.4	(1.6)	76.7	(2.1)
	New Zealand	38.5	(2.7)	27.2	(1.5)	41.6	(1.9)	66.5	(2.0)	48.5	(2.6)	59.1	(1.3)	77.3	(1.5)	90.9	(1.3)
	Norway	40.8	(2.2)	36.8	(1.2)	53.6	(2.2)	76.8	(3.6)	54.8	(2.1)	73.8	(1.1)	92.2	(1.1)	97.9	(0.9)
	Poland	63.9	(2.1)	57.2	(1.1)	58.3	(2.1)	72.0	(3.1)	59.3	(2.3)	66.2	(1.1)	81.7	(1.6)	90.5	(1.9)
	Portugal	51.7	(1.9)	49.4	(1.4)	67.9	(2.3)	82.0	(3.8)	71.5	(1.9)	83.0	(1.0)	94.7	(1.2)	97.4	(1.8)
	Slovak Republic	51.2	(3.0)	49.3	(1.1)	57.5	(2.2)	67.1	(3.4)	52.2	(2.7)	65.3	(1.1)	74.8	(1.9)	74.7	(2.4)
	Spain	51.9	(1.9)	52.2	(0.9)	65.8	(1.7)	77.1	(2.4)	47.1	(1.7)	58.0	(0.9)	80.3	(1.5)	90.5	(1.7)
	Sweden	30.7	(1.9)	35.5	(1.1)	58.9	(2.3)	80.8	(2.3)	46.2	(2.6)	67.7	(1.1)	87.5	(1.6)	94.1	(1.5)
	Switzerland	48.6	(2.0)	49.5	(1.0)	60.6	(1.5)	74.4	(1.7)	47.8	(2.0)	61.4	(1.0)	77.6	(1.1)	87.4	(1.5)
	Turkey	66.3	(1.6)	65.5	(1.3)	78.8	(2.5)	c	c	57.4	(1.7)	60.4	(1.5)	81.2	(3.3)	c	c
United Kingdom	44.7	(1.9)	35.6	(1.2)	47.0	(1.8)	70.2	(2.0)	55.9	(1.7)	65.4	(1.0)	81.6	(1.3)	92.6	(1.4)	
United States	47.9	(2.0)	52.0	(1.3)	72.9	(2.0)	84.8	(2.1)	57.6	(2.1)	60.3	(1.4)	78.1	(1.9)	88.7	(1.9)	
OECD average	42.3	(0.5)	39.2	(0.2)	51.8	(0.4)	67.7	(0.5)	48.9	(0.5)	59.6	(0.2)	76.3	(0.3)	86.7	(0.4)	
Partners	Argentina	68.5	(1.8)	63.3	(1.7)	60.8	(5.7)	c	c	68.5	(1.5)	75.6	(1.3)	85.4	(3.9)	c	c
	Azerbaijan	84.7	(1.0)	81.1	(1.5)	c	c	c	c	74.3	(1.7)	78.8	(1.6)	c	c	c	c
	Brazil	73.3	(1.1)	61.9	(1.6)	61.3	(5.4)	c	c	78.3	(1.0)	83.3	(1.2)	88.0	(3.6)	c	c
	Bulgaria	67.2	(1.6)	65.6	(1.3)	69.7	(2.4)	79.4	(5.0)	74.1	(1.6)	82.1	(1.2)	88.7	(1.6)	93.2	(3.0)
	Chile	59.3	(1.8)	61.3	(1.3)	68.0	(2.8)	c	c	53.7	(1.6)	60.1	(1.4)	77.6	(2.9)	c	c
	Colombia	86.4	(1.0)	85.9	(1.4)	c	c	c	c	81.6	(1.1)	84.8	(1.2)	c	c	c	c
	Croatia	54.0	(2.4)	48.6	(1.2)	48.8	(2.0)	60.1	(4.5)	53.9	(2.3)	64.9	(1.0)	76.2	(1.9)	84.3	(2.7)
	Estonia	39.4	(3.9)	32.4	(1.3)	43.8	(2.0)	60.6	(2.4)	44.8	(4.2)	57.3	(1.2)	73.7	(1.8)	84.8	(1.8)
	Hong Kong-China	38.3	(4.6)	29.9	(1.7)	33.2	(1.9)	47.3	(2.1)	30.4	(3.7)	30.5	(1.9)	40.1	(2.0)	54.1	(2.5)
	Indonesia	72.5	(1.1)	53.5	(2.5)	c	c	c	c	73.3	(1.0)	60.8	(2.5)	c	c	c	c
	Israel	56.3	(1.5)	57.0	(1.8)	72.1	(3.1)	81.0	(3.2)	61.5	(1.6)	73.5	(1.3)	86.9	(2.0)	94.0	(2.0)
	Jordan	86.1	(0.8)	87.1	(0.8)	91.2	(2.0)	c	c	82.9	(1.0)	88.9	(0.8)	95.8	(1.2)	c	c
	Kyrgyzstan	89.4	(0.6)	63.7	(2.4)	c	c	c	c	84.6	(0.8)	77.8	(2.3)	c	c	c	c
	Latvia	60.0	(3.0)	50.5	(1.3)	54.3	(3.2)	68.5	(4.5)	55.6	(2.8)	66.9	(1.5)	80.5	(2.3)	85.9	(3.6)
	Liechtenstein	59.2	(9.2)	52.4	(4.3)	56.7	(6.0)	61.2	(8.2)	60.9	(9.0)	60.1	(4.3)	75.5	(4.9)	72.9	(6.8)
	Lithuania	34.9	(1.8)	26.8	(1.0)	38.9	(1.9)	53.7	(3.4)	40.7	(1.8)	49.0	(1.3)	70.9	(2.2)	80.0	(3.3)
	Macao-China	48.0	(2.8)	39.9	(1.5)	46.6	(2.7)	61.2	(4.7)	51.8	(2.9)	56.5	(1.5)	67.7	(2.2)	79.2	(3.7)
	Montenegro	82.1	(1.1)	76.6	(1.1)	77.9	(4.8)	c	c	75.8	(1.1)	79.9	(1.1)	92.2	(3.3)	c	c
	Qatar	81.0	(0.6)	76.3	(1.3)	c	c	c	c	78.5	(0.6)	87.3	(1.0)	c	c	c	c
	Romania	76.5	(1.8)	69.4	(1.6)	75.5	(3.8)	c	c	78.4	(1.5)	79.6	(1.3)	90.5	(2.4)	c	c
	Russian Federation	55.7	(1.9)	44.6	(1.2)	46.2	(2.8)	57.1	(4.6)	61.2	(1.8)	67.3	(1.3)	75.7	(1.8)	86.4	(2.6)
	Serbia	67.2	(1.5)	61.8	(1.4)	71.7	(3.2)	c	c	66.3	(1.3)	68.8	(1.1)	78.7	(2.9)	c	c
	Slovenia	74.4	(2.0)	70.4	(1.0)	72.4	(1.8)	77.5	(2.6)	74.2	(2.0)	72.4	(1.1)	76.3	(2.1)	82.1	(2.6)
	Chinese Taipei	35.9	(3.2)	21.3	(1.1)	26.8	(1.1)	37.2	(1.7)	39.1	(2.6)	28.1	(1.4)	39.0	(1.4)	51.0	(1.7)
	Thailand	91.6	(0.7)	87.9	(0.8)	90.9	(2.3)	c	c	82.9	(0.9)	79.2	(1.0)	83.7	(3.5)	c	c
	Tunisia	82.4	(1.0)	84.3	(1.2)	c	c	c	c	70.1	(1.1)	69.7	(1.5)	c	c	c	c
	Uruguay	71.2	(2.0)	67.9	(1.7)	71.4	(3.7)	c	c	72.2	(1.4)	79.4	(1.1)	88.4	(2.1)	c	c



[Part 2/3]

Table A3.9b Self-concept in science (underlying percentages), by performance group

	Percentage of students agreeing or strongly agreeing with the following statements																
	I learn science topics quickly								Science topics are easy for me								
	Lowest performers		Moderate performers		Strong performers		Top performers		Lowest performers		Moderate performers		Strong performers		Top performers		
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	
OECD	Australia	32.3	(1.7)	45.0	(0.9)	66.9	(1.1)	83.2	(1.2)	27.4	(1.6)	36.3	(0.9)	57.9	(1.1)	76.0	(1.3)
	Austria	47.3	(2.4)	55.9	(1.2)	70.9	(1.7)	83.1	(2.2)	40.0	(2.6)	41.3	(1.3)	51.8	(2.0)	63.4	(3.4)
	Belgium	41.7	(2.3)	47.6	(1.1)	61.1	(1.5)	76.0	(2.2)	34.6	(2.2)	33.7	(1.2)	39.7	(1.6)	57.2	(2.2)
	Canada	43.7	(2.3)	55.5	(1.0)	75.9	(1.3)	89.3	(1.1)	40.9	(2.1)	49.8	(1.1)	70.7	(1.3)	85.5	(1.5)
	Czech Republic	45.5	(3.3)	55.1	(1.0)	59.6	(2.2)	66.4	(2.6)	43.8	(3.4)	44.2	(1.2)	41.9	(2.2)	45.9	(2.0)
	Denmark	39.1	(2.2)	51.0	(1.4)	74.3	(2.0)	85.3	(2.8)	26.3	(2.0)	37.3	(1.3)	61.8	(1.9)	75.1	(3.0)
	Finland	39.2	(4.7)	47.6	(1.3)	67.8	(1.4)	82.7	(1.5)	27.2	(4.2)	39.0	(1.3)	58.2	(1.6)	75.7	(1.8)
	France	38.6	(1.8)	45.9	(1.3)	62.6	(1.8)	85.9	(1.9)	31.3	(2.1)	32.8	(1.1)	49.0	(1.7)	75.4	(2.6)
	Germany	47.8	(2.7)	59.6	(1.2)	71.1	(1.7)	83.5	(1.4)	43.0	(2.6)	47.3	(1.3)	54.0	(1.8)	67.7	(2.7)
	Greece	48.6	(1.9)	53.6	(1.1)	70.7	(1.8)	83.6	(3.2)	40.3	(2.1)	38.5	(1.4)	53.5	(2.3)	70.7	(5.7)
	Hungary	44.3	(2.5)	43.2	(1.1)	54.4	(2.0)	71.5	(2.8)	41.4	(3.6)	33.1	(1.2)	38.5	(1.9)	56.5	(3.7)
	Iceland	35.6	(2.4)	54.6	(1.3)	81.6	(1.9)	92.8	(1.7)	34.4	(2.0)	56.5	(1.2)	83.7	(1.8)	94.3	(1.8)
	Ireland	27.2	(2.2)	40.9	(1.3)	64.9	(1.7)	81.8	(2.8)	23.3	(2.3)	32.7	(1.1)	58.9	(1.8)	76.4	(3.3)
	Italy	53.6	(1.2)	56.9	(0.9)	69.1	(1.7)	80.9	(1.8)	49.9	(1.4)	46.9	(0.9)	57.8	(2.1)	68.4	(3.0)
	Japan	15.3	(1.6)	19.9	(1.0)	27.9	(1.6)	40.3	(2.2)	9.8	(1.5)	10.7	(0.7)	14.4	(1.2)	22.6	(2.1)
	Korea	15.4	(1.9)	23.2	(1.0)	42.9	(1.9)	61.7	(2.5)	9.9	(1.5)	13.7	(1.0)	29.0	(1.5)	44.2	(2.6)
	Luxembourg	50.9	(1.9)	59.6	(1.0)	72.9	(2.0)	85.3	(3.3)	47.2	(1.7)	52.9	(1.3)	64.1	(2.2)	78.2	(3.1)
	Mexico	71.7	(1.0)	78.3	(0.9)	86.1	(2.3)	c	c	70.1	(1.0)	74.1	(0.8)	84.0	(2.3)	c	c
	Netherlands	35.4	(3.1)	35.5	(1.3)	48.4	(2.1)	68.2	(2.3)	33.2	(3.6)	27.8	(1.3)	38.2	(1.9)	56.1	(2.5)
	New Zealand	35.5	(2.6)	40.7	(1.7)	60.4	(2.2)	81.3	(1.7)	30.6	(2.4)	31.0	(1.4)	50.7	(2.1)	73.3	(1.7)
	Norway	42.2	(1.7)	55.6	(1.2)	77.9	(2.2)	90.4	(2.4)	34.2	(1.9)	44.8	(1.3)	64.8	(2.7)	82.8	(3.1)
	Poland	50.9	(2.0)	51.3	(1.2)	66.3	(2.2)	79.9	(2.9)	39.0	(2.0)	37.8	(1.3)	55.5	(2.1)	74.4	(2.8)
	Portugal	61.9	(1.8)	75.1	(1.2)	88.6	(1.8)	96.9	(2.3)	60.6	(2.0)	65.8	(1.4)	78.1	(2.1)	90.1	(3.7)
	Slovak Republic	54.1	(2.3)	59.5	(1.2)	66.5	(1.9)	69.9	(2.9)	51.4	(2.1)	49.5	(1.3)	52.5	(2.5)	57.2	(4.2)
	Spain	38.7	(1.4)	46.6	(0.8)	70.1	(1.9)	86.4	(1.7)	37.3	(1.8)	46.7	(0.9)	72.8	(1.3)	88.8	(1.5)
	Sweden	35.0	(2.4)	52.0	(1.2)	73.8	(1.6)	89.4	(1.9)	29.6	(2.4)	44.1	(1.3)	67.3	(1.7)	84.1	(2.5)
	Switzerland	43.9	(1.7)	55.3	(1.1)	68.6	(1.4)	78.0	(2.0)	38.8	(1.9)	47.4	(1.1)	58.9	(1.5)	68.2	(2.4)
	Turkey	59.6	(1.6)	64.7	(1.6)	83.3	(2.1)	c	c	51.2	(1.5)	53.3	(1.5)	66.4	(3.1)	c	c
	United Kingdom	38.0	(2.0)	46.8	(1.0)	62.4	(1.5)	81.0	(1.4)	30.2	(1.6)	35.2	(1.0)	51.6	(1.6)	72.4	(1.8)
	United States	55.5	(1.6)	58.6	(1.3)	76.1	(1.5)	87.6	(1.8)	52.7	(2.5)	44.0	(1.4)	62.6	(2.2)	78.7	(2.4)
	OECD average	41.3	(0.4)	49.7	(0.2)	66.2	(0.3)	80.1	(0.4)	36.0	(0.4)	40.0	(0.2)	54.9	(0.4)	70.0	(0.5)
	Partners	Argentina	63.8	(1.8)	67.9	(1.4)	71.8	(5.3)	c	c	56.3	(1.7)	56.2	(1.8)	61.9	(5.1)	c
Azerbaijan		75.4	(1.6)	78.5	(1.9)	c	c	c	c	71.7	(1.6)	74.2	(1.9)	c	c	c	c
Brazil		60.7	(1.1)	69.1	(1.3)	77.8	(3.1)	c	c	60.5	(1.4)	62.9	(1.6)	74.3	(4.7)	c	c
Bulgaria		66.7	(1.5)	70.8	(1.4)	75.4	(2.4)	80.0	(4.3)	64.4	(2.0)	60.3	(1.6)	63.3	(2.4)	72.2	(4.9)
Chile		52.1	(1.5)	62.7	(1.2)	81.3	(2.9)	c	c	41.9	(1.5)	50.3	(1.3)	71.3	(3.0)	c	c
Colombia		81.9	(1.3)	87.3	(1.3)	c	c	c	c	76.5	(1.5)	80.5	(1.8)	c	c	c	c
Croatia		48.0	(2.6)	54.0	(1.3)	64.7	(2.3)	76.0	(3.3)	38.0	(2.6)	32.6	(1.1)	36.3	(2.0)	46.0	(3.2)
Estonia		53.1	(4.0)	65.4	(1.2)	75.2	(1.5)	85.2	(2.2)	43.2	(4.7)	51.0	(1.3)	61.1	(1.7)	72.9	(2.5)
Hong Kong-China		33.6	(4.1)	39.1	(1.8)	51.6	(2.0)	68.1	(2.3)	27.8	(4.2)	29.0	(1.5)	39.4	(1.9)	53.9	(2.3)
Indonesia		55.1	(1.3)	40.9	(2.3)	c	c	c	c	49.7	(1.4)	31.1	(1.7)	c	c	c	c
Israel		49.0	(1.5)	60.3	(1.4)	76.9	(2.2)	86.6	(2.5)	47.1	(1.6)	54.7	(1.4)	70.5	(2.6)	79.1	(3.1)
Jordan		73.4	(1.1)	81.5	(1.0)	92.4	(1.6)	c	c	68.5	(1.3)	73.6	(1.3)	86.8	(3.1)	c	c
Kyrgyzstan		78.4	(0.8)	71.2	(2.1)	c	c	c	c	79.5	(0.8)	67.3	(1.9)	c	c	c	c
Latvia		51.4	(3.3)	56.0	(1.7)	66.7	(2.8)	77.6	(5.1)	46.7	(2.5)	41.7	(1.3)	48.1	(2.9)	58.4	(4.6)
Liechtenstein		46.8	(8.8)	56.0	(4.1)	63.9	(6.4)	68.5	(8.8)	37.5	(8.0)	43.9	(4.0)	56.4	(5.2)	62.7	(8.4)
Lithuania		39.2	(1.9)	44.3	(1.3)	64.0	(2.1)	74.0	(3.6)	28.4	(1.9)	24.1	(1.3)	35.7	(2.3)	49.4	(3.6)
Macao-China		42.6	(2.5)	46.1	(1.4)	56.0	(2.4)	68.3	(4.1)	38.7	(3.1)	36.2	(1.5)	42.9	(2.5)	58.5	(4.5)
Montenegro		75.8	(1.2)	80.5	(1.3)	90.7	(4.9)	c	c	62.0	(1.3)	56.3	(1.3)	62.7	(5.8)	c	c
Qatar		68.3	(0.7)	78.4	(1.4)	c	c	c	c	63.4	(0.8)	70.7	(2.0)	c	c	c	c
Romania		64.7	(2.0)	68.9	(1.4)	76.2	(3.5)	c	c	62.8	(2.0)	57.6	(1.5)	58.5	(4.9)	c	c
Russian Federation		54.3	(2.3)	64.0	(1.7)	76.0	(2.3)	86.7	(3.1)	50.6	(2.5)	55.4	(1.7)	64.5	(2.5)	77.6	(3.4)
Serbia		58.5	(1.5)	61.9	(1.3)	74.9	(2.9)	c	c	59.6	(1.5)	55.3	(1.3)	66.3	(3.5)	c	c
Slovenia		64.0	(2.2)	62.4	(1.2)	63.9	(2.3)	71.3	(3.0)	56.6	(1.9)	48.0	(1.0)	46.3	(2.1)	54.5	(2.8)
Chinese Taipei		37.1	(2.6)	30.0	(1.2)	41.7	(1.3)	54.7	(1.5)	34.5	(2.9)	21.5	(1.2)	29.7	(1.1)	41.7	(2.0)
Thailand		81.6	(1.0)	79.6	(1.0)	86.0	(2.8)	c	c	79.5	(1.1)	74.1	(1.2)	79.0	(3.8)	c	c
Tunisia		71.4	(1.1)	80.4	(1.4)	c	c	c	c	66.4	(1.4)	73.1	(1.7)	c	c	c	c
Uruguay	62.2	(1.7)	70.4	(1.3)	85.0	(2.8)	c	c	60.6	(1.9)	64.9	(1.4)	74.9	(3.5)	c	c	

[Part 3/3]

Table A3.9b Self-concept in science (underlying percentages), by performance group

	Percentage of students agreeing or strongly agreeing with the following statements																
	When I am being taught science, I can understand the concepts very well					I can easily understand new ideas in science											
	Lowest performers		Moderate performers		Strong performers		Top performers		Lowest performers		Moderate performers		Strong performers		Top performers		
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	
<i>OECD</i>	Australia	37.1	(1.9)	50.6	(0.9)	69.7	(1.2)	85.6	(1.2)	36.8	(1.8)	50.2	(1.0)	68.8	(1.1)	83.9	(1.1)
	Austria	45.7	(2.4)	55.4	(1.3)	75.8	(1.6)	84.9	(1.7)	42.4	(2.9)	44.5	(1.3)	61.5	(1.9)	76.4	(2.5)
	Belgium	43.9	(2.3)	50.8	(1.2)	64.9	(1.6)	78.0	(1.8)	40.6	(2.2)	44.2	(1.4)	57.5	(1.6)	74.3	(1.6)
	Canada	46.3	(2.0)	59.7	(0.9)	77.2	(1.1)	89.5	(1.2)	46.7	(2.2)	58.1	(1.0)	76.1	(1.2)	89.4	(1.0)
	Czech Republic	47.9	(3.0)	58.6	(1.3)	65.6	(2.1)	70.1	(2.8)	49.7	(3.1)	57.4	(1.5)	62.3	(2.0)	67.6	(2.5)
	Denmark	41.4	(2.1)	54.9	(1.3)	78.0	(1.7)	88.3	(2.3)	38.0	(2.2)	47.5	(1.4)	71.0	(2.4)	84.4	(2.6)
	Finland	29.7	(4.8)	40.6	(1.4)	55.7	(1.7)	73.2	(1.9)	36.2	(4.3)	48.5	(1.5)	67.0	(1.5)	80.6	(1.6)
	France	44.7	(1.8)	51.9	(1.2)	65.8	(1.9)	83.2	(2.4)	40.8	(2.1)	46.4	(1.3)	61.3	(1.7)	79.6	(2.4)
	Germany	50.5	(2.8)	55.9	(1.2)	68.0	(1.6)	80.4	(1.8)	48.3	(2.8)	57.6	(1.4)	69.2	(1.8)	81.5	(1.8)
	Greece	49.1	(2.1)	53.3	(1.1)	67.4	(2.0)	79.7	(4.9)	49.8	(1.9)	52.4	(1.2)	66.1	(1.9)	78.2	(4.5)
	Hungary	45.0	(3.1)	44.5	(1.1)	56.6	(2.0)	76.2	(3.1)	45.2	(3.3)	42.0	(1.2)	53.6	(2.3)	71.4	(2.8)
	Iceland	34.6	(1.9)	56.0	(1.2)	77.8	(2.4)	90.7	(2.6)	37.4	(2.1)	56.3	(1.2)	81.5	(1.9)	94.4	(1.8)
	Ireland	36.9	(2.6)	48.5	(1.3)	72.5	(1.8)	85.2	(2.4)	34.6	(2.8)	43.7	(1.4)	66.3	(1.7)	80.1	(2.2)
	Italy	59.0	(1.1)	62.4	(0.9)	71.9	(1.9)	82.1	(1.9)	53.6	(1.2)	54.4	(0.9)	65.7	(1.8)	79.5	(2.0)
	Japan	22.2	(1.9)	32.2	(1.2)	43.9	(1.5)	57.0	(2.1)	15.7	(1.5)	15.0	(0.8)	18.3	(1.4)	27.0	(2.0)
	Korea	13.6	(1.7)	20.6	(1.0)	41.7	(1.5)	57.2	(2.7)	16.4	(1.9)	23.5	(1.1)	39.5	(1.5)	55.9	(2.7)
	Luxembourg	50.8	(1.7)	56.9	(1.1)	71.5	(1.6)	82.9	(2.4)	50.0	(1.6)	57.2	(1.1)	73.6	(1.8)	86.8	(2.5)
	Mexico	73.1	(0.8)	75.5	(0.9)	84.5	(2.0)	c	c	72.4	(0.9)	74.0	(0.9)	84.4	(2.1)	c	c
	Netherlands	39.3	(3.7)	46.3	(1.3)	65.5	(1.4)	83.3	(1.7)	40.2	(3.3)	38.2	(1.4)	50.0	(2.0)	73.7	(2.1)
	New Zealand	43.5	(2.4)	48.5	(1.4)	64.3	(1.9)	83.3	(1.7)	43.6	(2.4)	47.3	(1.5)	63.8	(2.1)	81.0	(1.7)
	Norway	41.9	(2.2)	53.4	(1.2)	75.4	(2.6)	89.7	(3.2)	40.8	(2.4)	50.9	(1.3)	70.6	(2.5)	87.6	(2.2)
	Poland	55.0	(2.1)	60.8	(1.2)	74.5	(1.6)	84.7	(2.4)	44.7	(2.1)	50.7	(1.2)	66.0	(1.7)	77.5	(2.8)
	Portugal	63.5	(2.0)	71.1	(1.3)	80.8	(2.3)	92.1	(2.7)	61.4	(2.2)	69.6	(1.3)	83.1	(1.9)	93.1	(2.5)
	Slovak Republic	63.5	(2.2)	75.6	(1.0)	84.9	(1.6)	88.6	(2.3)	58.9	(2.0)	63.8	(1.2)	73.8	(1.9)	78.3	(2.8)
	Spain	43.1	(1.9)	49.6	(0.9)	70.2	(1.2)	85.8	(2.0)	38.3	(1.4)	45.7	(0.8)	68.4	(1.3)	84.2	(2.2)
	Sweden	37.4	(2.4)	51.7	(1.4)	70.2	(2.0)	87.3	(1.9)	33.1	(2.2)	46.4	(1.3)	67.1	(2.2)	87.4	(2.4)
	Switzerland	42.7	(1.6)	52.9	(1.1)	67.3	(1.6)	79.8	(1.7)	43.9	(1.8)	53.2	(1.3)	67.1	(1.5)	80.1	(1.9)
	Turkey	58.4	(1.4)	62.6	(1.5)	77.2	(2.9)	c	c	59.1	(1.7)	65.4	(1.5)	82.9	(2.3)	c	c
United Kingdom	48.0	(1.9)	56.9	(0.9)	72.6	(1.6)	87.3	(1.5)	49.4	(1.9)	57.4	(1.0)	70.9	(1.4)	84.6	(1.3)	
United States	60.0	(1.7)	66.7	(1.2)	88.0	(1.7)	95.5	(1.1)	49.1	(1.8)	54.2	(1.3)	74.6	(1.8)	87.6	(1.7)	
OECD average	44.2	(0.4)	53.1	(0.2)	69.2	(0.3)	82.2	(0.4)	42.3	(0.4)	49.2	(0.2)	64.8	(0.3)	78.8	(0.4)	
<i>Partners</i>	Argentina	65.8	(1.6)	67.5	(1.5)	71.4	(5.5)	c	c	60.4	(1.4)	61.7	(1.6)	68.9	(4.7)	c	c
	Azerbaijan	78.0	(1.5)	81.4	(1.4)	c	c	c	c	75.5	(1.3)	78.3	(1.5)	c	c	c	c
	Brazil	68.4	(1.0)	68.6	(1.3)	71.9	(4.1)	c	c	63.0	(1.2)	59.0	(1.3)	66.7	(3.9)	c	c
	Bulgaria	67.5	(1.5)	68.4	(1.4)	71.9	(2.3)	79.3	(5.4)	67.6	(1.7)	68.5	(1.5)	68.9	(2.3)	79.3	(6.3)
	Chile	59.3	(1.6)	65.6	(1.2)	80.3	(2.6)	c	c	59.3	(1.5)	65.1	(1.2)	79.8	(3.1)	c	c
	Colombia	84.3	(1.3)	85.4	(1.2)	c	c	c	c	83.6	(1.2)	86.8	(1.4)	c	c	c	c
	Croatia	51.9	(2.8)	56.1	(1.1)	65.2	(2.0)	72.9	(3.0)	49.3	(2.6)	56.0	(1.0)	67.1	(1.7)	78.4	(3.0)
	Estonia	51.7	(3.1)	58.0	(1.2)	69.5	(1.9)	80.5	(2.6)	47.0	(4.0)	57.7	(1.3)	71.1	(1.7)	84.8	(2.4)
	Hong Kong-China	38.4	(4.7)	46.8	(1.5)	60.0	(1.8)	73.0	(2.0)	37.2	(4.2)	43.4	(1.7)	56.2	(1.8)	70.8	(1.7)
	Indonesia	75.5	(1.0)	64.9	(2.1)	c	c	c	c	69.1	(1.3)	54.4	(1.9)	c	c	c	c
	Israel	58.2	(1.5)	71.2	(1.3)	84.2	(1.5)	91.7	(2.4)	54.8	(1.6)	65.9	(1.4)	78.1	(1.9)	86.7	(2.9)
	Jordan	77.8	(1.1)	85.7	(1.1)	93.7	(1.7)	c	c	75.0	(1.1)	81.8	(1.0)	92.5	(2.2)	c	c
	Kyrgyzstan	81.7	(0.7)	72.6	(2.1)	c	c	c	c	78.0	(0.9)	61.7	(2.1)	c	c	c	c
	Latvia	51.7	(3.0)	51.4	(1.5)	58.5	(2.4)	69.4	(4.0)	49.5	(3.4)	53.2	(1.3)	64.1	(2.4)	75.9	(4.1)
	Liechtenstein	43.8	(8.9)	55.6	(3.8)	63.0	(5.3)	70.8	(7.7)	38.8	(9.7)	51.4	(4.5)	60.9	(5.9)	66.5	(7.1)
	Lithuania	36.0	(2.0)	36.5	(1.3)	52.0	(2.0)	68.2	(3.9)	37.4	(1.9)	39.5	(1.1)	53.4	(2.3)	65.5	(3.7)
	Macao-China	48.0	(3.1)	50.3	(1.4)	61.0	(2.5)	71.7	(5.1)	45.0	(3.1)	45.0	(1.5)	55.7	(2.8)	69.7	(4.3)
	Montenegro	74.6	(1.1)	78.7	(1.1)	86.1	(4.8)	c	c	73.0	(1.1)	70.9	(1.2)	77.4	(4.5)	c	c
	Qatar	73.9	(0.6)	86.5	(1.1)	c	c	c	c	70.9	(0.6)	78.6	(1.4)	c	c	c	c
	Romania	66.9	(1.7)	67.3	(1.2)	76.3	(3.2)	c	c	66.5	(1.4)	65.8	(1.6)	73.4	(4.5)	c	c
	Russian Federation	62.5	(2.2)	64.9	(1.7)	71.5	(2.7)	84.3	(3.4)	53.3	(2.6)	55.9	(1.8)	65.3	(3.2)	79.6	(3.3)
	Serbia	66.8	(1.3)	75.7	(1.0)	87.5	(1.9)	c	c	62.0	(1.7)	62.1	(1.4)	75.0	(2.5)	c	c
	Slovenia	61.6	(2.6)	61.8	(1.1)	67.4	(1.7)	73.6	(2.9)	56.3	(2.4)	50.9	(1.1)	57.2	(1.7)	68.2	(2.3)
Chinese Taipei	45.8	(2.4)	40.3	(1.2)	52.8	(1.3)	65.5	(1.8)	43.3	(2.7)	37.7	(1.2)	51.1	(1.2)	63.3	(1.8)	
Thailand	84.8	(0.9)	83.3	(0.8)	88.1	(3.1)	c	c	85.8	(0.8)	83.5	(0.8)	85.9	(3.4)	c	c	
Tunisia	77.9	(1.2)	85.2	(1.2)	c	c	c	c	72.2	(1.2)	76.5	(1.4)	c	c	c	c	
Uruguay	67.0	(1.8)	71.7	(1.2)	83.6	(3.1)	c	c	60.7	(1.9)	65.8	(1.4)	81.0	(2.7)	c	c	



[Part 1/1]

Table A3.10a General value of science (mean index), by performance group

	Lowest performers		Moderate performers		Strong performers		Top performers		Difference in the mean index between strong performers and top performers	
	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Dif.	S.E.
	OECD									
Australia	-0.71	(0.04)	-0.19	(0.02)	0.22	(0.02)	0.50	(0.03)	-0.28	(0.03)
Austria	-0.55	(0.06)	-0.20	(0.02)	0.14	(0.04)	0.31	(0.04)	-0.17	(0.06)
Belgium	-0.52	(0.06)	-0.20	(0.02)	0.00	(0.02)	0.14	(0.04)	-0.14	(0.05)
Canada	-0.36	(0.05)	0.02	(0.02)	0.30	(0.03)	0.58	(0.04)	-0.28	(0.05)
Czech Republic	-0.51	(0.04)	-0.19	(0.03)	0.05	(0.03)	0.26	(0.06)	-0.21	(0.07)
Denmark	-0.53	(0.03)	-0.33	(0.02)	-0.03	(0.03)	0.20	(0.06)	-0.24	(0.07)
Finland	-0.64	(0.08)	-0.13	(0.02)	0.18	(0.02)	0.44	(0.03)	-0.26	(0.04)
France	-0.50	(0.04)	-0.21	(0.03)	0.05	(0.04)	0.26	(0.05)	-0.21	(0.06)
Germany	-0.70	(0.06)	-0.17	(0.03)	0.16	(0.04)	0.32	(0.05)	-0.16	(0.07)
Greece	-0.32	(0.04)	-0.03	(0.02)	0.27	(0.03)	0.42	(0.09)	-0.16	(0.10)
Hungary	-0.37	(0.05)	-0.08	(0.02)	0.15	(0.03)	0.41	(0.06)	-0.26	(0.07)
Iceland	-0.74	(0.05)	-0.22	(0.02)	0.20	(0.03)	0.52	(0.07)	-0.33	(0.08)
Ireland	-0.54	(0.05)	-0.04	(0.03)	0.33	(0.04)	0.56	(0.05)	-0.24	(0.06)
Italy	-0.32	(0.02)	0.02	(0.01)	0.28	(0.02)	0.47	(0.05)	-0.18	(0.06)
Japan	-0.87	(0.05)	-0.24	(0.03)	0.02	(0.03)	0.21	(0.04)	-0.19	(0.06)
Korea	-0.27	(0.06)	0.24	(0.02)	0.42	(0.03)	0.58	(0.06)	-0.16	(0.07)
Luxembourg	-0.48	(0.05)	-0.02	(0.02)	0.31	(0.04)	0.59	(0.06)	-0.28	(0.07)
Mexico	0.21	(0.02)	0.51	(0.02)	0.76	(0.09)	c	c	c	c
Netherlands	-0.73	(0.06)	-0.34	(0.02)	0.01	(0.03)	0.23	(0.04)	-0.22	(0.04)
New Zealand	-0.65	(0.05)	-0.28	(0.02)	0.06	(0.03)	0.35	(0.04)	-0.29	(0.06)
Norway	-0.67	(0.05)	-0.15	(0.03)	0.28	(0.04)	0.53	(0.07)	-0.25	(0.08)
Poland	-0.18	(0.04)	0.19	(0.02)	0.49	(0.03)	0.70	(0.05)	-0.21	(0.06)
Portugal	0.01	(0.04)	0.41	(0.02)	0.69	(0.04)	0.87	(0.08)	-0.18	(0.09)
Slovak Republic	-0.33	(0.04)	0.01	(0.02)	0.30	(0.03)	0.52	(0.07)	-0.22	(0.08)
Spain	-0.07	(0.04)	0.29	(0.02)	0.57	(0.03)	0.74	(0.06)	-0.16	(0.07)
Sweden	-0.73	(0.07)	-0.24	(0.03)	0.13	(0.03)	0.46	(0.05)	-0.33	(0.07)
Switzerland	-0.52	(0.04)	-0.15	(0.02)	0.08	(0.02)	0.30	(0.04)	-0.21	(0.05)
Turkey	0.12	(0.03)	0.70	(0.03)	1.09	(0.09)	c	c	c	c
United Kingdom	-0.69	(0.03)	-0.27	(0.02)	0.12	(0.03)	0.40	(0.04)	-0.28	(0.05)
United States	-0.30	(0.04)	0.14	(0.03)	0.49	(0.04)	0.70	(0.06)	-0.21	(0.07)
OECD average	-0.49	(0.01)	-0.08	(0.00)	0.22	(0.01)	0.45	(0.01)	-0.23	(0.01)
Partners										
Argentina	-0.03	(0.03)	0.12	(0.04)	0.29	(0.14)	c	c	c	c
Azerbaijan	0.45	(0.02)	0.73	(0.04)	c	c	c	c	c	c
Bulgaria	0.12	(0.02)	0.45	(0.03)	0.63	(0.06)	c	c	c	c
Brazil	0.05	(0.03)	0.36	(0.03)	0.55	(0.06)	0.59	(0.11)	-0.04	(0.13)
Chile	0.38	(0.03)	0.67	(0.02)	0.88	(0.05)	c	c	c	c
Colombia	0.39	(0.02)	0.57	(0.03)	c	c	c	c	c	c
Estonia	-0.15	(0.03)	0.13	(0.02)	0.40	(0.04)	0.48	(0.07)	-0.08	(0.08)
Hong Kong-China	-0.40	(0.06)	0.02	(0.02)	0.36	(0.03)	0.61	(0.04)	-0.25	(0.06)
Croatia	-0.07	(0.06)	0.49	(0.03)	0.68	(0.03)	0.80	(0.04)	-0.12	(0.05)
Indonesia	0.23	(0.02)	0.44	(0.03)	c	c	c	c	c	c
Israel	-0.09	(0.04)	0.33	(0.03)	0.56	(0.06)	0.67	(0.10)	-0.11	(0.14)
Jordan	0.31	(0.03)	0.79	(0.02)	1.04	(0.06)	c	c	c	c
Kyrgyzstan	0.38	(0.02)	0.60	(0.05)	c	c	c	c	c	c
Liechtenstein	-0.26	(0.05)	-0.01	(0.02)	0.26	(0.04)	0.48	(0.07)	-0.21	(0.08)
Lithuania	-0.77	(0.17)	-0.09	(0.08)	-0.02	(0.12)	0.05	(0.13)	-0.06	(0.19)
Latvia	-0.20	(0.04)	0.14	(0.03)	0.47	(0.05)	0.63	(0.08)	-0.15	(0.12)
Macao-China	0.17	(0.05)	0.53	(0.02)	0.69	(0.03)	0.71	(0.08)	-0.03	(0.09)
Montenegro	0.12	(0.03)	0.35	(0.03)	0.60	(0.12)	c	c	c	c
Qatar	0.28	(0.02)	0.89	(0.03)	c	c	c	c	c	c
Romania	-0.02	(0.03)	0.41	(0.02)	0.62	(0.08)	c	c	c	c
Russian Federation	-0.18	(0.03)	0.03	(0.02)	0.20	(0.03)	0.30	(0.06)	-0.10	(0.07)
Serbia	-0.06	(0.03)	0.12	(0.02)	0.34	(0.05)	c	c	c	c
Slovenia	-0.37	(0.05)	-0.07	(0.02)	0.22	(0.03)	0.44	(0.06)	-0.23	(0.08)
Chinese Taipei	0.20	(0.05)	0.69	(0.02)	0.86	(0.03)	0.93	(0.04)	-0.07	(0.05)
Thailand	0.56	(0.03)	0.93	(0.03)	1.20	(0.08)	c	c	c	c
Tunisia	0.53	(0.02)	1.00	(0.03)	c	c	c	c	c	c
Uruguay	-0.18	(0.03)	-0.08	(0.02)	0.18	(0.05)	c	c	c	c

Note: Values that are statistically significant are indicated in bold (see Annex B).

[Part 1/3]

Table A3.10b General value of science (underlying percentages), by performance group

	Percentage of students agreeing or strongly agreeing with the following statements																
	Advances in science and technology usually help improve the economy					Science is important for helping us to understand the natural world											
	Lowest performers		Moderate performers		Strong performers		Top performers		Lowest performers		Moderate performers		Strong performers		Top performers		
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	
OECD	Australia	74.6	(1.5)	89.5	(0.5)	96.1	(0.4)	97.2	(0.4)	82.1	(1.3)	93.4	(0.4)	97.0	(0.4)	98.0	(0.4)
	Austria	74.4	(2.3)	89.4	(0.7)	95.6	(0.6)	96.6	(0.8)	82.9	(1.7)	88.7	(0.8)	93.9	(0.9)	95.6	(1.2)
	Belgium	81.3	(1.9)	91.4	(0.5)	93.6	(0.7)	95.6	(0.8)	84.3	(1.5)	92.1	(0.5)	93.9	(0.6)	95.5	(0.7)
	Canada	81.2	(1.7)	91.4	(0.5)	94.0	(0.7)	95.9	(0.9)	87.8	(1.2)	94.6	(0.4)	95.9	(0.5)	97.6	(0.5)
	Czech Republic	81.9	(1.7)	87.5	(0.9)	91.7	(1.3)	93.0	(1.6)	87.1	(1.9)	94.6	(0.6)	97.4	(0.6)	97.3	(0.7)
	Denmark	82.1	(1.2)	92.4	(0.6)	95.1	(0.9)	95.7	(1.4)	88.2	(1.3)	93.3	(0.6)	97.7	(0.7)	98.3	(0.9)
	Finland	79.2	(2.9)	93.1	(0.6)	96.4	(0.6)	96.5	(0.7)	78.4	(3.2)	94.3	(0.5)	97.7	(0.4)	98.5	(0.4)
	France	87.4	(1.1)	93.8	(0.5)	95.6	(0.8)	95.5	(1.3)	89.1	(1.0)	94.3	(0.6)	96.7	(0.7)	98.3	(0.9)
	Germany	70.7	(2.0)	88.5	(0.8)	96.1	(0.8)	96.4	(0.8)	77.3	(2.0)	90.5	(0.8)	95.9	(0.8)	97.5	(0.7)
	Greece	88.1	(1.4)	95.9	(0.5)	97.7	(0.7)	96.0	(1.6)	88.0	(1.1)	93.7	(0.5)	96.6	(0.8)	97.5	(2.2)
	Hungary	80.7	(1.6)	89.6	(0.7)	92.7	(1.0)	95.1	(1.3)	84.7	(1.8)	94.5	(0.5)	97.0	(0.6)	98.7	(0.7)
	Iceland	75.1	(1.7)	91.9	(0.7)	97.1	(0.8)	98.8	(0.7)	80.8	(1.5)	94.5	(0.5)	98.3	(0.5)	99.6	(0.5)
	Ireland	80.7	(1.6)	93.1	(0.6)	96.8	(0.7)	97.1	(0.8)	88.1	(1.6)	94.2	(0.6)	97.2	(0.6)	97.5	(0.9)
	Italy	88.3	(0.8)	95.2	(0.3)	97.4	(0.4)	97.4	(0.9)	90.7	(1.0)	96.8	(0.3)	98.4	(0.3)	98.4	(0.7)
	Japan	65.4	(2.7)	87.5	(0.7)	91.9	(0.9)	92.8	(1.2)	66.6	(2.2)	80.6	(0.9)	85.0	(1.4)	89.1	(1.5)
	Korea	81.6	(2.0)	96.4	(0.5)	98.9	(0.3)	98.6	(0.6)	79.9	(1.9)	85.1	(0.8)	88.0	(1.2)	90.7	(1.4)
	Luxembourg	78.7	(1.6)	90.1	(0.7)	95.2	(0.9)	97.7	(1.2)	84.4	(1.2)	92.6	(0.5)	94.5	(1.0)	98.2	(1.1)
	Mexico	93.8	(0.6)	97.0	(0.3)	98.6	(0.7)	c	c	94.2	(0.7)	96.6	(0.3)	98.3	(0.7)	c	c
	Netherlands	75.4	(2.6)	88.1	(0.7)	94.2	(1.0)	95.7	(1.1)	76.3	(2.3)	85.8	(0.9)	89.4	(1.0)	90.4	(1.5)
	New Zealand	73.5	(2.2)	87.5	(0.8)	94.8	(1.1)	95.4	(1.0)	84.1	(1.7)	93.0	(0.6)	95.7	(0.8)	97.3	(0.6)
	Norway	72.5	(2.0)	90.2	(0.7)	96.2	(1.1)	95.2	(1.8)	78.6	(1.8)	92.4	(0.7)	97.2	(0.8)	99.2	(0.5)
	Poland	89.5	(1.2)	95.5	(0.6)	97.1	(0.7)	97.7	(0.8)	91.7	(1.1)	98.0	(0.3)	98.7	(0.4)	99.5	(0.3)
	Portugal	94.7	(0.7)	98.6	(0.2)	99.4	(0.3)	99.5	(0.8)	95.8	(0.8)	99.1	(0.2)	99.5	(0.3)	99.4	(0.6)
	Slovak Republic	88.3	(1.3)	92.5	(0.6)	93.5	(0.8)	95.4	(1.2)	91.0	(1.2)	95.7	(0.5)	97.9	(0.5)	97.9	(1.3)
	Spain	91.1	(0.9)	97.7	(0.3)	98.8	(0.3)	98.7	(0.7)	91.0	(1.0)	95.6	(0.4)	97.4	(0.6)	98.6	(0.8)
	Sweden	72.7	(2.6)	89.9	(0.8)	96.1	(0.8)	97.0	(1.1)	79.7	(2.5)	93.2	(0.7)	96.8	(0.9)	98.3	(0.6)
	Switzerland	75.8	(1.5)	90.1	(0.7)	94.6	(0.8)	96.0	(0.8)	83.7	(1.1)	93.3	(0.4)	96.8	(0.4)	97.6	(0.6)
	Turkey	90.9	(0.9)	97.5	(0.5)	99.3	(0.7)	c	c	90.4	(0.8)	96.3	(0.5)	98.1	(0.9)	c	c
United Kingdom	77.5	(1.3)	89.5	(0.6)	96.1	(0.7)	97.2	(0.7)	86.1	(1.4)	94.2	(0.4)	97.5	(0.5)	98.5	(0.6)	
United States	81.2	(1.2)	93.7	(0.6)	97.6	(0.7)	97.7	(0.9)	88.5	(1.0)	95.5	(0.4)	97.5	(0.7)	98.3	(0.6)	
OECD average	80.1	(0.3)	91.8	(0.1)	95.7	(0.1)	96.5	(0.2)	84.5	(0.3)	93.0	(0.1)	95.9	(0.1)	97.2	(0.2)	
Partners	Argentina	90.7	(0.7)	94.9	(0.7)	95.5	(2.5)	c	c	92.7	(0.8)	94.9	(1.0)	95.3	(3.0)	c	c
	Azerbaijan	92.6	(0.7)	96.9	(0.8)	c	c	c	c	92.5	(0.6)	97.1	(0.5)	c	c	c	c
	Brazil	92.2	(0.5)	96.6	(0.5)	97.3	(1.4)	c	c	94.3	(0.5)	97.7	(0.4)	99.5	(0.4)	c	c
	Bulgaria	90.2	(0.9)	95.0	(0.7)	96.6	(1.0)	98.1	(1.4)	92.4	(1.0)	96.8	(0.5)	97.8	(0.9)	95.8	(2.0)
	Chile	92.0	(0.6)	96.4	(0.5)	96.8	(1.0)	c	c	96.3	(0.5)	97.6	(0.4)	97.7	(0.7)	c	c
	Colombia	94.3	(0.9)	96.7	(0.6)	c	c	c	c	98.9	(0.3)	99.2	(0.3)	c	c	c	c
	Croatia	92.9	(0.8)	96.1	(0.3)	96.7	(0.7)	97.0	(1.2)	93.1	(0.8)	97.2	(0.3)	98.3	(0.6)	98.9	(0.7)
	Estonia	83.7	(2.7)	93.6	(0.6)	97.0	(0.6)	98.0	(0.7)	85.0	(2.5)	93.7	(0.6)	97.6	(0.5)	99.1	(0.4)
	Hong Kong-China	93.7	(1.2)	98.7	(0.3)	98.6	(0.4)	98.3	(0.6)	86.7	(1.7)	95.8	(0.5)	95.9	(0.6)	97.8	(0.6)
	Indonesia	97.1	(0.3)	99.2	(0.3)	c	c	c	c	97.7	(0.3)	99.3	(0.2)	c	c	c	c
	Israel	88.0	(1.0)	94.6	(0.7)	95.9	(1.1)	97.0	(1.4)	88.0	(0.9)	94.0	(0.6)	96.4	(0.8)	97.7	(1.2)
	Jordan	90.1	(0.7)	94.0	(0.5)	93.5	(1.8)	c	c	91.1	(0.8)	98.1	(0.3)	98.7	(0.8)	c	c
	Kyrgyzstan	93.1	(0.5)	95.5	(0.7)	c	c	c	c	89.3	(0.6)	96.1	(0.7)	c	c	c	c
	Latvia	87.6	(1.7)	94.7	(0.4)	97.2	(0.7)	97.9	(1.7)	92.4	(1.3)	96.7	(0.5)	98.0	(0.7)	98.9	(0.9)
	Liechtenstein	67.4	(7.6)	92.6	(2.6)	97.7	(2.5)	96.6	(3.2)	78.1	(6.6)	91.7	(2.3)	96.8	(2.4)	94.3	(4.3)
	Lithuania	87.4	(1.2)	96.2	(0.3)	98.3	(0.5)	98.6	(0.8)	92.9	(0.9)	98.6	(0.2)	99.8	(0.2)	99.9	(0.3)
	Macao-China	95.9	(1.2)	98.5	(0.3)	98.5	(0.6)	98.1	(1.4)	94.9	(1.0)	98.8	(0.2)	99.2	(0.5)	99.6	(0.4)
	Montenegro	92.7	(0.6)	94.5	(0.7)	94.5	(2.6)	c	c	93.5	(0.6)	95.0	(0.7)	98.6	(1.5)	c	c
	Qatar	90.1	(0.5)	97.4	(0.5)	c	c	c	c	89.5	(0.4)	98.7	(0.4)	c	c	c	c
	Romania	91.4	(1.0)	96.9	(0.5)	95.6	(1.9)	c	c	94.5	(0.9)	98.4	(0.4)	98.9	(0.8)	c	c
	Russian Federation	84.6	(1.5)	91.3	(0.7)	94.8	(1.0)	94.1	(1.6)	92.7	(0.9)	96.3	(0.4)	96.9	(0.9)	97.1	(1.8)
	Serbia	91.7	(0.8)	94.3	(0.6)	95.0	(1.4)	c	c	92.3	(0.7)	91.1	(0.6)	93.0	(1.6)	c	c
	Slovenia	85.4	(1.7)	91.7	(0.7)	94.7	(0.8)	95.5	(1.1)	88.0	(1.3)	94.7	(0.5)	98.0	(0.7)	98.7	(0.8)
Chinese Taipei	93.3	(1.0)	98.6	(0.2)	99.1	(0.2)	99.0	(0.3)	91.7	(1.1)	96.1	(0.4)	97.6	(0.5)	97.9	(0.5)	
Thailand	97.4	(0.4)	98.6	(0.3)	97.8	(1.2)	c	c	96.8	(0.5)	97.7	(0.4)	97.8	(1.1)	c	c	
Tunisia	94.8	(0.5)	98.0	(0.4)	c	c	c	c	94.2	(0.5)	98.4	(0.3)	c	c	c	c	
Uruguay	91.3	(0.9)	95.0	(0.6)	95.6	(1.6)	c	c	96.0	(0.6)	97.8	(0.3)	98.5	(0.6)	c	c	



[Part 2/3]

Table A3.10b General value of science (underlying percentages), by performance group

	Percentage of students agreeing or strongly agreeing with the following statements																
	Advances in science and technology usually help improve the economy								Science is valuable to society								
	Lowest performers		Moderate performers		Strong performers		Top performers		Lowest performers		Moderate performers		Strong performers		Top performers		
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	
OECD	Australia	69.0	(1.4)	84.2	(0.5)	89.8	(0.7)	92.3	(0.8)	70.7	(1.4)	87.7	(0.5)	96.3	(0.4)	98.3	(0.4)
	Austria	58.0	(2.4)	76.3	(0.9)	88.9	(1.3)	92.1	(1.3)	61.7	(2.8)	64.0	(1.1)	69.9	(1.7)	74.3	(2.5)
	Belgium	64.9	(1.8)	76.3	(0.8)	84.4	(1.3)	87.7	(1.3)	73.2	(2.3)	85.7	(0.6)	93.0	(0.6)	96.1	(0.7)
	Canada	75.9	(2.2)	84.3	(0.7)	87.6	(0.8)	91.9	(1.0)	79.6	(1.4)	90.9	(0.6)	96.1	(0.5)	98.1	(0.5)
	Czech Republic	65.2	(2.4)	77.6	(1.0)	84.6	(1.6)	87.9	(2.0)	78.0	(1.9)	86.5	(1.0)	90.4	(1.2)	93.6	(1.1)
	Denmark	68.4	(1.7)	71.2	(1.0)	78.3	(1.6)	84.6	(2.5)	88.5	(1.5)	92.5	(0.7)	96.5	(0.7)	97.7	(1.0)
	Finland	65.3	(4.4)	80.1	(0.9)	86.8	(0.9)	91.5	(1.1)	76.6	(4.0)	90.8	(0.7)	95.2	(0.6)	97.2	(0.6)
	France	60.6	(1.7)	63.2	(1.1)	70.0	(1.6)	79.2	(2.5)	73.1	(1.9)	85.3	(0.9)	93.2	(0.8)	96.7	(1.2)
	Germany	54.3	(2.2)	70.6	(1.1)	80.5	(1.4)	84.0	(1.7)	61.0	(2.7)	75.5	(1.0)	81.4	(1.5)	85.2	(2.0)
	Greece	61.1	(2.0)	65.3	(0.9)	75.4	(2.2)	78.1	(3.5)	79.6	(1.3)	87.5	(0.8)	93.4	(1.2)	95.7	(2.0)
	Hungary	76.4	(2.0)	84.7	(0.8)	90.9	(1.2)	94.6	(1.4)	78.5	(2.1)	86.7	(0.7)	90.4	(1.2)	93.3	(1.8)
	Iceland	63.8	(1.9)	75.7	(1.0)	85.2	(1.5)	88.3	(2.4)	71.9	(1.8)	86.6	(0.8)	94.5	(0.9)	95.5	(1.6)
	Ireland	72.1	(2.0)	84.8	(0.9)	89.5	(1.2)	91.2	(1.7)	71.1	(2.1)	84.6	(0.8)	93.4	(1.0)	97.3	(1.1)
	Italy	67.7	(1.2)	77.9	(0.7)	85.2	(0.9)	90.6	(1.4)	78.7	(0.9)	88.6	(0.5)	93.4	(0.6)	95.8	(1.0)
	Japan	60.6	(2.0)	82.1	(0.9)	85.5	(1.1)	87.5	(1.3)	59.3	(2.0)	78.9	(0.9)	87.2	(1.0)	91.9	(1.3)
	Korea	85.0	(1.8)	96.2	(0.4)	97.4	(0.6)	98.0	(0.7)	80.2	(1.8)	90.3	(0.7)	92.5	(0.9)	93.7	(1.3)
	Luxembourg	62.9	(1.9)	75.0	(1.0)	85.6	(1.5)	91.8	(1.9)	69.3	(1.6)	80.4	(0.9)	84.8	(1.7)	90.1	(2.6)
	Mexico	76.7	(0.8)	80.7	(0.9)	87.5	(3.0)	c	c	90.2	(0.7)	93.5	(0.4)	97.5	(0.7)	c	c
	Netherlands	66.1	(2.4)	76.6	(0.9)	87.7	(1.1)	89.9	(1.3)	71.5	(2.3)	84.5	(1.0)	94.2	(0.7)	96.8	(0.8)
	New Zealand	73.0	(2.1)	83.9	(0.9)	90.4	(1.1)	92.0	(1.1)	71.9	(2.4)	83.6	(0.8)	92.5	(0.9)	96.5	(0.7)
	Norway	58.0	(2.2)	69.4	(1.2)	79.6	(2.2)	85.5	(2.3)	74.5	(1.8)	90.0	(0.8)	97.0	(0.9)	99.0	(0.8)
	Poland	83.3	(1.4)	87.2	(0.7)	87.4	(1.5)	90.1	(2.4)	84.5	(1.4)	91.7	(0.6)	95.0	(0.9)	96.8	(1.0)
	Portugal	80.5	(1.4)	86.2	(0.8)	89.1	(1.9)	91.0	(2.3)	90.9	(0.8)	97.6	(0.4)	99.2	(0.4)	100.0	(0.0)
	Slovak Republic	75.0	(1.7)	88.3	(0.7)	93.1	(1.0)	92.8	(1.6)	79.3	(1.6)	90.4	(0.8)	95.2	(1.1)	97.7	(1.1)
	Spain	73.8	(1.6)	78.8	(0.8)	87.4	(1.1)	88.5	(1.7)	79.2	(1.4)	87.9	(0.6)	93.4	(0.8)	96.7	(0.9)
	Sweden	62.1	(2.8)	72.7	(1.0)	80.5	(1.7)	85.2	(2.5)	74.4	(2.5)	88.2	(0.9)	95.3	(1.1)	98.4	(1.0)
	Switzerland	62.5	(1.7)	75.0	(0.7)	85.4	(1.3)	91.0	(1.6)	71.6	(1.5)	79.2	(0.8)	83.5	(1.3)	86.9	(1.7)
	Turkey	79.5	(1.2)	87.4	(0.8)	92.9	(2.1)	c	c	89.0	(1.1)	96.8	(0.6)	99.1	(0.8)	c	c
United Kingdom	67.3	(1.5)	82.8	(0.8)	87.3	(1.0)	90.1	(1.2)	66.7	(1.6)	82.2	(0.8)	92.4	(1.0)	96.2	(0.7)	
United States	78.4	(1.3)	88.6	(0.9)	90.6	(1.2)	91.6	(1.6)	78.7	(1.3)	91.2	(0.7)	97.4	(0.6)	99.5	(0.4)	
OECD average	68.3	(0.4)	79.1	(0.2)	85.9	(0.3)	89.3	(0.3)	74.8	(0.4)	86.0	(0.1)	92.0	(0.2)	94.8	(0.2)	
Partners	Argentina	68.7	(1.2)	68.9	(1.3)	73.6	(6.3)	c	c	84.8	(1.1)	90.9	(0.8)	95.7	(1.6)	c	c
	Azerbaijan	89.1	(0.7)	95.7	(0.8)	c	c	c	c	94.0	(0.6)	96.2	(0.7)	c	c	c	c
	Brazil	73.4	(0.8)	80.6	(1.1)	88.0	(2.5)	c	c	90.6	(0.6)	95.4	(0.6)	97.6	(1.5)	c	c
	Bulgaria	82.0	(1.2)	87.7	(1.1)	88.5	(1.6)	91.4	(2.2)	89.7	(1.0)	95.8	(0.6)	97.3	(1.0)	97.9	(1.4)
	Chile	80.2	(1.0)	85.2	(0.8)	89.6	(1.8)	c	c	88.9	(0.8)	92.2	(0.6)	94.1	(1.3)	c	c
	Colombia	75.4	(1.2)	78.6	(1.2)	c	c	c	c	94.1	(0.5)	95.6	(0.6)	c	c	c	c
	Croatia	77.6	(1.8)	87.7	(0.6)	91.1	(1.1)	91.6	(2.2)	76.7	(1.7)	82.9	(0.9)	91.4	(1.5)	92.9	(1.9)
	Estonia	66.3	(4.2)	84.1	(0.9)	91.8	(1.0)	94.3	(1.3)	82.8	(2.7)	91.6	(0.6)	95.7	(0.7)	96.4	(0.8)
	Hong Kong-China	85.4	(1.9)	92.7	(0.7)	93.5	(1.1)	94.1	(1.2)	84.8	(2.3)	96.6	(0.5)	98.7	(0.4)	99.8	(0.3)
	Indonesia	82.7	(0.8)	86.0	(1.0)	c	c	c	c	93.4	(0.4)	95.2	(0.6)	c	c	c	c
	Israel	72.5	(1.5)	83.2	(1.0)	85.8	(1.7)	89.1	(2.5)	75.3	(1.6)	84.8	(1.2)	90.2	(2.1)	92.7	(2.6)
	Jordan	87.7	(0.8)	95.7	(0.5)	96.5	(1.4)	c	c	87.2	(0.9)	95.0	(0.7)	98.1	(1.3)	c	c
	Kyrgyzstan	89.0	(0.6)	92.9	(1.3)	c	c	c	c	91.9	(0.5)	92.0	(1.3)	c	c	c	c
	Latvia	70.7	(2.4)	80.7	(0.9)	88.0	(1.5)	93.0	(3.0)	82.6	(1.5)	89.8	(0.8)	93.7	(1.8)	94.6	(2.9)
	Liechtenstein	60.2	(7.6)	78.2	(3.7)	81.4	(4.7)	90.9	(4.8)	71.5	(7.9)	77.6	(3.2)	79.6	(5.2)	79.6	(8.7)
	Lithuania	75.2	(2.0)	84.2	(0.9)	90.3	(1.2)	89.2	(2.4)	86.0	(1.6)	92.3	(0.7)	95.5	(1.1)	96.8	(2.3)
	Macao-China	83.4	(2.0)	89.8	(0.6)	90.5	(1.3)	91.4	(2.6)	86.7	(1.6)	94.9	(0.5)	97.4	(0.7)	99.6	(0.6)
	Montenegro	81.1	(1.0)	86.9	(1.0)	91.3	(3.8)	c	c	81.7	(1.0)	85.7	(1.1)	91.1	(3.5)	c	c
	Qatar	79.3	(0.5)	93.0	(1.0)	c	c	c	c	84.0	(0.5)	94.8	(0.8)	c	c	c	c
	Romania	73.9	(1.4)	87.0	(1.0)	92.8	(2.5)	c	c	87.5	(1.3)	93.9	(0.6)	97.2	(1.7)	c	c
	Russian Federation	78.9	(1.7)	83.9	(0.9)	86.5	(1.6)	89.2	(2.6)	83.4	(1.3)	86.4	(0.8)	89.8	(1.2)	92.6	(2.3)
	Serbia	76.2	(1.2)	81.4	(0.9)	86.1	(2.2)	c	c	77.9	(1.2)	84.2	(0.8)	88.7	(1.8)	c	c
	Slovenia	73.2	(1.8)	85.5	(0.8)	91.9	(1.0)	93.8	(1.2)	75.6	(1.9)	82.7	(0.9)	90.8	(1.2)	92.0	(1.6)
	Chinese Taipei	87.5	(1.5)	94.0	(0.5)	95.3	(0.5)	95.6	(0.7)	88.0	(1.2)	95.9	(0.4)	97.2	(0.4)	97.8	(0.6)
	Thailand	94.2	(0.6)	97.7	(0.4)	97.8	(1.4)	c	c	95.3	(0.5)	97.8	(0.3)	98.4	(0.9)	c	c
	Tunisia	80.7	(0.8)	90.6	(0.8)	c	c	c	c	91.6	(0.7)	96.4	(0.6)	c	c	c	c
	Uruguay	63.5	(1.6)	61.0	(1.5)	66.5	(3.3)	c	c	83.3	(1.2)	85.3	(1.0)	89.4	(2.0)	c	c

[Part 3/3]

Table A3.10b General value of science (underlying percentages), by performance group

		Percentage of students agreeing or strongly agreeing with the following statements							
		Advances in science and technology usually bring social benefits							
		Lowest performers		Moderate performers		Strong performers		Top performers	
		%	S.E.	%	S.E.	%	S.E.	%	S.E.
OECD	Australia	52.5	(1.5)	65.0	(0.6)	75.2	(0.9)	81.9	(1.4)
	Austria	57.9	(2.3)	67.5	(1.0)	72.3	(1.7)	72.7	(2.2)
	Belgium	62.6	(2.2)	67.2	(0.9)	66.4	(1.3)	63.8	(1.8)
	Canada	65.2	(1.8)	73.1	(0.9)	79.5	(1.1)	84.5	(1.3)
	Czech Republic	68.6	(2.2)	82.2	(1.0)	89.7	(1.1)	93.6	(1.4)
	Denmark	57.7	(1.9)	56.1	(1.2)	54.4	(2.2)	58.1	(3.7)
	Finland	65.2	(4.3)	86.2	(1.0)	93.5	(1.1)	94.0	(1.0)
	France	54.2	(2.0)	59.4	(1.3)	66.1	(1.9)	69.9	(3.1)
	Germany	55.1	(2.8)	67.1	(1.0)	71.6	(1.5)	69.9	(2.2)
	Greece	70.0	(1.5)	83.4	(0.8)	89.7	(1.5)	91.4	(2.6)
	Hungary	66.5	(1.9)	73.5	(1.0)	75.6	(1.6)	77.1	(3.0)
	Iceland	48.9	(2.0)	51.8	(1.2)	56.5	(2.0)	62.2	(3.9)
	Ireland	54.1	(2.6)	64.2	(1.2)	75.8	(1.5)	78.2	(2.0)
	Italy	69.1	(1.1)	79.3	(0.7)	83.1	(1.1)	84.8	(1.9)
	Japan	52.6	(2.0)	74.4	(1.1)	82.7	(1.1)	85.9	(1.3)
	Korea	79.6	(1.7)	93.7	(0.5)	94.8	(0.7)	94.8	(1.2)
	Luxembourg	59.3	(2.0)	71.7	(0.8)	80.8	(1.5)	82.1	(2.7)
	Mexico	84.1	(0.6)	88.7	(0.6)	92.3	(1.2)	c	c
	Netherlands	61.2	(3.1)	81.7	(1.1)	92.4	(0.8)	95.7	(0.8)
	New Zealand	56.1	(2.4)	62.0	(1.2)	71.9	(1.5)	77.9	(1.4)
	Norway	64.6	(1.9)	77.2	(1.0)	82.6	(1.8)	85.4	(2.8)
	Poland	82.9	(1.5)	89.5	(0.7)	91.4	(1.0)	93.5	(2.0)
	Portugal	82.1	(1.2)	89.4	(0.7)	90.3	(1.3)	86.6	(3.5)
	Slovak Republic	72.2	(1.8)	87.8	(1.0)	93.0	(1.1)	94.7	(1.8)
	Spain	75.8	(1.3)	88.1	(0.6)	92.0	(0.7)	91.5	(1.7)
	Sweden	54.0	(2.2)	67.0	(1.2)	71.0	(1.9)	77.4	(2.7)
	Switzerland	57.4	(1.9)	66.9	(1.0)	66.8	(1.5)	67.5	(2.0)
Turkey	83.9	(1.1)	93.4	(0.8)	97.4	(1.3)	c	c	
United Kingdom	50.8	(1.5)	61.1	(1.0)	72.0	(1.3)	80.8	(1.7)	
United States	69.1	(1.4)	75.3	(0.9)	79.7	(1.4)	85.9	(2.0)	
OECD average	63.0	(0.4)	73.7	(0.2)	79.0	(0.3)	81.5	(0.4)	
Partners	Argentina	75.4	(1.1)	81.6	(1.7)	80.1	(5.0)	c	c
	Azerbaijan	89.2	(0.7)	94.3	(0.9)	c	c	c	c
	Brazil	81.3	(0.8)	89.2	(0.9)	88.6	(2.6)	c	c
	Bulgaria	77.0	(1.2)	79.9	(1.1)	82.0	(1.9)	81.3	(3.6)
	Chile	88.7	(0.8)	93.6	(0.6)	96.3	(1.0)	c	c
	Colombia	86.3	(1.2)	90.4	(1.0)	c	c	c	c
	Croatia	76.4	(1.6)	84.4	(0.8)	89.8	(1.5)	89.0	(2.1)
	Estonia	65.6	(3.8)	70.8	(1.4)	79.6	(1.5)	85.0	(2.0)
	Hong Kong-China	85.8	(1.9)	93.9	(0.7)	94.4	(0.8)	94.4	(0.9)
	Indonesia	84.0	(0.7)	85.9	(1.1)	c	c	c	c
	Israel	66.0	(1.5)	73.4	(1.5)	78.2	(2.4)	79.6	(3.7)
	Jordan	83.5	(1.0)	89.8	(0.7)	91.5	(2.5)	c	c
	Kyrgyzstan	87.3	(0.5)	92.0	(1.2)	c	c	c	c
	Latvia	72.8	(2.6)	78.9	(1.2)	85.5	(1.5)	89.0	(2.6)
	Liechtenstein	56.2	(9.5)	66.8	(3.6)	56.0	(6.3)	51.2	(7.1)
	Lithuania	69.8	(1.7)	75.5	(1.1)	80.5	(1.7)	81.8	(3.3)
	Macao-China	87.7	(1.5)	93.5	(0.5)	94.3	(0.9)	94.5	(1.6)
	Montenegro	84.6	(0.8)	89.9	(0.8)	95.1	(2.4)	c	c
	Qatar	77.3	(0.7)	87.1	(1.2)	c	c	c	c
	Romania	76.1	(1.2)	85.4	(0.9)	92.1	(2.7)	c	c
	Russian Federation	75.1	(1.4)	80.6	(0.7)	82.6	(1.5)	84.3	(3.4)
	Serbia	80.0	(1.0)	84.9	(0.9)	88.2	(2.0)	c	c
	Slovenia	75.3	(2.3)	85.6	(0.8)	92.1	(0.9)	92.3	(1.5)
Chinese Taipei	88.6	(1.4)	93.1	(0.5)	93.5	(0.7)	93.2	(0.9)	
Thailand	95.5	(0.5)	98.1	(0.3)	98.7	(1.2)	c	c	
Tunisia	87.3	(0.7)	91.6	(0.9)	c	c	c	c	
Uruguay	71.1	(1.6)	79.4	(1.1)	84.2	(2.0)	c	c	



[Part 1/1]

Table A3.11a Personal value of science (mean index), by performance group

	Lowest performers		Moderate performers		Strong performers		Top performers		Difference in the mean index between strong performers and top performers	
	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Dif.	S.E.
	OECD									
Australia	-0.53	(0.03)	-0.17	(0.02)	0.26	(0.02)	0.68	(0.03)	-0.42	(0.04)
Austria	-0.41	(0.06)	-0.48	(0.02)	-0.23	(0.05)	-0.02	(0.07)	-0.21	(0.10)
Belgium	-0.38	(0.05)	-0.26	(0.02)	0.02	(0.02)	0.29	(0.03)	-0.27	(0.04)
Canada	-0.20	(0.05)	0.01	(0.02)	0.36	(0.03)	0.75	(0.03)	-0.39	(0.04)
Czech Republic	-0.17	(0.06)	-0.20	(0.03)	-0.14	(0.03)	0.07	(0.05)	-0.21	(0.06)
Denmark	-0.40	(0.04)	-0.30	(0.02)	0.12	(0.04)	0.51	(0.09)	-0.38	(0.11)
Finland	-0.57	(0.10)	-0.29	(0.02)	-0.02	(0.02)	0.29	(0.03)	-0.31	(0.04)
France	-0.39	(0.06)	-0.28	(0.03)	0.15	(0.03)	0.52	(0.06)	-0.37	(0.07)
Germany	-0.52	(0.06)	-0.33	(0.03)	-0.11	(0.03)	0.21	(0.06)	-0.32	(0.07)
Greece	-0.26	(0.04)	-0.11	(0.02)	0.26	(0.04)	0.47	(0.08)	-0.21	(0.08)
Hungary	-0.01	(0.06)	-0.03	(0.02)	0.04	(0.04)	0.28	(0.07)	-0.24	(0.08)
Iceland	-0.63	(0.04)	-0.25	(0.03)	0.33	(0.05)	0.82	(0.09)	-0.48	(0.11)
Ireland	-0.51	(0.05)	-0.12	(0.03)	0.34	(0.04)	0.71	(0.05)	-0.37	(0.06)
Italy	0.07	(0.02)	0.13	(0.02)	0.29	(0.03)	0.45	(0.04)	-0.16	(0.05)
Japan	-0.60	(0.05)	-0.32	(0.02)	-0.12	(0.03)	0.15	(0.05)	-0.27	(0.06)
Korea	-0.46	(0.04)	-0.15	(0.02)	0.12	(0.03)	0.39	(0.08)	-0.26	(0.07)
Luxembourg	-0.24	(0.04)	-0.17	(0.02)	0.11	(0.04)	0.44	(0.07)	-0.33	(0.07)
Mexico	0.68	(0.02)	0.69	(0.01)	0.84	(0.06)	c	c	c	c
Netherlands	-0.36	(0.04)	-0.33	(0.02)	-0.15	(0.03)	0.22	(0.04)	-0.38	(0.05)
New Zealand	-0.33	(0.05)	-0.17	(0.03)	0.21	(0.04)	0.62	(0.04)	-0.42	(0.06)
Norway	-0.44	(0.05)	-0.17	(0.03)	0.21	(0.05)	0.57	(0.06)	-0.36	(0.09)
Poland	0.27	(0.03)	0.30	(0.02)	0.35	(0.03)	0.50	(0.06)	-0.15	(0.07)
Portugal	0.30	(0.03)	0.45	(0.02)	0.72	(0.04)	1.02	(0.09)	-0.30	(0.09)
Slovak Republic	0.00	(0.05)	-0.10	(0.03)	0.02	(0.04)	0.14	(0.07)	-0.12	(0.08)
Spain	-0.19	(0.03)	-0.01	(0.02)	0.34	(0.03)	0.64	(0.06)	-0.29	(0.07)
Sweden	-0.49	(0.06)	-0.19	(0.02)	0.17	(0.03)	0.55	(0.05)	-0.38	(0.06)
Switzerland	-0.40	(0.04)	-0.34	(0.02)	-0.06	(0.03)	0.28	(0.04)	-0.34	(0.06)
Turkey	0.10	(0.03)	0.39	(0.03)	0.96	(0.08)	c	c	c	c
United Kingdom	-0.32	(0.03)	-0.10	(0.02)	0.23	(0.03)	0.62	(0.04)	-0.39	(0.05)
United States	0.03	(0.04)	0.21	(0.02)	0.55	(0.04)	0.88	(0.06)	-0.33	(0.07)
OECD average	-0.29	(0.01)	-0.14	(0.00)	0.16	(0.01)	0.47	(0.01)	-0.31	(0.01)
Partners										
Argentina	0.39	(0.03)	0.29	(0.04)	0.37	(0.08)	c	c	c	c
Azerbaijan	0.74	(0.02)	0.80	(0.04)	c	c	c	c	c	c
Bulgaria	0.37	(0.03)	0.38	(0.03)	0.42	(0.05)	0.49	(0.09)	-0.07	(0.11)
Brazil	0.50	(0.02)	0.45	(0.03)	0.52	(0.08)	c	c	c	c
Chile	0.48	(0.03)	0.50	(0.03)	0.76	(0.06)	c	c	c	c
Colombia	0.91	(0.02)	0.83	(0.03)	c	c	c	c	c	c
Estonia	-0.02	(0.05)	0.04	(0.02)	0.23	(0.03)	0.51	(0.04)	-0.28	(0.06)
Hong Kong-China	0.13	(0.05)	0.44	(0.02)	0.60	(0.03)	0.79	(0.04)	-0.19	(0.05)
Croatia	0.20	(0.04)	0.15	(0.02)	0.24	(0.04)	0.42	(0.07)	-0.18	(0.08)
Indonesia	0.53	(0.02)	0.48	(0.04)	c	c	c	c	c	c
Israel	0.04	(0.04)	0.24	(0.03)	0.51	(0.05)	0.58	(0.10)	-0.08	(0.12)
Jordan	0.62	(0.03)	0.80	(0.02)	1.06	(0.06)	c	c	c	c
Kyrgyzstan	0.77	(0.02)	0.49	(0.04)	c	c	c	c	c	c
Liechtenstein	-0.31	(0.16)	-0.35	(0.08)	-0.24	(0.13)	0.15	(0.20)	-0.38	(0.25)
Lithuania	0.11	(0.03)	0.23	(0.02)	0.41	(0.04)	0.58	(0.07)	-0.17	(0.10)
Latvia	0.08	(0.04)	0.09	(0.02)	0.24	(0.04)	0.39	(0.08)	-0.14	(0.09)
Macao-China	0.25	(0.04)	0.31	(0.02)	0.40	(0.03)	0.53	(0.09)	-0.13	(0.10)
Montenegro	0.55	(0.02)	0.41	(0.02)	0.49	(0.11)	c	c	c	c
Qatar	0.42	(0.02)	0.77	(0.04)	c	c	c	c	c	c
Romania	0.46	(0.03)	0.48	(0.02)	0.64	(0.07)	c	c	c	c
Russian Federation	0.16	(0.03)	0.15	(0.02)	0.17	(0.03)	0.26	(0.06)	-0.09	(0.07)
Serbia	0.38	(0.03)	0.22	(0.02)	0.22	(0.06)	c	c	c	c
Slovenia	0.00	(0.06)	0.06	(0.02)	0.22	(0.04)	0.42	(0.06)	-0.21	(0.08)
Chinese Taipei	0.39	(0.04)	0.55	(0.02)	0.66	(0.02)	0.80	(0.03)	-0.14	(0.04)
Thailand	0.70	(0.02)	0.85	(0.02)	1.08	(0.07)	c	c	c	c
Tunisia	0.60	(0.02)	0.89	(0.03)	c	c	c	c	c	c
Uruguay	0.28	(0.04)	0.16	(0.03)	0.23	(0.06)	c	c	c	c

Note: Values that are statistically significant are indicated in bold (see Annex B).

[Part 1/3]

Table A3.11b Personal value of science (underlying percentages), by performance group

	Percentage of students agreeing or strongly agreeing with the following statements																
	Some concepts in science help me see how I relate to other people					I will use science in many ways when I am an adult											
	Lowest performers		Moderate performers		Strong performers		Top performers		Lowest performers		Moderate performers		Strong performers		Top performers		
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	
OECD	Australia	54.2	(1.7)	60.5	(0.9)	65.7	(1.5)	69.9	(1.4)	45.3	(1.5)	57.5	(0.8)	71.6	(1.1)	83.2	(1.3)
	Austria	61.0	(2.4)	52.3	(1.1)	48.0	(1.7)	44.3	(2.8)	47.2	(2.5)	44.1	(1.2)	50.3	(2.4)	57.6	(3.1)
	Belgium	56.3	(1.8)	49.0	(0.9)	46.0	(1.2)	47.6	(2.0)	52.4	(2.0)	56.7	(0.9)	69.0	(1.1)	80.6	(1.7)
	Canada	59.5	(2.1)	59.7	(0.8)	62.1	(1.2)	63.7	(1.5)	58.6	(1.6)	63.4	(0.9)	74.3	(1.1)	84.5	(1.1)
	Czech Republic	64.0	(2.0)	58.2	(1.2)	52.4	(2.0)	50.6	(3.4)	54.3	(2.8)	59.5	(1.6)	64.5	(2.2)	71.6	(2.5)
	Denmark	61.5	(1.9)	59.0	(1.1)	66.5	(2.1)	72.7	(3.4)	44.5	(2.0)	44.5	(1.2)	59.4	(2.4)	72.8	(3.6)
	Finland	56.7	(4.8)	63.9	(1.1)	67.5	(1.8)	69.8	(1.8)	41.0	(4.2)	47.6	(1.2)	61.3	(1.6)	72.2	(2.0)
	France	52.1	(2.1)	43.6	(1.4)	40.6	(1.9)	44.7	(3.0)	47.3	(2.1)	54.6	(1.4)	73.4	(1.5)	84.0	(2.1)
	Germany	60.0	(2.1)	56.8	(1.1)	49.2	(1.8)	46.8	(3.0)	45.8	(2.4)	48.3	(1.2)	55.0	(1.7)	67.6	(2.1)
	Greece	65.0	(2.2)	66.2	(1.2)	71.2	(2.1)	71.2	(5.7)	46.6	(1.7)	57.0	(1.1)	73.0	(2.2)	80.3	(5.0)
	Hungary	69.1	(2.1)	62.9	(1.1)	52.3	(2.4)	47.4	(3.1)	68.1	(2.4)	68.8	(1.2)	71.0	(2.2)	77.2	(2.9)
	Iceland	51.4	(2.0)	57.6	(1.3)	65.9	(2.3)	67.9	(4.5)	46.7	(2.1)	59.5	(1.2)	76.3	(2.0)	85.6	(3.4)
	Ireland	52.6	(2.2)	55.1	(1.1)	59.6	(1.6)	62.2	(2.7)	44.0	(2.3)	56.6	(1.1)	72.1	(1.7)	84.9	(2.3)
	Italy	61.8	(1.3)	52.3	(1.0)	49.9	(1.4)	51.9	(2.6)	63.1	(1.2)	71.2	(0.7)	79.7	(1.3)	83.9	(2.0)
	Japan	55.6	(2.2)	56.7	(1.0)	51.8	(1.4)	51.5	(1.9)	34.3	(2.5)	38.1	(1.2)	48.5	(1.5)	63.5	(1.9)
	Korea	59.9	(2.5)	53.9	(1.0)	50.6	(1.8)	50.1	(2.6)	59.6	(2.2)	72.7	(1.1)	83.4	(1.3)	89.6	(1.7)
	Luxembourg	62.9	(1.7)	57.9	(1.2)	55.3	(2.4)	57.9	(3.4)	51.7	(1.8)	55.5	(1.0)	65.0	(1.7)	75.3	(3.3)
	Mexico	82.3	(0.7)	77.2	(0.7)	73.8	(2.8)	c	c	81.1	(0.6)	86.2	(0.6)	91.7	(2.4)	c	c
	Netherlands	63.0	(3.7)	50.6	(1.6)	37.7	(1.7)	40.3	(2.1)	52.6	(2.9)	57.8	(1.4)	72.3	(1.6)	85.5	(2.5)
	New Zealand	61.1	(2.4)	57.7	(1.3)	62.3	(1.7)	67.3	(1.7)	54.0	(2.7)	57.9	(1.1)	70.0	(1.9)	81.5	(1.7)
	Norway	57.9	(2.3)	60.4	(1.3)	62.8	(2.8)	68.0	(4.1)	48.8	(2.1)	54.3	(1.2)	71.7	(2.2)	81.6	(2.9)
	Poland	74.3	(1.5)	72.6	(0.9)	67.5	(1.9)	65.4	(3.0)	80.9	(1.5)	84.0	(0.8)	86.7	(1.3)	90.6	(1.7)
	Portugal	79.0	(1.6)	78.4	(1.0)	76.7	(2.2)	79.7	(4.7)	72.7	(1.7)	81.0	(0.8)	90.2	(1.3)	96.9	(1.5)
	Slovak Republic	68.9	(3.4)	61.5	(1.2)	54.5	(1.9)	51.5	(3.3)	58.1	(2.1)	57.7	(1.4)	69.1	(2.0)	75.1	(2.7)
	Spain	67.2	(1.5)	61.9	(0.9)	59.5	(1.7)	61.5	(2.9)	54.3	(1.7)	66.2	(0.7)	80.0	(1.3)	87.6	(1.8)
	Sweden	59.8	(2.4)	68.3	(1.2)	69.0	(2.0)	71.9	(3.2)	45.9	(2.6)	55.4	(1.1)	69.2	(1.5)	82.5	(2.0)
	Switzerland	58.2	(2.0)	52.2	(1.0)	47.6	(1.2)	45.1	(2.1)	48.8	(1.9)	51.9	(0.9)	62.5	(1.4)	71.8	(1.8)
	Turkey	75.7	(1.3)	79.4	(1.2)	85.4	(2.6)	c	c	75.4	(1.1)	82.0	(1.0)	91.4	(2.0)	c	c
United Kingdom	59.0	(1.8)	60.9	(1.1)	66.2	(1.5)	71.2	(1.6)	53.8	(1.9)	58.7	(1.2)	67.1	(1.3)	78.5	(1.6)	
United States	68.4	(1.5)	71.5	(1.0)	75.4	(1.9)	75.3	(2.4)	66.5	(1.6)	70.1	(1.1)	77.3	(1.7)	86.6	(2.0)	
OECD average	61.4	(0.4)	59.3	(0.2)	58.4	(0.4)	59.5	(0.6)	53.1	(0.4)	58.9	(0.2)	70.1	(0.3)	79.7	(0.5)	
Partners	Argentina	73.5	(1.1)	64.1	(1.7)	60.6	(5.0)	c	c	77.6	(1.0)	78.0	(1.3)	81.5	(3.4)	c	c
	Azerbaijan	83.1	(0.9)	83.9	(1.4)	c	c	c	c	88.7	(0.8)	89.7	(1.0)	c	c	c	c
	Brazil	76.2	(0.9)	72.1	(1.4)	67.4	(3.5)	c	c	74.1	(1.3)	79.8	(1.2)	82.7	(3.0)	c	c
	Bulgaria	75.3	(1.4)	71.9	(1.4)	64.8	(2.5)	67.6	(4.7)	73.3	(1.2)	77.4	(1.1)	81.0	(2.4)	83.3	(3.7)
	Chile	83.4	(1.0)	78.1	(1.2)	75.2	(2.5)	c	c	73.2	(1.2)	77.2	(1.1)	86.9	(1.9)	c	c
	Colombia	78.9	(1.5)	77.3	(2.2)	c	c	c	c	88.1	(0.7)	87.7	(1.3)	c	c	c	c
	Croatia	79.7	(1.4)	72.9	(0.8)	66.0	(2.1)	65.1	(3.6)	62.1	(1.9)	70.7	(1.0)	79.1	(1.6)	85.3	(2.6)
	Estonia	69.5	(3.7)	74.8	(1.1)	81.0	(1.5)	82.8	(2.0)	63.4	(3.8)	59.9	(1.1)	68.9	(1.7)	79.4	(1.8)
	Hong Kong-China	75.9	(3.0)	79.7	(1.0)	77.0	(1.3)	75.3	(1.9)	63.2	(3.1)	74.8	(1.4)	77.1	(1.3)	80.7	(1.6)
	Indonesia	82.5	(0.7)	83.6	(1.0)	c	c	c	c	75.5	(0.9)	75.4	(1.1)	c	c	c	c
	Israel	62.9	(1.4)	60.9	(1.3)	57.6	(2.6)	54.2	(4.2)	60.2	(1.5)	68.4	(1.3)	78.3	(2.1)	82.1	(3.6)
	Jordan	83.6	(1.0)	86.2	(0.8)	83.4	(2.9)	c	c	83.5	(0.8)	89.3	(0.7)	95.0	(1.7)	c	c
	Kyrgyzstan	80.1	(0.7)	75.4	(1.6)	c	c	c	c	87.1	(0.6)	75.0	(2.2)	c	c	c	c
	Latvia	67.4	(2.8)	59.1	(1.2)	57.4	(2.6)	58.2	(5.5)	64.9	(2.8)	68.4	(1.2)	80.3	(2.0)	86.3	(3.2)
	Liechtenstein	60.6	(8.4)	50.4	(3.7)	43.4	(6.3)	42.7	(6.9)	55.5	(8.5)	50.4	(4.1)	49.4	(6.0)	64.5	(8.0)
	Lithuania	81.4	(1.6)	88.2	(0.8)	89.3	(1.2)	87.4	(3.0)	56.8	(2.1)	61.6	(1.1)	70.4	(2.2)	74.1	(3.8)
	Macao-China	72.7	(2.6)	65.0	(1.1)	59.4	(1.9)	58.4	(4.5)	67.9	(2.6)	71.4	(1.0)	77.5	(1.6)	79.6	(4.2)
	Montenegro	80.9	(1.0)	74.8	(1.2)	68.6	(4.8)	c	c	78.4	(1.0)	79.9	(1.0)	89.8	(2.9)	c	c
	Qatar	76.0	(0.7)	81.6	(1.5)	c	c	c	c	73.8	(0.6)	86.0	(1.3)	c	c	c	c
	Romania	84.5	(1.2)	77.4	(1.0)	71.4	(3.5)	c	c	75.5	(1.6)	75.6	(1.3)	84.2	(2.4)	c	c
	Russian Federation	75.6	(1.6)	74.1	(1.1)	71.8	(2.0)	73.4	(3.9)	62.9	(2.2)	59.4	(1.0)	58.0	(1.8)	61.7	(3.1)
	Serbia	69.2	(1.4)	50.2	(1.2)	34.0	(3.3)	c	c	82.8	(1.0)	83.0	(0.9)	86.7	(2.5)	c	c
	Slovenia	74.7	(1.9)	73.2	(0.9)	67.0	(1.9)	61.1	(2.5)	62.5	(2.4)	70.3	(1.2)	78.1	(1.5)	87.6	(1.7)
Chinese Taipei	79.8	(1.8)	70.8	(0.9)	63.6	(1.2)	65.4	(1.5)	78.1	(1.4)	80.0	(0.8)	84.5	(0.8)	88.6	(0.9)	
Thailand	89.3	(0.8)	93.3	(0.6)	94.9	(2.1)	c	c	90.2	(0.7)	94.5	(0.5)	98.3	(1.0)	c	c	
Tunisia	77.4	(0.9)	78.7	(1.5)	c	c	c	c	64.5	(1.0)	80.5	(1.6)	c	c	c	c	
Uruguay	76.5	(1.6)	71.4	(1.1)	65.8	(3.0)	c	c	71.4	(1.4)	68.1	(1.2)	69.4	(2.7)	c	c	



[Part 2/3]

Table A3.11b Personal value of science (underlying percentages), by performance group

	Percentage of students agreeing or strongly agreeing with the following statements																
	Science is very relevant to me								I find that science helps me to understand the things around me								
	Lowest performers		Moderate performers		Strong performers		Top performers		Lowest performers		Moderate performers		Strong performers		Top performers		
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	
OECD	Australia	34.6	(1.5)	47.1	(0.8)	65.8	(1.0)	81.2	(1.2)	58.1	(1.6)	69.1	(0.9)	82.1	(1.1)	91.7	(0.8)
	Austria	43.6	(2.3)	38.6	(1.1)	48.5	(2.2)	57.7	(2.9)	57.1	(3.0)	58.8	(1.1)	72.7	(1.5)	82.4	(2.4)
	Belgium	43.2	(2.1)	46.9	(1.0)	61.2	(1.3)	72.9	(1.8)	62.0	(2.7)	69.7	(1.0)	79.3	(1.0)	87.3	(1.3)
	Canada	47.4	(1.8)	56.2	(1.0)	71.6	(1.4)	85.0	(1.2)	63.1	(2.2)	73.2	(0.9)	83.5	(1.0)	90.2	(1.0)
	Czech Republic	52.9	(2.8)	49.3	(1.3)	52.1	(2.1)	59.9	(3.1)	67.5	(2.5)	66.2	(1.3)	70.5	(1.9)	82.2	(1.7)
	Denmark	43.5	(2.1)	46.6	(1.2)	62.7	(2.1)	74.9	(3.3)	58.5	(2.1)	64.0	(1.1)	80.8	(1.7)	90.9	(2.1)
	Finland	37.7	(4.6)	39.6	(1.1)	50.3	(1.5)	62.4	(2.0)	55.5	(5.2)	68.6	(1.2)	79.1	(1.1)	88.1	(1.4)
	France	40.1	(2.0)	49.0	(1.4)	69.9	(1.6)	84.2	(2.1)	63.9	(2.3)	71.3	(1.4)	84.2	(1.6)	92.6	(1.4)
	Germany	41.5	(2.4)	43.2	(1.2)	52.9	(2.0)	65.2	(3.1)	55.4	(2.5)	65.5	(1.1)	77.9	(1.3)	87.9	(1.8)
	Greece	38.3	(1.9)	40.8	(1.0)	61.3	(2.4)	75.4	(4.1)	67.1	(1.7)	80.2	(0.9)	91.8	(1.5)	94.8	(2.6)
	Hungary	57.9	(2.8)	56.6	(1.5)	60.2	(2.1)	71.3	(3.1)	68.6	(2.5)	74.0	(1.0)	80.9	(1.8)	90.2	(2.6)
	Iceland	33.1	(1.8)	42.7	(1.3)	67.1	(2.3)	81.9	(2.8)	48.7	(2.0)	65.4	(1.1)	85.0	(1.8)	93.7	(1.8)
	Ireland	34.8	(2.2)	50.5	(1.3)	70.2	(1.6)	84.6	(2.4)	59.0	(2.3)	72.3	(1.2)	86.2	(1.2)	93.7	(1.5)
	Italy	70.4	(1.1)	75.7	(0.8)	83.3	(1.2)	87.8	(1.7)	81.8	(1.0)	86.7	(0.4)	90.9	(1.0)	95.0	(1.1)
	Japan	42.5	(2.6)	57.2	(1.1)	67.9	(1.7)	75.6	(2.1)	51.6	(2.0)	64.1	(1.2)	72.7	(1.9)	79.3	(2.5)
	Korea	28.7	(2.0)	42.8	(1.2)	63.0	(1.8)	77.5	(2.7)	56.0	(2.1)	70.2	(0.9)	80.2	(1.3)	87.2	(1.9)
	Luxembourg	50.8	(1.9)	50.1	(1.2)	59.4	(2.1)	74.2	(3.1)	64.8	(1.8)	70.1	(1.1)	80.9	(1.7)	88.3	(2.7)
	Mexico	88.0	(0.8)	86.1	(0.6)	86.4	(2.7)	c	c	90.0	(0.6)	92.8	(0.4)	94.2	(1.9)	c	c
	Netherlands	36.3	(2.5)	39.0	(1.2)	52.1	(1.7)	67.6	(2.3)	58.8	(2.6)	62.4	(1.4)	69.4	(1.8)	79.6	(1.8)
	New Zealand	40.4	(2.5)	46.6	(1.3)	64.9	(1.7)	79.2	(1.8)	67.1	(2.2)	71.5	(1.1)	81.8	(1.1)	90.3	(1.1)
	Norway	44.2	(1.9)	48.9	(1.2)	65.8	(2.1)	78.3	(2.7)	54.3	(1.8)	66.1	(1.1)	79.7	(1.9)	90.0	(2.2)
	Poland	71.4	(1.9)	69.9	(0.9)	71.7	(1.7)	74.9	(3.2)	80.0	(1.4)	81.6	(0.9)	83.3	(1.7)	88.1	(1.8)
	Portugal	75.4	(1.7)	79.1	(0.8)	88.1	(1.6)	96.4	(1.9)	87.6	(1.3)	93.4	(0.6)	95.4	(1.0)	97.3	(1.7)
	Slovak Republic	63.8	(2.3)	61.7	(1.2)	66.2	(1.8)	72.0	(2.9)	70.9	(1.7)	67.3	(1.4)	75.2	(1.8)	76.6	(2.9)
	Spain	49.2	(1.8)	55.4	(0.8)	72.6	(1.6)	81.6	(2.2)	68.1	(1.3)	78.4	(0.6)	86.3	(1.0)	91.8	(1.6)
	Sweden	35.5	(2.1)	40.6	(1.4)	53.2	(1.8)	71.6	(2.7)	49.3	(2.4)	66.3	(1.0)	82.8	(1.5)	93.8	(2.0)
	Switzerland	44.5	(1.8)	43.1	(1.0)	54.7	(1.5)	70.9	(1.9)	58.2	(1.9)	66.5	(1.0)	79.5	(1.4)	89.6	(1.4)
	Turkey	59.6	(1.6)	67.6	(1.2)	85.3	(2.3)	c	c	75.4	(1.4)	84.3	(0.9)	94.7	(1.3)	c	c
United Kingdom	40.2	(1.9)	49.6	(1.2)	64.7	(1.7)	78.5	(1.7)	65.3	(1.7)	74.8	(0.9)	86.3	(1.0)	92.3	(1.0)	
United States	56.6	(1.7)	62.7	(1.1)	78.2	(2.0)	87.4	(2.2)	74.1	(1.4)	79.1	(0.9)	86.8	(1.5)	91.2	(1.7)	
OECD average	46.4	(0.4)	51.0	(0.2)	64.3	(0.3)	76.1	(0.5)	63.3	(0.4)	71.3	(0.2)	81.6	(0.3)	89.1	(0.4)	
Partners	Argentina	73.9	(1.2)	68.7	(1.7)	69.7	(3.8)	c	c	82.1	(1.0)	83.7	(1.3)	88.5	(2.7)	c	c
	Azerbaijan	89.6	(0.8)	91.0	(1.1)	c	c	c	c	85.2	(0.8)	87.4	(1.2)	c	c	c	c
	Brazil	79.6	(1.1)	74.1	(1.4)	77.7	(3.6)	c	c	88.4	(0.7)	89.0	(1.0)	93.1	(1.8)	c	c
	Bulgaria	78.1	(1.2)	75.9	(1.1)	74.5	(2.7)	78.6	(5.8)	85.5	(1.1)	89.3	(0.8)	91.3	(1.5)	91.9	(3.0)
	Chile	72.0	(1.3)	71.2	(1.2)	79.9	(2.1)	c	c	84.8	(1.1)	87.5	(0.9)	91.9	(1.4)	c	c
	Colombia	96.6	(0.5)	95.2	(0.7)	c	c	c	c	95.5	(0.5)	96.6	(0.7)	c	c	c	c
	Croatia	69.7	(1.9)	63.9	(1.2)	67.0	(1.8)	74.9	(3.3)	82.4	(1.7)	83.7	(0.9)	87.3	(1.2)	89.1	(2.7)
	Estonia	56.6	(3.3)	54.0	(1.1)	59.9	(1.8)	69.7	(2.5)	70.8	(3.4)	79.6	(1.0)	85.3	(1.4)	93.4	(1.7)
	Hong Kong-China	81.1	(2.1)	92.5	(0.7)	94.7	(0.8)	96.3	(0.7)	77.1	(2.3)	87.0	(0.7)	91.4	(0.8)	95.9	(0.9)
	Indonesia	81.6	(0.9)	78.4	(2.4)	c	c	c	c	91.6	(0.4)	93.1	(0.7)	c	c	c	c
	Israel	60.9	(1.4)	66.5	(1.3)	77.2	(2.2)	82.1	(3.7)	72.0	(1.2)	82.1	(1.0)	89.1	(1.6)	92.0	(2.3)
	Jordan	75.5	(1.0)	78.2	(1.2)	86.5	(2.4)	c	c	88.3	(0.9)	94.7	(0.6)	97.8	(0.9)	c	c
	Kyrgyzstan	88.3	(0.6)	82.9	(1.9)	c	c	c	c	85.9	(0.6)	89.0	(1.4)	c	c	c	c
	Latvia	66.8	(1.8)	71.1	(1.1)	78.4	(1.7)	81.5	(3.7)	82.5	(1.9)	84.9	(0.9)	91.4	(1.2)	92.3	(2.4)
	Liechtenstein	39.6	(8.7)	42.4	(3.6)	47.4	(6.5)	60.3	(7.4)	64.8	(7.6)	62.7	(3.6)	77.5	(5.0)	85.2	(6.4)
	Lithuania	63.2	(1.6)	63.6	(1.2)	70.2	(1.9)	76.1	(4.3)	79.2	(1.7)	86.9	(0.9)	91.9	(1.3)	94.7	(2.3)
	Macao-China	82.1	(1.7)	90.5	(0.6)	94.2	(1.1)	93.8	(2.3)	83.5	(2.5)	89.4	(0.8)	93.6	(1.1)	93.8	(2.6)
	Montenegro	78.7	(1.1)	74.2	(1.2)	78.0	(4.3)	c	c	83.8	(0.9)	81.3	(1.0)	83.0	(4.2)	c	c
	Qatar	66.3	(0.7)	75.3	(1.7)	c	c	c	c	82.1	(0.6)	93.6	(1.1)	c	c	c	c
	Romania	72.0	(1.5)	79.0	(1.6)	85.3	(3.1)	c	c	87.9	(0.9)	91.7	(0.7)	94.0	(2.2)	c	c
	Russian Federation	68.5	(1.9)	68.1	(1.2)	70.7	(2.1)	74.5	(3.4)	77.7	(1.7)	82.4	(0.9)	86.8	(1.3)	90.2	(2.3)
	Serbia	72.3	(1.4)	64.5	(1.3)	68.4	(2.5)	c	c	82.9	(1.1)	86.4	(0.8)	90.9	(1.8)	c	c
	Slovenia	56.4	(2.9)	57.9	(1.3)	62.9	(2.1)	71.8	(2.4)	76.0	(2.3)	77.2	(1.1)	84.0	(1.3)	85.9	(1.7)
	Chinese Taipei	78.7	(1.9)	88.8	(0.6)	93.6	(0.7)	95.9	(0.6)	85.4	(1.7)	89.1	(0.6)	91.6	(0.7)	93.6	(0.8)
	Thailand	87.0	(0.7)	87.9	(0.6)	90.8	(1.9)	c	c	95.3	(0.5)	96.7	(0.4)	97.9	(1.0)	c	c
	Tunisia	86.2	(0.8)	93.5	(0.8)	c	c	c	c	87.4	(0.7)	94.3	(0.9)	c	c	c	c
	Uruguay	72.8	(1.5)	63.8	(1.4)	66.9	(3.2)	c	c	82.2	(1.3)	84.7	(1.0)	88.5	(1.8)	c	c

[Part 3/3]

Table A3.11b Personal value of science (underlying percentages), by performance group

	Percentage of students agreeing or strongly agreeing with the following statements							
	When I leave school there will be many opportunities for me to use science							
	Lowest performers		Moderate performers		Strong performers		Top performers	
	%	S.E.	%	S.E.	%	S.E.	%	S.E.
OECD								
Australia	40.8	(1.5)	54.0	(0.7)	69.9	(1.0)	82.4	(1.3)
Austria	35.2	(2.4)	35.8	(1.2)	44.6	(2.1)	51.9	(3.4)
Belgium	45.6	(2.0)	52.3	(0.9)	66.6	(1.1)	78.4	(1.5)
Canada	56.1	(1.9)	63.9	(0.8)	75.0	(1.1)	85.8	(1.0)
Czech Republic	49.2	(2.7)	50.2	(1.5)	56.4	(2.1)	64.6	(2.8)
Denmark	45.9	(2.2)	48.2	(1.1)	65.9	(2.0)	74.9	(3.5)
Finland	40.4	(4.2)	49.2	(1.2)	63.5	(1.6)	75.2	(1.9)
France	51.3	(2.1)	55.0	(1.4)	68.8	(1.5)	79.7	(2.4)
Germany	35.1	(2.3)	39.6	(1.3)	47.7	(1.9)	60.8	(2.5)
Greece	48.1	(2.1)	50.6	(1.0)	61.1	(2.2)	66.6	(4.1)
Hungary	56.6	(2.5)	52.4	(1.3)	55.0	(2.2)	65.0	(3.2)
Iceland	37.0	(1.6)	46.8	(1.3)	66.7	(2.0)	82.0	(4.0)
Ireland	44.9	(2.4)	58.6	(1.3)	75.5	(1.9)	87.6	(1.8)
Italy	61.5	(1.3)	64.2	(1.0)	68.5	(1.6)	69.4	(3.1)
Japan	41.2	(1.9)	44.9	(1.1)	49.4	(1.6)	58.5	(2.6)
Korea	42.9	(2.4)	53.5	(1.2)	61.5	(1.7)	68.4	(3.6)
Luxembourg	45.7	(1.7)	46.1	(1.0)	58.9	(1.8)	67.5	(3.1)
Mexico	84.8	(0.8)	87.9	(0.6)	90.6	(2.0)	c	c
Netherlands	51.8	(3.0)	50.5	(1.2)	63.4	(1.6)	79.9	(2.2)
New Zealand	53.9	(2.4)	57.4	(1.1)	71.2	(1.8)	83.9	(1.9)
Norway	47.3	(2.3)	56.3	(1.3)	73.4	(1.9)	87.2	(2.7)
Poland	74.0	(1.7)	71.6	(0.9)	71.1	(1.4)	78.5	(3.1)
Portugal	69.3	(1.8)	74.1	(1.1)	86.5	(1.7)	93.8	(2.8)
Slovak Republic	55.4	(2.6)	54.6	(1.6)	62.5	(2.2)	68.3	(3.5)
Spain	47.8	(2.2)	57.2	(0.9)	75.6	(1.4)	85.4	(2.0)
Sweden	49.7	(2.5)	57.4	(1.2)	70.2	(1.6)	84.3	(2.8)
Switzerland	39.6	(1.9)	41.5	(1.0)	54.5	(1.4)	66.6	(1.8)
Turkey	51.9	(1.6)	58.5	(1.6)	82.4	(2.6)	c	c
United Kingdom	50.2	(1.7)	56.3	(1.1)	69.1	(1.8)	80.6	(1.7)
United States	65.2	(1.7)	69.8	(1.3)	78.7	(1.5)	87.3	(2.3)
OECD average	49.3	(0.4)	54.0	(0.2)	65.4	(0.3)	75.5	(0.5)
Partners								
Argentina	78.5	(1.1)	77.3	(1.5)	80.8	(3.5)	c	c
Azerbaijan	75.3	(1.0)	76.2	(1.5)	c	c	c	c
Brazil	75.3	(0.9)	74.4	(1.3)	79.7	(4.1)	c	c
Bulgaria	72.2	(1.4)	70.3	(1.4)	73.3	(2.5)	68.7	(4.8)
Chile	78.6	(1.2)	78.0	(1.2)	87.5	(2.8)	c	c
Colombia	84.1	(1.1)	81.5	(1.4)	c	c	c	c
Croatia	63.7	(2.2)	66.6	(1.3)	71.9	(2.0)	80.8	(3.1)
Estonia	55.7	(3.7)	55.5	(1.1)	63.7	(1.9)	73.3	(2.4)
Hong Kong-China	57.7	(3.1)	63.2	(1.4)	65.9	(1.5)	71.4	(1.6)
Indonesia	85.0	(0.8)	83.7	(1.4)	c	c	c	c
Israel	55.8	(1.4)	64.8	(1.5)	76.7	(2.4)	81.9	(3.0)
Jordan	78.8	(1.1)	84.4	(1.0)	90.3	(2.3)	c	c
Kyrgyzstan	85.0	(0.7)	75.4	(2.4)	c	c	c	c
Latvia	60.3	(2.9)	61.6	(1.4)	66.5	(2.6)	69.6	(3.8)
Liechtenstein	41.8	(8.1)	36.6	(4.0)	42.0	(6.7)	59.9	(10.3)
Lithuania	60.0	(1.5)	66.1	(1.2)	74.8	(1.9)	78.0	(3.5)
Macao-China	60.6	(3.0)	61.9	(1.1)	64.6	(2.0)	70.9	(4.7)
Montenegro	82.8	(1.0)	78.7	(1.2)	84.0	(3.6)	c	c
Qatar	70.7	(0.7)	79.9	(1.5)	c	c	c	c
Romania	79.0	(1.3)	83.8	(1.3)	87.6	(3.2)	c	c
Russian Federation	68.5	(1.8)	64.6	(1.0)	63.7	(2.0)	66.5	(3.7)
Serbia	74.0	(1.3)	69.7	(1.1)	70.7	(3.9)	c	c
Slovenia	55.0	(2.8)	59.6	(1.0)	65.9	(2.2)	76.2	(3.1)
Chinese Taipei	69.2	(2.3)	70.7	(0.9)	74.1	(1.1)	80.0	(1.5)
Thailand	88.8	(0.7)	89.9	(0.7)	94.8	(1.9)	c	c
Tunisia	77.3	(1.0)	83.2	(1.0)	c	c	c	c
Uruguay	68.2	(1.6)	62.6	(1.4)	66.2	(2.7)	c	c



[Part 1/1]

Table A3.12a Future-oriented motivation to learn science (mean index), by performance group

	Lowest performers		Moderate performers		Strong performers		Top performers		Difference in the mean index between strong performers and top performers	
	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Dif.	S.E.
	OECD									
Australia	-0.43	(0.03)	-0.28	(0.02)	0.13	(0.02)	0.54	(0.03)	-0.41	(0.03)
Austria	-0.45	(0.06)	-0.48	(0.02)	-0.15	(0.05)	0.18	(0.07)	-0.33	(0.09)
Belgium	-0.26	(0.04)	-0.21	(0.02)	0.19	(0.03)	0.62	(0.04)	-0.43	(0.05)
Canada	-0.18	(0.04)	0.00	(0.02)	0.36	(0.02)	0.79	(0.03)	-0.44	(0.04)
Switzerland	-0.34	(0.04)	-0.40	(0.02)	-0.06	(0.04)	0.46	(0.05)	-0.52	(0.07)
Czech Republic	-0.14	(0.05)	-0.18	(0.03)	-0.09	(0.04)	0.16	(0.05)	-0.25	(0.05)
Germany	-0.36	(0.05)	-0.30	(0.03)	-0.01	(0.04)	0.38	(0.06)	-0.38	(0.09)
Denmark	-0.33	(0.04)	-0.31	(0.02)	0.10	(0.05)	0.51	(0.09)	-0.40	(0.12)
Spain	-0.19	(0.03)	-0.04	(0.01)	0.50	(0.03)	0.95	(0.05)	-0.45	(0.05)
Finland	-0.50	(0.08)	-0.42	(0.02)	-0.11	(0.03)	0.29	(0.04)	-0.39	(0.05)
France	-0.29	(0.04)	-0.21	(0.03)	0.28	(0.04)	0.83	(0.06)	-0.54	(0.08)
United Kingdom	-0.36	(0.04)	-0.29	(0.02)	0.04	(0.04)	0.49	(0.04)	-0.45	(0.05)
Greece	0.11	(0.04)	0.06	(0.02)	0.43	(0.05)	0.81	(0.12)	-0.38	(0.13)
Hungary	0.16	(0.06)	-0.04	(0.03)	0.17	(0.04)	0.56	(0.09)	-0.39	(0.09)
Ireland	-0.41	(0.04)	-0.19	(0.02)	0.24	(0.04)	0.64	(0.06)	-0.39	(0.08)
Iceland	-0.38	(0.04)	-0.13	(0.03)	0.39	(0.04)	0.81	(0.08)	-0.42	(0.09)
Italy	0.14	(0.02)	0.13	(0.02)	0.39	(0.03)	0.69	(0.06)	-0.30	(0.06)
Japan	-0.58	(0.05)	-0.42	(0.03)	-0.10	(0.03)	0.32	(0.04)	-0.42	(0.05)
Korea	-0.42	(0.04)	-0.43	(0.02)	-0.05	(0.04)	0.33	(0.10)	-0.38	(0.08)
Luxembourg	-0.18	(0.04)	-0.13	(0.02)	0.15	(0.04)	0.55	(0.08)	-0.39	(0.09)
Mexico	0.69	(0.03)	0.49	(0.02)	0.66	(0.06)	c	c	c	c
Netherlands	-0.33	(0.07)	-0.43	(0.02)	-0.15	(0.03)	0.36	(0.05)	-0.52	(0.07)
Norway	-0.32	(0.04)	-0.35	(0.02)	0.05	(0.04)	0.43	(0.07)	-0.38	(0.08)
New Zealand	-0.20	(0.04)	-0.24	(0.03)	0.14	(0.04)	0.56	(0.04)	-0.41	(0.05)
Poland	0.23	(0.04)	0.08	(0.02)	0.21	(0.03)	0.44	(0.06)	-0.22	(0.07)
Portugal	-0.01	(0.03)	0.21	(0.03)	0.73	(0.05)	1.16	(0.10)	-0.43	(0.11)
Slovak Republic	0.10	(0.04)	0.02	(0.03)	0.18	(0.05)	0.34	(0.08)	-0.16	(0.11)
Sweden	-0.45	(0.04)	-0.34	(0.02)	0.03	(0.03)	0.51	(0.05)	-0.48	(0.06)
Turkey	0.56	(0.03)	0.66	(0.03)	1.14	(0.09)	c	c	c	c
United States	0.11	(0.04)	0.09	(0.02)	0.37	(0.04)	0.68	(0.06)	-0.31	(0.07)
OECD average	-0.22	(0.01)	-0.19	(0.00)	0.16	(0.01)	0.55	(0.01)	-0.39	(0.01)
Partners										
Argentina	0.36	(0.04)	0.23	(0.03)	0.43	(0.11)	c	c	c	c
Azerbaijan	0.72	(0.03)	0.61	(0.04)	c	c	c	c	c	c
Brazil	0.51	(0.02)	0.37	(0.03)	0.47	(0.10)	c	c	c	c
Bulgaria	0.50	(0.04)	0.27	(0.03)	0.36	(0.06)	0.47	(0.12)	-0.11	(0.13)
Chile	0.17	(0.03)	0.22	(0.03)	0.56	(0.08)	c	c	c	c
Colombia	0.79	(0.03)	0.66	(0.04)	c	c	c	c	c	c
Croatia	0.22	(0.04)	0.16	(0.02)	0.31	(0.04)	0.52	(0.08)	-0.21	(0.08)
Estonia	0.01	(0.06)	-0.17	(0.02)	-0.07	(0.03)	0.17	(0.04)	-0.23	(0.05)
Hong Kong-China	0.05	(0.05)	0.13	(0.02)	0.38	(0.04)	0.70	(0.03)	-0.32	(0.05)
Indonesia	0.85	(0.02)	0.74	(0.05)	c	c	c	c	c	c
Israel	0.19	(0.04)	0.23	(0.04)	0.60	(0.06)	0.86	(0.07)	-0.25	(0.09)
Jordan	0.97	(0.02)	1.10	(0.02)	1.46	(0.06)	c	c	c	c
Kyrgyzstan	1.11	(0.02)	0.56	(0.04)	c	c	c	c	c	c
Latvia	-0.03	(0.04)	-0.15	(0.02)	0.00	(0.05)	0.23	(0.08)	-0.23	(0.09)
Liechtenstein	-0.27	(0.17)	-0.45	(0.07)	-0.26	(0.11)	0.22	(0.20)	-0.47	(0.26)
Lithuania	0.14	(0.03)	0.06	(0.02)	0.24	(0.04)	0.46	(0.07)	-0.22	(0.07)
Macao-China	0.21	(0.04)	0.09	(0.02)	0.26	(0.03)	0.51	(0.07)	-0.25	(0.08)
Montenegro	0.46	(0.03)	0.18	(0.03)	0.30	(0.13)	c	c	c	c
Qatar	0.56	(0.01)	0.72	(0.04)	c	c	c	c	c	c
Romania	0.62	(0.03)	0.47	(0.03)	0.57	(0.07)	c	c	c	c
Russian Federation	0.49	(0.04)	0.28	(0.02)	0.26	(0.04)	0.40	(0.07)	-0.14	(0.08)
Serbia	0.38	(0.03)	0.19	(0.03)	0.45	(0.07)	c	c	c	c
Slovenia	-0.17	(0.04)	-0.10	(0.02)	0.10	(0.04)	0.46	(0.06)	-0.35	(0.08)
Chinese Taipei	0.02	(0.05)	-0.02	(0.02)	0.25	(0.02)	0.50	(0.04)	-0.25	(0.04)
Thailand	0.87	(0.02)	0.82	(0.02)	1.09	(0.09)	c	c	c	c
Tunisia	1.00	(0.02)	1.17	(0.03)	c	c	c	c	c	c
Uruguay	0.17	(0.04)	0.09	(0.02)	0.29	(0.07)	c	c	c	c

Note: Values that are statistically significant are indicated in bold (see Annex B).

[Part 1/3]

Table A3.12b Future-oriented motivation to learn science (mean index) by performance group, by gender

	Females										
	Lowest performers		Moderate performers		Strong performers		Top performers		Difference in the mean index between strong performers and top performers		
	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Dif.	S.E.	
OECD											
Australia	-0.50	(0.04)	-0.31	(0.02)	0.09	(0.03)	0.50	(0.05)	-0.40	(0.05)	
Austria	-0.48	(0.08)	-0.48	(0.03)	-0.21	(0.07)	0.07	(0.10)	-0.29	(0.12)	
Belgium	-0.31	(0.04)	-0.25	(0.03)	0.05	(0.03)	0.42	(0.06)	-0.36	(0.07)	
Canada	-0.15	(0.06)	0.01	(0.03)	0.34	(0.04)	0.75	(0.05)	-0.41	(0.06)	
Czech Republic	-0.13	(0.06)	-0.06	(0.04)	0.05	(0.06)	0.33	(0.06)	-0.28	(0.07)	
Denmark	-0.34	(0.05)	-0.27	(0.03)	0.21	(0.07)	0.67	(0.16)	-0.45	(0.19)	
Finland	-0.52	(0.11)	-0.36	(0.03)	-0.04	(0.03)	0.31	(0.05)	-0.35	(0.06)	
France	-0.34	(0.06)	-0.24	(0.03)	0.15	(0.05)	0.62	(0.07)	-0.47	(0.09)	
Germany	-0.52	(0.06)	-0.36	(0.03)	-0.10	(0.05)	0.21	(0.09)	-0.31	(0.10)	
Greece	-0.11	(0.05)	-0.10	(0.03)	0.32	(0.08)	0.60	(0.18)	-0.28	(0.24)	
Hungary	0.09	(0.06)	-0.01	(0.03)	0.25	(0.05)	0.53	(0.10)	-0.28	(0.12)	
Iceland	-0.60	(0.05)	-0.28	(0.03)	0.25	(0.06)	0.74	(0.12)	-0.48	(0.12)	
Ireland	-0.45	(0.07)	-0.12	(0.04)	0.31	(0.07)	0.70	(0.08)	-0.40	(0.10)	
Italy	0.03	(0.03)	0.05	(0.02)	0.28	(0.04)	0.52	(0.08)	-0.23	(0.08)	
Japan	-0.82	(0.06)	-0.62	(0.03)	-0.30	(0.04)	0.11	(0.06)	-0.41	(0.07)	
Korea	-0.54	(0.06)	-0.56	(0.02)	-0.18	(0.05)	0.11	(0.10)	-0.29	(0.09)	
Luxembourg	-0.22	(0.05)	-0.08	(0.03)	0.14	(0.07)	0.34	(0.12)	-0.20	(0.14)	
Mexico	0.64	(0.03)	0.44	(0.02)	0.73	(0.10)	c	c	c	c	
Netherlands	-0.42	(0.09)	-0.54	(0.03)	-0.28	(0.05)	0.15	(0.08)	-0.44	(0.10)	
New Zealand	-0.23	(0.06)	-0.26	(0.04)	0.12	(0.05)	0.55	(0.06)	-0.43	(0.07)	
Norway	-0.40	(0.06)	-0.42	(0.03)	-0.02	(0.06)	0.30	(0.10)	-0.32	(0.12)	
Poland	0.16	(0.04)	0.16	(0.03)	0.35	(0.05)	0.61	(0.10)	-0.25	(0.10)	
Portugal	-0.06	(0.04)	0.21	(0.03)	0.78	(0.06)	1.13	(0.16)	-0.35	(0.16)	
Slovak Republic	0.08	(0.07)	0.11	(0.04)	0.27	(0.06)	0.30	(0.11)	-0.03	(0.12)	
Spain	-0.31	(0.04)	-0.07	(0.03)	0.49	(0.05)	0.90	(0.09)	-0.41	(0.11)	
Sweden	-0.42	(0.06)	-0.36	(0.03)	-0.02	(0.05)	0.36	(0.08)	-0.39	(0.09)	
Switzerland	-0.43	(0.05)	-0.41	(0.03)	-0.10	(0.05)	0.31	(0.08)	-0.41	(0.11)	
Turkey	0.48	(0.05)	0.59	(0.03)	1.16	(0.11)	c	c	c	c	
United Kingdom	-0.44	(0.05)	-0.33	(0.03)	-0.04	(0.05)	0.39	(0.06)	-0.43	(0.08)	
United States	0.03	(0.05)	0.05	(0.03)	0.32	(0.06)	0.55	(0.09)	-0.24	(0.11)	
OECD average	-0.30	(0.01)	-0.21	(0.01)	0.12	(0.01)	0.47	(0.02)	-0.34	(0.02)	
Partners											
Argentina	0.34	(0.05)	0.26	(0.05)	0.41	(0.16)	c	c	c	c	
Azerbaijan	0.69	(0.03)	0.66	(0.05)	c	c	c	c	c	c	
Brazil	0.48	(0.02)	0.35	(0.03)	0.48	(0.15)	c	c	c	c	
Bulgaria	0.54	(0.05)	0.34	(0.04)	0.44	(0.09)	0.55	(0.16)	-0.10	(0.18)	
Chile	0.12	(0.04)	0.27	(0.04)	0.62	(0.12)	c	c	c	c	
Colombia	0.75	(0.04)	0.70	(0.05)	c	c	c	c	c	c	
Croatia	0.23	(0.04)	0.18	(0.03)	0.33	(0.05)	0.49	(0.13)	-0.16	(0.13)	
Estonia	-0.06	(0.09)	-0.15	(0.03)	0.01	(0.04)	0.20	(0.06)	-0.19	(0.07)	
Hong Kong-China	-0.17	(0.08)	-0.03	(0.04)	0.24	(0.05)	0.56	(0.06)	-0.32	(0.09)	
Indonesia	0.86	(0.02)	0.83	(0.04)	c	c	c	c	c	c	
Israel	0.04	(0.05)	0.20	(0.05)	0.55	(0.09)	0.81	(0.13)	-0.25	(0.18)	
Jordan	0.88	(0.03)	1.02	(0.03)	1.41	(0.08)	c	c	c	c	
Kyrgyzstan	1.13	(0.02)	0.53	(0.05)	c	c	c	c	c	c	
Latvia	-0.11	(0.05)	-0.14	(0.03)	0.05	(0.05)	0.21	(0.13)	-0.16	(0.14)	
Liechtenstein	-0.31	(0.19)	-0.55	(0.10)	-0.25	(0.14)	-0.03	(0.25)	-0.23	(0.31)	
Lithuania	0.13	(0.04)	0.10	(0.03)	0.30	(0.05)	0.48	(0.10)	-0.17	(0.12)	
Macao-China	0.04	(0.05)	0.01	(0.02)	0.17	(0.05)	0.44	(0.10)	-0.27	(0.11)	
Montenegro	0.50	(0.03)	0.17	(0.04)	0.11	(0.18)	c	c	c	c	
Qatar	0.33	(0.02)	0.68	(0.04)	c	c	c	c	c	c	
Romania	0.62	(0.05)	0.48	(0.04)	0.38	(0.12)	c	c	c	c	
Russian Federation	0.46	(0.05)	0.25	(0.03)	0.18	(0.05)	0.34	(0.12)	-0.15	(0.11)	
Serbia	0.34	(0.04)	0.12	(0.04)	0.40	(0.10)	c	c	c	c	
Slovenia	-0.14	(0.06)	-0.06	(0.03)	0.10	(0.05)	0.36	(0.09)	-0.26	(0.11)	
Chinese Taipei	-0.18	(0.06)	-0.26	(0.02)	-0.08	(0.03)	0.16	(0.05)	-0.24	(0.06)	
Thailand	0.86	(0.02)	0.86	(0.03)	1.08	(0.11)	c	c	c	c	
Tunisia	0.95	(0.03)	1.17	(0.03)	c	c	c	c	c	c	
Uruguay	0.26	(0.04)	0.14	(0.03)	0.28	(0.10)	c	c	c	c	

Note: Values that are statistically significant are indicated in bold (see Annex B).



[Part 2/3]

Table A3.12b Future-oriented motivation to learn science (mean index) by performance group, by gender

	Males									
	Lowest performers		Moderate performers		Strong performers		Top performers		Difference in the mean index between strong performers and top performers	
	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Dif.	S.E.
OECD										
Australia	-0.38	(0.04)	-0.24	(0.02)	0.17	(0.04)	0.58	(0.04)	-0.41	(0.06)
Austria	-0.43	(0.06)	-0.48	(0.03)	-0.08	(0.06)	0.27	(0.09)	-0.35	(0.11)
Belgium	-0.21	(0.06)	-0.18	(0.03)	0.30	(0.04)	0.76	(0.05)	-0.46	(0.06)
Canada	-0.20	(0.05)	-0.01	(0.03)	0.37	(0.03)	0.83	(0.05)	-0.46	(0.06)
Czech Republic	-0.16	(0.07)	-0.28	(0.04)	-0.21	(0.04)	0.04	(0.05)	-0.24	(0.07)
Denmark	-0.32	(0.06)	-0.35	(0.03)	0.01	(0.06)	0.38	(0.13)	-0.37	(0.16)
Finland	-0.48	(0.12)	-0.48	(0.04)	-0.18	(0.04)	0.27	(0.05)	-0.45	(0.07)
France	-0.23	(0.05)	-0.17	(0.04)	0.42	(0.07)	0.97	(0.09)	-0.55	(0.13)
Germany	-0.18	(0.08)	-0.24	(0.04)	0.07	(0.06)	0.49	(0.09)	-0.41	(0.12)
Greece	0.27	(0.05)	0.25	(0.03)	0.54	(0.07)	0.95	(0.16)	-0.41	(0.17)
Hungary	0.22	(0.09)	-0.07	(0.04)	0.10	(0.05)	0.58	(0.11)	-0.48	(0.11)
Iceland	-0.19	(0.05)	0.02	(0.04)	0.52	(0.06)	0.88	(0.11)	-0.36	(0.12)
Ireland	-0.39	(0.07)	-0.26	(0.03)	0.18	(0.06)	0.58	(0.08)	-0.40	(0.11)
Italy	0.25	(0.04)	0.21	(0.02)	0.49	(0.04)	0.82	(0.07)	-0.33	(0.07)
Japan	-0.37	(0.05)	-0.20	(0.04)	0.12	(0.05)	0.48	(0.05)	-0.36	(0.08)
Korea	-0.32	(0.05)	-0.29	(0.03)	0.07	(0.05)	0.51	(0.12)	-0.44	(0.11)
Luxembourg	-0.13	(0.05)	-0.18	(0.04)	0.16	(0.06)	0.67	(0.10)	-0.50	(0.12)
Mexico	0.75	(0.04)	0.55	(0.03)	0.61	(0.08)	c	c	c	c
Netherlands	-0.23	(0.09)	-0.33	(0.03)	-0.02	(0.05)	0.51	(0.06)	-0.53	(0.08)
New Zealand	-0.19	(0.06)	-0.22	(0.03)	0.17	(0.04)	0.56	(0.05)	-0.39	(0.07)
Norway	-0.25	(0.06)	-0.28	(0.03)	0.12	(0.06)	0.54	(0.11)	-0.41	(0.13)
Poland	0.29	(0.05)	0.00	(0.03)	0.07	(0.06)	0.32	(0.07)	-0.25	(0.11)
Portugal	0.04	(0.05)	0.22	(0.04)	0.69	(0.07)	1.18	(0.11)	-0.49	(0.12)
Slovak Republic	0.11	(0.05)	-0.07	(0.04)	0.11	(0.08)	0.37	(0.12)	-0.26	(0.16)
Spain	-0.07	(0.05)	-0.01	(0.03)	0.51	(0.04)	0.99	(0.07)	-0.47	(0.08)
Sweden	-0.48	(0.05)	-0.32	(0.03)	0.08	(0.05)	0.63	(0.08)	-0.55	(0.10)
Switzerland	-0.25	(0.06)	-0.38	(0.02)	-0.02	(0.05)	0.59	(0.06)	-0.61	(0.08)
Turkey	0.61	(0.04)	0.73	(0.05)	1.12	(0.11)	c	c	c	c
United Kingdom	-0.27	(0.05)	-0.24	(0.03)	0.13	(0.05)	0.57	(0.05)	-0.44	(0.08)
United States	0.19	(0.05)	0.13	(0.03)	0.42	(0.05)	0.79	(0.08)	-0.37	(0.09)
OECD average	-0.15	(0.01)	-0.16	(0.01)	0.19	(0.01)	0.61	(0.02)	-0.42	(0.02)
Partners										
Argentina	0.39	(0.05)	0.19	(0.05)	0.47	(0.17)	c	c	c	c
Azerbaijan	0.74	(0.03)	0.56	(0.04)	c	c	c	c	c	c
Brazil	0.55	(0.03)	0.39	(0.04)	0.46	(0.13)	c	c	c	c
Bulgaria	0.46	(0.05)	0.19	(0.04)	0.27	(0.06)	0.42	(0.11)	-0.15	(0.15)
Chile	0.22	(0.04)	0.17	(0.03)	0.52	(0.10)	c	c	c	c
Colombia	0.85	(0.04)	0.60	(0.05)	c	c	c	c	c	c
Croatia	0.20	(0.05)	0.14	(0.03)	0.30	(0.05)	0.55	(0.10)	-0.25	(0.11)
Estonia	0.07	(0.09)	-0.19	(0.02)	-0.14	(0.05)	0.14	(0.06)	-0.28	(0.08)
Hong Kong-China	0.26	(0.08)	0.31	(0.03)	0.53	(0.04)	0.83	(0.05)	-0.30	(0.06)
Indonesia	0.84	(0.02)	0.68	(0.07)	c	c	c	c	c	c
Israel	0.34	(0.05)	0.25	(0.05)	0.65	(0.07)	0.89	(0.11)	-0.24	(0.13)
Jordan	1.04	(0.03)	1.20	(0.03)	1.53	(0.09)	c	c	c	c
Kyrgyzstan	1.09	(0.02)	0.59	(0.06)	c	c	c	c	c	c
Latvia	0.04	(0.05)	-0.16	(0.03)	-0.05	(0.07)	0.25	(0.11)	-0.30	(0.12)
Liechtenstein	-0.23	(0.28)	-0.34	(0.10)	-0.27	(0.20)	0.50	(0.29)	-0.77	(0.38)
Lithuania	0.15	(0.05)	0.01	(0.03)	0.17	(0.07)	0.44	(0.09)	-0.27	(0.13)
Macao-China	0.34	(0.06)	0.19	(0.02)	0.35	(0.05)	0.56	(0.09)	-0.21	(0.12)
Montenegro	0.42	(0.04)	0.19	(0.04)	0.49	(0.17)	c	c	c	c
Qatar	0.77	(0.02)	0.79	(0.06)	c	c	c	c	c	c
Romania	0.62	(0.03)	0.46	(0.03)	0.72	(0.09)	c	c	c	c
Russian Federation	0.52	(0.05)	0.31	(0.03)	0.33	(0.05)	0.44	(0.10)	-0.11	(0.12)
Serbia	0.40	(0.04)	0.26	(0.03)	0.51	(0.09)	c	c	c	c
Slovenia	-0.20	(0.06)	-0.15	(0.03)	0.11	(0.06)	0.56	(0.08)	-0.45	(0.12)
Chinese Taipei	0.19	(0.05)	0.22	(0.03)	0.53	(0.03)	0.77	(0.04)	-0.24	(0.06)
Thailand	0.88	(0.02)	0.77	(0.03)	1.09	(0.10)	c	c	c	c
Tunisia	1.05	(0.03)	1.17	(0.04)	c	c	c	c	c	c
Uruguay	0.08	(0.06)	0.02	(0.04)	0.29	(0.08)	c	c	c	c

Note: Values that are statistically significant are indicated in bold (see Annex B).

[Part 3/3]

Table A3.12b Future-oriented motivation to learn science (mean index) by performance group, by gender

	Females – Males							
	Difference in the mean index between female lowest performers and male lowest performers		Difference in the mean index between female moderate performers and male moderate performers		Difference in the mean index between female strong performers and male strong performers		Difference in the mean index between female top performers and male top performers	
	Dif.	S.E.	Dif.	S.E.	Dif.	S.E.	Dif.	S.E.
OECD								
Australia	-0.12	(0.06)	-0.07	(0.03)	-0.08	(0.05)	-0.08	(0.06)
Austria	-0.05	(0.08)	0.00	(0.04)	-0.13	(0.08)	-0.19	(0.13)
Belgium	-0.10	(0.07)	-0.07	(0.04)	-0.25	(0.05)	-0.35	(0.08)
Canada	0.05	(0.08)	0.02	(0.04)	-0.03	(0.06)	-0.08	(0.07)
Czech Republic	0.02	(0.09)	0.22	(0.05)	0.26	(0.07)	0.30	(0.08)
Denmark	-0.01	(0.08)	0.09	(0.04)	0.20	(0.10)	0.29	(0.23)
Finland	-0.04	(0.17)	0.12	(0.04)	0.15	(0.05)	0.05	(0.06)
France	-0.11	(0.07)	-0.07	(0.04)	-0.27	(0.08)	-0.35	(0.11)
Germany	-0.34	(0.11)	-0.12	(0.04)	-0.17	(0.07)	-0.28	(0.12)
Greece	-0.38	(0.08)	-0.35	(0.05)	-0.22	(0.11)	-0.35	(0.26)
Hungary	-0.12	(0.09)	0.06	(0.05)	0.16	(0.06)	-0.05	(0.12)
Iceland	-0.41	(0.07)	-0.29	(0.05)	-0.27	(0.09)	-0.14	(0.16)
Ireland	-0.06	(0.11)	0.13	(0.06)	0.13	(0.10)	0.12	(0.10)
Italy	-0.22	(0.05)	-0.15	(0.03)	-0.21	(0.06)	-0.31	(0.09)
Japan	-0.45	(0.09)	-0.42	(0.04)	-0.42	(0.06)	-0.37	(0.08)
Korea	-0.22	(0.07)	-0.27	(0.03)	-0.24	(0.06)	-0.40	(0.11)
Luxembourg	-0.09	(0.07)	0.09	(0.05)	-0.02	(0.10)	-0.33	(0.15)
Mexico	-0.11	(0.04)	-0.11	(0.03)	0.13	(0.13)	c	c
Netherlands	-0.19	(0.11)	-0.21	(0.04)	-0.26	(0.07)	-0.36	(0.10)
New Zealand	-0.04	(0.09)	-0.04	(0.05)	-0.05	(0.06)	-0.01	(0.08)
Norway	-0.15	(0.08)	-0.14	(0.04)	-0.15	(0.10)	-0.24	(0.17)
Poland	-0.13	(0.06)	0.16	(0.04)	0.28	(0.09)	0.28	(0.12)
Portugal	-0.09	(0.05)	-0.01	(0.04)	0.09	(0.08)	-0.06	(0.17)
Slovak Republic	-0.03	(0.08)	0.18	(0.05)	0.16	(0.10)	-0.07	(0.16)
Spain	-0.24	(0.06)	-0.06	(0.04)	-0.02	(0.07)	-0.08	(0.13)
Sweden	0.06	(0.08)	-0.04	(0.04)	-0.11	(0.07)	-0.27	(0.11)
Switzerland	-0.18	(0.05)	-0.03	(0.04)	-0.08	(0.07)	-0.29	(0.10)
Turkey	-0.13	(0.06)	-0.13	(0.05)	0.04	(0.13)	c	c
United Kingdom	-0.17	(0.07)	-0.09	(0.04)	-0.17	(0.06)	-0.18	(0.08)
United States	-0.17	(0.06)	-0.08	(0.04)	-0.11	(0.09)	-0.24	(0.12)
OECD average	-0.14	(0.02)	-0.05	(0.01)	-0.07	(0.01)	-0.14	(0.02)
Partners								
Argentina	-0.05	(0.05)	0.07	(0.07)	-0.05	(0.25)	c	c
Azerbaijan	-0.05	(0.03)	0.10	(0.06)	c	c	c	c
Brazil	-0.07	(0.03)	-0.04	(0.04)	0.02	(0.18)	c	c
Bulgaria	0.08	(0.05)	0.16	(0.05)	0.17	(0.10)	0.13	(0.14)
Chile	-0.09	(0.05)	0.10	(0.05)	0.10	(0.16)	c	c
Colombia	-0.10	(0.06)	0.10	(0.07)	c	c	c	c
Croatia	0.04	(0.06)	0.04	(0.03)	0.03	(0.07)	-0.06	(0.17)
Estonia	-0.13	(0.13)	0.04	(0.04)	0.15	(0.06)	0.06	(0.09)
Hong Kong-China	-0.43	(0.12)	-0.34	(0.05)	-0.29	(0.05)	-0.27	(0.08)
Indonesia	0.02	(0.03)	0.15	(0.08)	c	c	c	c
Israel	-0.30	(0.07)	-0.05	(0.06)	-0.10	(0.12)	-0.08	(0.19)
Jordan	-0.16	(0.04)	-0.18	(0.05)	-0.12	(0.13)	c	c
Kyrgyzstan	0.04	(0.02)	-0.06	(0.08)	c	c	c	c
Latvia	-0.15	(0.08)	0.02	(0.04)	0.10	(0.08)	-0.03	(0.16)
Liechtenstein	-0.08	(0.31)	-0.21	(0.14)	0.02	(0.25)	-0.53	(0.35)
Lithuania	-0.02	(0.07)	0.10	(0.04)	0.13	(0.09)	0.03	(0.15)
Macao-China	-0.31	(0.08)	-0.18	(0.03)	-0.18	(0.07)	-0.12	(0.14)
Montenegro	0.07	(0.05)	-0.02	(0.05)	-0.37	(0.25)	c	c
Qatar	-0.43	(0.03)	-0.11	(0.07)	c	c	c	c
Romania	-0.01	(0.06)	0.02	(0.04)	-0.34	(0.17)	c	c
Russian Federation	-0.06	(0.07)	-0.06	(0.03)	-0.15	(0.06)	-0.11	(0.16)
Serbia	-0.06	(0.05)	-0.13	(0.04)	-0.11	(0.12)	c	c
Slovenia	0.05	(0.08)	0.09	(0.04)	-0.02	(0.08)	-0.20	(0.13)
Chinese Taipei	-0.37	(0.07)	-0.47	(0.03)	-0.61	(0.04)	-0.60	(0.07)
Thailand	-0.02	(0.03)	0.09	(0.03)	-0.01	(0.13)	c	c
Tunisia	-0.10	(0.03)	0.00	(0.04)	c	c	c	c
Uruguay	0.18	(0.06)	0.12	(0.05)	-0.01	(0.13)	c	c

Note: Values that are statistically significant are indicated in bold (see Annex B).



[Part 1/2]

Table A3.12c Future-oriented motivation to learn science (underlying percentages), by performance group

		Percentage of students agreeing or strongly agreeing with the following statements															
		I would like to work in a career involving science						I would like to study science after secondary school									
		Lowest performers		Moderate performers		Strong performers		Top performers		Lowest performers		Moderate performers		Strong performers		Top performers	
		%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.
OECD	Australia	21.7	(1.5)	30.8	(0.8)	49.1	(1.2)	65.2	(1.2)	18.2	(1.4)	25.1	(0.8)	42.5	(1.2)	60.2	(1.3)
	Austria	19.6	(2.0)	21.4	(1.0)	34.6	(2.3)	47.3	(3.2)	14.9	(2.4)	11.7	(0.8)	24.3	(2.1)	35.6	(2.9)
	Belgium	28.5	(1.5)	29.1	(0.9)	48.8	(1.5)	67.7	(1.9)	18.7	(1.7)	18.7	(0.9)	36.9	(1.5)	56.6	(1.8)
	Canada	31.2	(1.9)	40.4	(1.0)	54.6	(1.3)	71.1	(1.6)	27.8	(1.8)	37.6	(1.1)	53.9	(1.4)	70.1	(1.7)
	Czech Republic	24.1	(2.4)	21.7	(1.3)	26.4	(1.8)	38.7	(2.7)	15.7	(2.0)	12.7	(0.9)	18.9	(1.6)	33.9	(2.4)
	Denmark	23.1	(1.7)	23.3	(0.9)	41.3	(1.9)	55.2	(3.9)	14.5	(1.6)	16.0	(0.9)	31.2	(1.9)	45.5	(3.6)
	Finland	15.8	(3.3)	15.9	(0.9)	27.8	(1.5)	46.9	(1.9)	8.9	(2.4)	10.8	(0.8)	24.1	(1.4)	46.6	(2.2)
	France	30.6	(1.9)	36.3	(1.2)	58.1	(1.7)	77.0	(2.1)	21.9	(2.0)	25.9	(1.2)	49.4	(1.5)	73.2	(3.0)
	Germany	25.5	(2.1)	27.4	(1.1)	40.6	(1.7)	57.1	(2.6)	17.0	(1.6)	18.1	(1.0)	29.7	(1.7)	46.2	(2.8)
	Greece	37.1	(2.2)	36.8	(1.0)	54.5	(2.3)	69.1	(4.9)	27.8	(1.9)	29.5	(1.1)	47.8	(2.3)	64.9	(4.9)
	Hungary	42.5	(3.5)	33.1	(1.4)	43.9	(2.1)	57.5	(3.4)	28.4	(3.1)	22.4	(1.4)	34.4	(2.5)	55.4	(3.8)
	Iceland	22.2	(2.0)	32.6	(1.4)	55.5	(2.1)	73.1	(3.5)	20.0	(1.9)	29.5	(1.3)	53.9	(2.4)	70.6	(3.9)
	Ireland	22.2	(2.0)	35.4	(1.0)	56.5	(1.8)	70.8	(2.7)	18.6	(1.6)	29.6	(1.0)	50.1	(1.7)	66.0	(2.9)
	Italy	42.7	(1.3)	44.1	(1.0)	60.1	(1.4)	70.4	(2.1)	30.6	(1.3)	30.6	(0.9)	42.5	(1.6)	57.3	(2.6)
	Japan	14.6	(1.5)	16.7	(1.1)	27.1	(1.5)	43.1	(2.1)	9.3	(1.5)	13.1	(0.9)	25.1	(1.3)	42.0	(1.8)
	Korea	15.7	(1.9)	19.5	(1.0)	37.9	(2.0)	53.8	(4.0)	12.3	(1.7)	14.2	(0.8)	33.1	(1.9)	50.6	(4.1)
	Luxembourg	30.9	(1.6)	32.0	(1.0)	45.6	(1.9)	58.4	(3.5)	26.3	(1.7)	26.8	(0.9)	38.8	(1.9)	53.4	(3.6)
	Mexico	67.2	(1.3)	59.7	(0.9)	68.3	(2.6)	c	c	54.2	(1.4)	43.3	(1.0)	54.7	(2.6)	c	c
	Netherlands	19.4	(2.8)	13.9	(0.9)	30.3	(1.8)	51.8	(2.9)	17.0	(2.6)	10.9	(0.8)	24.9	(2.0)	47.9	(3.0)
	New Zealand	27.6	(2.3)	32.4	(1.2)	50.3	(1.7)	67.4	(1.7)	23.0	(2.3)	24.9	(1.2)	41.3	(2.1)	59.3	(2.2)
	Norway	26.6	(1.6)	24.5	(0.9)	40.0	(2.2)	54.6	(3.7)	19.4	(1.6)	17.3	(0.8)	32.3	(2.0)	49.4	(3.4)
	Poland	34.4	(1.8)	31.4	(1.1)	40.0	(1.7)	47.7	(3.1)	33.4	(1.6)	28.8	(1.0)	37.9	(1.8)	47.1	(2.8)
	Portugal	32.3	(1.8)	49.5	(1.3)	72.8	(2.5)	86.0	(3.1)	23.1	(1.6)	36.9	(1.3)	61.7	(2.3)	77.4	(3.2)
	Slovak Republic	27.6	(2.7)	27.3	(1.2)	37.7	(2.5)	44.7	(3.1)	22.3	(2.9)	21.3	(2.1)	32.0	(2.0)	40.5	(2.8)
	Spain	27.3	(1.4)	36.2	(0.8)	60.3	(1.7)	77.0	(2.2)	24.8	(1.5)	33.6	(0.8)	60.6	(1.7)	77.2	(2.1)
	Sweden	19.1	(1.9)	24.9	(1.1)	41.0	(1.7)	62.4	(2.8)	15.0	(1.6)	20.1	(1.0)	37.3	(1.8)	59.4	(3.1)
	Switzerland	24.9	(1.7)	26.5	(0.9)	41.8	(1.6)	61.3	(2.2)	18.8	(1.8)	14.2	(0.8)	25.5	(1.6)	46.0	(2.2)
	Turkey	59.8	(1.6)	60.1	(1.3)	80.6	(3.1)	c	c	51.4	(1.4)	54.5	(1.4)	74.0	(3.8)	c	c
United Kingdom	22.2	(1.7)	27.4	(1.0)	42.3	(1.8)	60.4	(1.7)	20.9	(1.6)	24.3	(1.0)	42.7	(1.7)	61.6	(2.0)	
United States	40.0	(2.2)	40.2	(1.2)	53.7	(2.3)	67.0	(3.1)	36.5	(1.8)	38.7	(1.1)	57.6	(1.9)	73.0	(2.5)	
OECD average	26.8	(0.4)	29.7	(0.2)	45.4	(0.4)	60.8	(0.5)	20.9	(0.4)	23.0	(0.2)	38.9	(0.3)	56.0	(0.6)	
Partners	Argentina	51.1	(2.0)	48.0	(1.9)	58.0	(6.1)	c	c	42.9	(1.9)	39.2	(1.7)	52.2	(5.6)	c	c
	Azerbaijan	60.4	(1.4)	56.9	(2.2)	c	c	c	c	56.5	(1.4)	55.0	(2.0)	c	c	c	c
	Brazil	51.8	(1.1)	49.0	(1.4)	61.1	(4.7)	c	c	54.6	(1.2)	46.5	(1.4)	53.3	(5.1)	c	c
	Bulgaria	50.7	(2.0)	41.8	(1.7)	47.5	(3.3)	54.7	(7.1)	49.7	(2.0)	43.3	(1.5)	49.0	(3.2)	57.3	(6.4)
	Chile	38.9	(1.4)	46.9	(1.3)	65.6	(3.2)	c	c	32.8	(1.2)	37.7	(1.2)	56.2	(3.7)	c	c
	Colombia	68.5	(1.2)	62.3	(1.4)	c	c	c	c	55.8	(1.4)	46.1	(1.8)	c	c	c	c
	Croatia	41.7	(2.1)	38.8	(1.2)	46.5	(1.9)	53.0	(3.8)	26.3	(1.9)	22.4	(1.0)	32.9	(2.0)	44.7	(4.3)
	Estonia	30.6	(3.1)	22.3	(1.1)	26.0	(1.6)	37.6	(2.5)	28.6	(3.0)	19.8	(0.9)	21.8	(1.4)	32.4	(2.3)
	Hong Kong-China	36.7	(3.5)	37.9	(1.1)	51.4	(1.6)	65.2	(1.6)	28.7	(2.8)	31.3	(1.2)	47.1	(1.9)	61.8	(1.6)
	Indonesia	75.6	(1.3)	70.0	(3.0)	c	c	c	c	62.4	(1.0)	60.3	(2.1)	c	c	c	c
	Israel	44.9	(1.6)	42.6	(1.5)	58.1	(2.3)	67.1	(3.4)	40.1	(1.6)	41.5	(1.4)	56.2	(2.8)	69.3	(3.2)
	Jordan	75.9	(1.1)	78.2	(1.1)	89.0	(2.2)	c	c	70.2	(1.3)	73.7	(1.2)	84.6	(2.7)	c	c
	Kyrgyzstan	81.7	(0.7)	54.0	(2.4)	c	c	c	c	77.2	(0.8)	53.4	(2.3)	c	c	c	c
	Latvia	22.7	(1.8)	20.3	(1.1)	29.1	(2.2)	38.2	(4.7)	22.1	(1.8)	19.1	(1.2)	29.0	(2.2)	37.6	(4.9)
	Liechtenstein	26.2	(6.5)	17.0	(2.8)	27.5	(4.6)	51.3	(8.4)	17.8	(6.6)	10.5	(2.6)	18.7	(4.4)	39.3	(8.8)
	Lithuania	37.7	(1.7)	30.6	(1.0)	41.6	(2.4)	53.2	(3.0)	27.1	(1.7)	23.2	(1.0)	34.2	(2.2)	45.6	(3.6)
	Macao-China	48.4	(3.0)	37.5	(1.0)	47.8	(2.5)	61.7	(4.9)	34.1	(2.3)	28.6	(1.0)	41.3	(2.5)	54.0	(4.5)
	Montenegro	52.5	(1.2)	41.2	(1.4)	51.7	(6.2)	c	c	47.1	(1.2)	34.5	(1.3)	44.9	(5.2)	c	c
	Qatar	62.4	(0.7)	67.4	(1.7)	c	c	c	c	52.0	(0.7)	58.8	(1.6)	c	c	c	c
	Romania	61.9	(1.8)	52.5	(1.6)	55.8	(4.4)	c	c	57.1	(1.8)	49.4	(2.7)	52.7	(5.1)	c	c
	Russian Federation	48.7	(2.3)	38.6	(1.3)	39.4	(2.1)	46.3	(3.6)	50.6	(2.3)	40.9	(1.3)	43.5	(2.6)	50.8	(4.4)
	Serbia	53.9	(1.4)	47.1	(1.4)	61.1	(3.2)	c	c	36.1	(1.5)	27.8	(1.2)	43.1	(3.6)	c	c
	Slovenia	32.3	(2.6)	33.9	(1.2)	44.8	(2.0)	57.7	(3.0)	16.9	(1.7)	16.5	(0.9)	26.8	(1.9)	42.3	(2.8)
	Chinese Taipei	30.6	(2.4)	29.2	(1.2)	45.1	(1.3)	58.3	(1.9)	25.5	(2.5)	24.7	(1.1)	41.1	(1.3)	55.1	(2.1)
	Thailand	70.8	(1.4)	69.2	(1.3)	82.8	(3.1)	c	c	71.7	(1.2)	68.7	(1.3)	80.9	(3.8)	c	c
	Tunisia	81.8	(0.9)	84.7	(1.1)	c	c	c	c	75.0	(1.1)	81.2	(1.5)	c	c	c	c
	Uruguay	44.8	(2.2)	42.6	(1.5)	52.8	(3.7)	c	c	34.3	(1.8)	32.2	(1.1)	40.2	(2.9)	c	c

[Part 2/2]

Table A3.12c Future-oriented motivation to learn science (underlying percentages), by performance group

	Percentage of students agreeing or strongly agreeing with the following statements																
	I would like to spend my life doing advanced science					I would like to work on science projects as an adult											
	Lowest performers		Moderate performers		Strong performers		Top performers		Lowest performers		Moderate performers		Strong performers		Top performers		
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	
OECD	Australia	10.7	(0.9)	9.2	(0.5)	19.3	(0.8)	33.0	(1.2)	13.7	(1.1)	15.3	(0.6)	27.4	(1.1)	41.8	(1.4)
	Austria	17.2	(2.1)	12.2	(0.9)	21.3	(1.7)	31.0	(2.7)	19.3	(2.0)	18.0	(0.9)	26.7	(1.8)	39.3	(3.1)
	Belgium	14.9	(1.3)	13.6	(0.7)	26.6	(1.3)	43.9	(2.0)	19.1	(1.8)	18.8	(0.8)	33.2	(1.2)	51.5	(2.0)
	Canada	16.5	(1.7)	19.0	(0.8)	29.8	(1.2)	45.2	(1.7)	21.1	(1.8)	22.5	(0.7)	34.4	(1.2)	52.4	(1.6)
	Czech Republic	20.1	(2.0)	16.9	(1.0)	19.4	(1.5)	27.7	(2.1)	18.9	(2.5)	18.7	(1.1)	22.6	(1.7)	32.9	(2.1)
	Denmark	9.8	(1.2)	10.7	(0.8)	26.4	(1.9)	40.6	(4.1)	14.4	(1.3)	16.8	(1.0)	34.8	(1.9)	48.1	(3.7)
	Finland	10.4	(2.3)	6.5	(0.7)	10.9	(0.9)	24.0	(1.5)	7.6	(2.4)	11.8	(0.9)	21.9	(1.5)	40.2	(1.9)
	France	13.1	(1.6)	11.1	(0.8)	22.2	(1.6)	42.5	(3.9)	19.7	(1.6)	20.1	(1.0)	37.2	(1.9)	58.1	(3.3)
	Germany	18.0	(2.1)	16.2	(0.9)	23.1	(1.7)	35.2	(2.3)	19.0	(1.9)	19.6	(1.0)	29.7	(1.5)	40.9	(2.5)
	Greece	30.1	(2.1)	26.6	(1.0)	42.7	(2.3)	62.8	(4.6)	28.4	(1.8)	27.4	(0.9)	39.4	(2.4)	55.8	(4.8)
	Hungary	27.8	(2.9)	14.2	(1.0)	19.2	(1.8)	33.9	(3.3)	27.9	(3.2)	19.7	(1.1)	32.7	(2.3)	49.9	(3.6)
	Iceland	13.9	(1.5)	13.7	(1.0)	27.7	(2.0)	42.5	(4.1)	15.4	(1.6)	24.2	(1.4)	44.5	(2.8)	64.6	(4.6)
	Ireland	9.5	(1.7)	10.3	(0.7)	20.3	(1.7)	33.9	(2.9)	12.4	(1.7)	17.2	(0.8)	31.0	(1.8)	44.6	(3.2)
	Italy	25.2	(1.2)	20.8	(0.8)	30.8	(1.6)	45.5	(2.8)	28.9	(1.3)	27.2	(0.9)	39.5	(1.7)	54.9	(2.6)
	Japan	12.3	(1.8)	17.7	(1.1)	27.4	(1.6)	41.2	(2.2)	8.7	(1.5)	10.5	(0.8)	20.3	(1.4)	34.3	(1.9)
	Korea	9.3	(1.5)	7.1	(0.6)	15.8	(1.3)	27.9	(4.4)	11.6	(1.7)	10.6	(0.7)	23.0	(1.8)	37.9	(4.4)
	Luxembourg	21.5	(1.3)	20.3	(0.8)	27.6	(1.9)	41.3	(3.4)	25.3	(1.6)	25.2	(0.9)	33.5	(1.9)	46.0	(3.4)
	Mexico	48.3	(1.3)	35.9	(0.9)	40.1	(3.4)	c	c	57.2	(1.4)	48.9	(1.0)	59.0	(2.6)	c	c
	Netherlands	17.3	(3.3)	7.5	(0.8)	13.7	(1.8)	32.1	(2.4)	14.2	(2.4)	11.8	(1.0)	21.2	(1.4)	40.5	(2.2)
	New Zealand	12.1	(2.0)	9.9	(1.1)	19.7	(1.6)	32.8	(1.9)	19.2	(1.9)	14.7	(1.1)	25.9	(1.5)	41.0	(1.8)
Norway	18.7	(1.5)	10.7	(0.7)	16.7	(1.6)	27.7	(3.4)	20.8	(1.5)	18.1	(0.8)	31.3	(1.8)	45.8	(3.1)	
Poland	31.1	(1.9)	24.1	(0.9)	28.3	(1.5)	38.2	(3.2)	37.0	(1.9)	30.5	(1.0)	36.7	(1.6)	45.9	(2.7)	
Portugal	22.0	(1.6)	25.8	(1.1)	43.9	(2.4)	61.6	(4.4)	21.6	(1.6)	27.8	(1.2)	49.2	(2.6)	63.9	(4.8)	
Slovak Republic	25.2	(2.4)	24.8	(1.2)	34.3	(2.6)	40.9	(3.0)	25.3	(2.1)	23.7	(1.2)	32.0	(2.3)	37.8	(3.1)	
Spain	17.1	(1.2)	18.8	(0.8)	34.9	(1.5)	53.1	(2.5)	20.3	(1.2)	21.7	(0.6)	39.0	(1.4)	57.2	(2.2)	
Sweden	10.6	(1.4)	9.1	(0.9)	17.6	(1.4)	31.6	(2.8)	12.5	(1.7)	15.9	(1.0)	27.9	(1.7)	47.3	(2.6)	
Switzerland	16.6	(1.7)	11.5	(0.7)	19.9	(1.2)	38.7	(2.0)	20.5	(1.8)	16.0	(0.8)	25.6	(1.4)	45.5	(2.1)	
Turkey	48.5	(1.8)	47.8	(1.5)	63.8	(4.2)	c	c	54.4	(1.6)	58.0	(1.4)	72.4	(3.3)	c	c	
United Kingdom	10.6	(1.4)	7.5	(0.7)	16.5	(1.4)	31.3	(1.6)	12.8	(1.1)	13.0	(0.7)	23.8	(1.5)	39.3	(2.0)	
United States	24.7	(1.6)	18.4	(0.9)	27.6	(1.8)	40.8	(2.7)	31.7	(1.8)	25.4	(1.2)	33.7	(2.0)	47.6	(2.9)	
OECD average	17.4	(0.3)	14.8	(0.2)	24.4	(0.3)	38.6	(0.6)	19.6	(0.3)	19.4	(0.2)	31.4	(0.3)	46.6	(0.6)	
Partners	Argentina	33.2	(1.7)	25.3	(1.3)	31.5	(5.1)	c	c	46.4	(1.8)	41.4	(1.5)	49.2	(5.3)	c	c
	Azerbaijan	51.6	(1.6)	45.5	(2.2)	c	c	c	c	59.4	(1.3)	53.8	(1.7)	c	c	c	c
	Brazil	33.7	(1.1)	26.5	(1.4)	30.2	(4.1)	c	c	48.4	(1.2)	40.9	(1.3)	44.1	(4.0)	c	c
	Bulgaria	42.7	(2.1)	25.5	(1.5)	25.7	(2.2)	31.5	(5.4)	49.8	(2.0)	39.7	(1.6)	44.2	(2.6)	51.7	(7.0)
	Chile	26.4	(1.3)	26.0	(1.1)	37.0	(2.8)	c	c	32.0	(1.4)	30.2	(1.2)	43.4	(3.3)	c	c
	Colombia	44.3	(1.9)	38.4	(1.7)	c	c	c	c	63.7	(1.5)	60.8	(2.2)	c	c	c	c
	Croatia	32.3	(1.8)	25.4	(1.1)	31.7	(1.8)	41.4	(3.5)	34.7	(2.3)	34.7	(1.1)	44.8	(2.1)	51.6	(3.7)
	Estonia	24.5	(2.7)	11.5	(0.6)	13.2	(1.1)	17.3	(1.9)	32.8	(3.7)	28.6	(1.2)	38.1	(2.2)	49.8	(2.5)
	Hong Kong-China	22.9	(3.0)	19.5	(0.9)	27.8	(1.4)	38.0	(1.8)	24.2	(2.8)	28.5	(1.1)	41.7	(1.5)	57.6	(1.7)
	Indonesia	61.2	(1.6)	48.0	(3.7)	c	c	c	c	64.6	(1.3)	57.9	(3.5)	c	c	c	c
	Israel	36.7	(1.4)	38.1	(1.2)	50.4	(2.4)	61.3	(3.5)	35.2	(1.7)	36.3	(1.3)	45.7	(2.4)	56.2	(3.2)
	Jordan	62.6	(1.2)	64.2	(1.3)	75.4	(3.3)	c	c	74.3	(1.1)	80.1	(1.0)	88.3	(2.4)	c	c
	Kyrgyzstan	70.3	(0.8)	37.8	(2.1)	c	c	c	c	74.2	(0.9)	44.7	(2.4)	c	c	c	c
	Latvia	20.2	(2.2)	11.4	(0.9)	15.8	(1.7)	26.3	(4.6)	25.8	(2.0)	20.7	(1.0)	29.0	(2.2)	40.7	(5.2)
	Liechtenstein	21.5	(7.3)	10.1	(2.4)	17.0	(4.5)	37.8	(8.9)	23.7	(7.2)	13.2	(2.6)	17.6	(4.9)	41.6	(9.2)
	Lithuania	20.7	(1.6)	17.2	(0.9)	26.4	(2.4)	38.7	(3.4)	25.4	(1.5)	23.3	(1.0)	37.0	(2.4)	43.9	(3.4)
	Macao-China	26.5	(2.2)	15.1	(0.9)	19.5	(1.8)	29.7	(3.5)	28.2	(2.4)	19.9	(0.9)	28.9	(1.9)	38.9	(4.0)
	Montenegro	42.4	(1.2)	26.7	(1.3)	31.3	(6.8)	c	c	46.8	(1.3)	34.6	(1.3)	46.9	(7.2)	c	c
	Qatar	49.2	(0.7)	47.5	(1.5)	c	c	c	c	51.2	(0.7)	56.5	(1.6)	c	c	c	c
	Romania	47.7	(2.1)	35.4	(1.7)	39.5	(4.9)	c	c	51.6	(1.8)	47.1	(1.5)	54.5	(4.7)	c	c
Russian Federation	38.4	(2.7)	25.4	(1.2)	24.6	(2.1)	31.9	(4.0)	42.9	(2.3)	33.3	(1.2)	30.7	(2.5)	39.6	(3.6)	
Serbia	38.6	(1.8)	29.2	(1.3)	40.5	(3.7)	c	c	39.6	(1.7)	32.0	(1.5)	44.8	(4.2)	c	c	
Slovenia	22.0	(2.0)	21.2	(1.0)	27.6	(1.9)	43.1	(3.0)	19.7	(1.9)	21.2	(0.9)	30.5	(1.8)	44.6	(2.9)	
Chinese Taipei	21.9	(2.2)	16.3	(1.0)	23.9	(1.0)	33.5	(1.8)	25.2	(2.2)	21.3	(1.2)	34.8	(1.3)	45.0	(2.1)	
Thailand	67.6	(1.4)	61.0	(1.3)	68.6	(4.1)	c	c	70.3	(1.3)	61.7	(1.3)	66.9	(5.6)	c	c	
Tunisia	59.5	(1.3)	64.2	(1.7)	c	c	c	c	61.1	(1.3)	71.3	(1.8)	c	c	c	c	
Uruguay	29.1	(2.0)	23.7	(1.0)	30.2	(3.0)	c	c	34.3	(1.9)	30.3	(1.0)	43.3	(3.5)	c	c	



[Part 1/1]

Table A3.13a School preparation of science-related careers (mean index), by performance group

	Index of school preparation of science-related careers									
	Lowest performers		Moderate performers		Strong performers		Top performers		Difference in the mean index between strong performers and top performers	
	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Dif.	S.E.
OECD										
Australia	-0.31	(0.03)	0.03	(0.02)	0.41	(0.03)	0.74	(0.03)	-0.33	(0.04)
Austria	-0.23	(0.06)	-0.37	(0.03)	-0.08	(0.06)	0.07	(0.08)	-0.15	(0.07)
Belgium	-0.29	(0.06)	-0.24	(0.02)	0.03	(0.03)	0.26	(0.04)	-0.23	(0.05)
Canada	-0.06	(0.04)	0.20	(0.02)	0.45	(0.03)	0.74	(0.03)	-0.29	(0.04)
Czech Republic	-0.14	(0.07)	-0.25	(0.03)	-0.17	(0.04)	0.09	(0.05)	-0.26	(0.06)
Denmark	-0.21	(0.04)	-0.11	(0.02)	0.15	(0.05)	0.36	(0.07)	-0.21	(0.09)
Finland	-0.15	(0.08)	0.09	(0.02)	0.19	(0.03)	0.35	(0.04)	-0.16	(0.06)
France	-0.26	(0.05)	-0.06	(0.03)	0.44	(0.04)	0.71	(0.07)	-0.27	(0.07)
Germany	-0.13	(0.08)	0.05	(0.03)	0.20	(0.04)	0.31	(0.06)	-0.11	(0.06)
Greece	-0.06	(0.04)	-0.13	(0.02)	-0.19	(0.04)	-0.24	(0.12)	0.06	(0.14)
Hungary	0.12	(0.05)	0.00	(0.03)	0.03	(0.05)	0.26	(0.09)	-0.23	(0.10)
Iceland	-0.31	(0.04)	0.03	(0.02)	0.33	(0.04)	0.52	(0.07)	-0.18	(0.09)
Ireland	-0.14	(0.04)	0.12	(0.03)	0.40	(0.04)	0.57	(0.05)	-0.17	(0.07)
Italy	-0.05	(0.02)	-0.15	(0.02)	-0.05	(0.04)	0.15	(0.07)	-0.20	(0.06)
Japan	-0.72	(0.05)	-0.59	(0.03)	-0.47	(0.04)	-0.21	(0.06)	-0.27	(0.08)
Korea	-0.27	(0.04)	-0.28	(0.02)	-0.28	(0.03)	-0.21	(0.09)	-0.07	(0.09)
Luxembourg	-0.09	(0.04)	-0.14	(0.02)	-0.10	(0.05)	-0.02	(0.08)	-0.07	(0.09)
Mexico	0.51	(0.02)	0.43	(0.02)	0.61	(0.08)	c	c	c	c
Netherlands	-0.39	(0.05)	-0.36	(0.02)	-0.15	(0.02)	0.16	(0.04)	-0.31	(0.04)
New Zealand	-0.18	(0.05)	0.05	(0.03)	0.35	(0.03)	0.68	(0.03)	-0.34	(0.05)
Norway	-0.48	(0.05)	-0.34	(0.02)	-0.15	(0.04)	0.00	(0.06)	-0.15	(0.08)
Poland	0.15	(0.04)	0.03	(0.02)	-0.07	(0.03)	-0.01	(0.06)	-0.06	(0.06)
Portugal	0.15	(0.03)	0.17	(0.02)	0.41	(0.05)	0.63	(0.10)	-0.22	(0.12)
Slovak Republic	-0.07	(0.06)	-0.18	(0.03)	-0.14	(0.05)	0.04	(0.09)	-0.18	(0.09)
Spain	-0.06	(0.03)	0.02	(0.02)	0.25	(0.03)	0.40	(0.06)	-0.14	(0.07)
Sweden	-0.34	(0.05)	-0.09	(0.03)	0.04	(0.05)	0.26	(0.08)	-0.22	(0.10)
Switzerland	-0.20	(0.04)	-0.13	(0.02)	0.23	(0.03)	0.59	(0.05)	-0.36	(0.05)
Turkey	-0.10	(0.03)	-0.20	(0.04)	0.02	(0.11)	c	c	c	c
United Kingdom	-0.18	(0.04)	0.10	(0.02)	0.38	(0.04)	0.75	(0.04)	-0.37	(0.05)
United States	-0.01	(0.03)	0.22	(0.02)	0.44	(0.04)	0.67	(0.05)	-0.23	(0.05)
OECD average	-0.17	(0.01)	-0.08	(0.00)	0.10	(0.01)	0.31	(0.01)	-0.20	(0.01)
Partners										
Argentina	0.22	(0.03)	0.01	(0.04)	0.05	(0.11)	c	c	c	c
Azerbaijan	0.64	(0.03)	0.69	(0.03)	c	c	c	c	c	c
Brazil	0.20	(0.02)	0.06	(0.03)	0.40	(0.09)	c	c	c	c
Bulgaria	0.41	(0.03)	0.38	(0.03)	0.40	(0.06)	0.51	(0.08)	-0.11	(0.10)
Chile	0.24	(0.04)	0.16	(0.04)	0.39	(0.07)	c	c	c	c
Colombia	0.59	(0.04)	0.38	(0.04)	c	c	c	c	c	c
Croatia	0.26	(0.04)	0.15	(0.02)	0.19	(0.04)	0.31	(0.07)	-0.12	(0.07)
Estonia	0.20	(0.06)	0.29	(0.02)	0.25	(0.03)	0.35	(0.04)	-0.10	(0.05)
Hong Kong-China	-0.20	(0.06)	-0.21	(0.02)	-0.08	(0.04)	0.03	(0.05)	-0.11	(0.07)
Indonesia	0.33	(0.02)	0.33	(0.05)	c	c	c	c	c	c
Israel	-0.10	(0.04)	-0.11	(0.05)	0.00	(0.06)	0.05	(0.09)	-0.05	(0.11)
Jordan	0.49	(0.03)	0.52	(0.03)	0.44	(0.07)	c	c	c	c
Kyrgyzstan	0.67	(0.02)	0.46	(0.04)	c	c	c	c	c	c
Latvia	0.27	(0.04)	0.19	(0.02)	0.25	(0.04)	0.26	(0.08)	-0.01	(0.10)
Liechtenstein	-0.31	(0.16)	0.02	(0.09)	0.31	(0.13)	0.56	(0.21)	-0.26	(0.24)
Lithuania	0.32	(0.04)	0.41	(0.02)	0.53	(0.04)	0.66	(0.06)	-0.12	(0.07)
Macao-China	-0.10	(0.05)	-0.15	(0.02)	-0.23	(0.04)	-0.23	(0.07)	0.00	(0.09)
Montenegro	0.47	(0.03)	0.21	(0.03)	0.17	(0.09)	c	c	c	c
Qatar	0.15	(0.02)	0.21	(0.04)	c	c	c	c	c	c
Romania	0.39	(0.04)	0.43	(0.04)	0.33	(0.08)	c	c	c	c
Russian Federation	0.29	(0.03)	0.30	(0.02)	0.28	(0.04)	0.40	(0.08)	-0.13	(0.08)
Serbia	0.32	(0.03)	0.06	(0.03)	0.01	(0.08)	c	c	c	c
Slovenia	0.03	(0.04)	0.02	(0.02)	0.12	(0.03)	0.24	(0.04)	-0.12	(0.06)
Chinese Taipei	0.17	(0.04)	0.28	(0.02)	0.22	(0.02)	0.28	(0.03)	-0.06	(0.04)
Thailand	0.56	(0.02)	0.69	(0.02)	0.75	(0.06)	c	c	c	c
Tunisia	0.56	(0.02)	0.55	(0.03)	c	c	c	c	c	c
Uruguay	0.07	(0.03)	0.06	(0.03)	0.28	(0.06)	c	c	c	c

Note: Values that are statistically significant are indicated in bold (see Annex B).

[Part 1/2]

Table A3.13b Future-oriented motivation to learn science (underlying percentages), by performance group

	Percentage of students agreeing or strongly agreeing with the following statements																
	The subjects available at my school provide students with the basic skills and knowledge for a science-related career					The science subjects at my school provide students with the basic skills and knowledge for many different careers											
	Lowest performers		Moderate performers		Strong performers		Top performers		Lowest performers		Moderate performers		Strong performers		Top performers		
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	
OECD	Australia	81.0	(1.2)	92.1	(0.4)	97.0	(0.4)	97.9	(0.4)	76.2	(1.2)	88.7	(0.4)	94.6	(0.5)	95.6	(0.5)
	Austria	70.6	(1.9)	66.3	(1.2)	73.1	(1.9)	77.1	(2.6)	64.6	(2.2)	61.4	(1.3)	68.0	(2.1)	74.9	(2.4)
	Belgium	74.4	(2.1)	79.7	(0.9)	87.8	(0.8)	91.5	(1.1)	69.0	(1.8)	75.3	(1.0)	82.8	(0.9)	85.4	(1.6)
	Canada	83.0	(1.7)	90.5	(0.5)	94.2	(0.6)	95.9	(0.6)	80.0	(1.5)	88.3	(0.6)	91.9	(0.7)	94.3	(0.7)
	Czech Republic	82.2	(2.3)	78.2	(1.4)	79.1	(2.1)	88.5	(1.6)	74.4	(2.4)	71.4	(1.2)	76.4	(1.9)	81.6	(2.1)
	Denmark	74.0	(1.9)	78.2	(1.0)	82.4	(1.6)	88.0	(2.5)	79.4	(2.0)	84.8	(0.9)	89.3	(1.4)	93.7	(2.0)
	Finland	82.9	(3.0)	89.7	(0.7)	91.9	(1.0)	92.3	(1.2)	76.4	(3.2)	83.9	(1.1)	87.1	(1.2)	88.9	(1.7)
	France	72.5	(1.7)	78.1	(1.3)	91.2	(1.2)	93.5	(1.7)	74.5	(1.5)	83.2	(0.9)	91.3	(1.1)	92.9	(1.6)
	Germany	72.1	(2.1)	77.6	(1.2)	82.9	(1.4)	83.5	(1.7)	72.2	(2.7)	79.1	(1.3)	82.7	(1.4)	82.3	(1.9)
	Greece	83.4	(1.5)	77.0	(1.0)	75.6	(2.5)	70.4	(4.2)	76.7	(1.5)	73.8	(0.9)	71.9	(2.2)	66.3	(4.2)
	Hungary	86.1	(1.8)	82.3	(0.9)	82.9	(1.5)	86.0	(2.1)	81.9	(1.7)	82.3	(0.9)	82.5	(1.4)	88.2	(2.1)
	Iceland	79.2	(1.6)	87.6	(0.8)	90.9	(1.7)	92.7	(2.1)	73.7	(1.8)	82.2	(0.8)	89.4	(1.5)	90.4	(2.5)
	Ireland	85.0	(1.7)	90.9	(0.8)	95.8	(0.9)	96.9	(1.1)	79.8	(1.9)	86.9	(0.8)	90.7	(1.2)	91.5	(1.4)
	Italy	79.8	(1.0)	73.9	(1.0)	74.3	(1.7)	79.7	(2.6)	77.6	(1.0)	78.6	(0.8)	81.0	(1.1)	84.6	(1.9)
	Japan	51.6	(2.4)	64.4	(1.5)	72.4	(1.6)	78.8	(1.8)	50.7	(2.2)	50.0	(1.5)	52.7	(1.9)	62.4	(2.4)
	Korea	77.4	(1.7)	78.3	(0.9)	78.5	(1.7)	79.7	(2.7)	69.1	(2.2)	67.7	(1.0)	65.6	(1.6)	65.6	(3.1)
	Luxembourg	75.6	(1.6)	75.3	(1.0)	77.3	(1.6)	78.8	(2.8)	75.9	(1.4)	77.3	(1.0)	76.3	(2.1)	75.4	(2.9)
	Mexico	93.2	(0.7)	92.0	(0.6)	94.1	(1.9)	c	c	87.0	(0.7)	86.0	(0.6)	86.5	(2.2)	c	c
	Netherlands	74.1	(2.4)	80.7	(0.9)	93.0	(0.8)	95.3	(1.2)	67.6	(2.4)	79.4	(1.0)	89.5	(0.9)	93.1	(0.9)
	New Zealand	81.8	(1.7)	92.5	(0.7)	97.3	(0.7)	98.6	(0.5)	79.5	(1.8)	87.7	(0.9)	92.9	(1.1)	94.6	(1.0)
	Norway	64.3	(2.1)	64.9	(1.1)	67.2	(2.3)	68.1	(3.5)	68.7	(2.1)	76.1	(1.1)	82.1	(1.7)	83.4	(2.3)
	Poland	88.2	(1.2)	86.7	(0.7)	83.7	(1.3)	81.8	(2.6)	82.8	(1.5)	77.3	(0.9)	73.3	(1.4)	74.6	(3.1)
	Portugal	90.2	(1.1)	91.9	(0.7)	95.4	(1.0)	97.3	(1.8)	88.7	(1.3)	91.1	(0.6)	93.1	(1.2)	94.3	(2.2)
	Slovak Republic	80.3	(1.9)	74.9	(1.6)	76.4	(2.0)	79.6	(3.6)	78.5	(1.9)	77.3	(1.2)	79.7	(2.0)	82.6	(2.5)
	Spain	81.7	(1.2)	86.9	(0.7)	89.8	(1.1)	87.2	(2.3)	80.0	(1.5)	83.2	(0.7)	87.6	(1.0)	87.2	(1.8)
	Sweden	72.7	(2.0)	83.2	(1.0)	83.8	(1.7)	87.2	(2.0)	70.8	(2.1)	78.1	(1.0)	77.2	(2.2)	83.6	(2.6)
	Switzerland	74.7	(1.7)	77.6	(0.9)	84.5	(1.2)	90.0	(1.5)	71.0	(1.5)	74.8	(0.9)	84.0	(1.1)	88.4	(1.3)
	Turkey	76.0	(1.3)	73.6	(1.6)	79.3	(4.1)	c	c	75.1	(1.2)	70.0	(1.5)	75.1	(4.2)	c	c
United Kingdom	83.5	(1.6)	92.3	(0.5)	95.1	(0.7)	97.9	(0.6)	78.0	(1.5)	86.5	(0.7)	90.2	(1.0)	94.0	(0.9)	
United States	85.8	(1.2)	92.2	(0.6)	95.2	(0.9)	96.4	(0.9)	79.6	(1.6)	87.8	(0.9)	90.6	(1.3)	93.6	(1.8)	
OECD average	78.2	(0.3)	81.6	(0.2)	85.3	(0.3)	87.5	(0.4)	74.9	(0.4)	79.1	(0.2)	82.7	(0.3)	85.1	(0.4)	
Partners	Argentina	85.3	(1.1)	78.6	(1.4)	75.5	(5.5)	c	c	82.6	(1.1)	80.2	(1.3)	81.2	(3.8)	c	c
	Azerbaijan	94.3	(0.6)	93.3	(0.8)	c	c	c	c	88.0	(1.0)	91.5	(0.7)	c	c	c	c
	Brazil	85.7	(0.6)	81.5	(1.2)	86.8	(2.8)	c	c	82.3	(0.9)	78.3	(1.2)	87.7	(2.8)	c	c
	Bulgaria	91.8	(0.9)	90.4	(0.8)	90.6	(1.8)	91.7	(2.8)	88.0	(1.0)	88.6	(0.8)	89.8	(1.8)	91.5	(2.9)
	Chile	79.8	(1.4)	75.9	(1.5)	82.8	(2.2)	c	c	84.9	(1.0)	82.7	(1.1)	84.5	(2.4)	c	c
	Colombia	92.0	(1.0)	85.1	(1.6)	c	c	c	c	93.8	(0.7)	92.1	(1.0)	c	c	c	c
	Croatia	89.7	(1.4)	86.7	(0.7)	86.1	(1.5)	92.5	(1.8)	84.8	(1.5)	84.4	(0.8)	85.3	(1.7)	88.0	(2.5)
	Estonia	88.6	(2.2)	88.1	(0.8)	87.7	(1.2)	88.5	(1.5)	82.7	(2.5)	89.6	(0.7)	88.7	(1.2)	90.4	(1.6)
	Hong Kong-China	79.7	(2.2)	82.5	(0.8)	86.5	(1.1)	87.9	(1.3)	76.1	(2.4)	76.9	(1.1)	79.2	(1.5)	78.0	(1.8)
	Indonesia	93.0	(0.6)	92.4	(1.2)	c	c	c	c	83.5	(0.8)	88.1	(0.9)	c	c	c	c
	Israel	78.8	(1.1)	78.3	(1.5)	77.1	(2.4)	76.4	(4.2)	73.5	(1.3)	73.2	(1.4)	74.3	(2.0)	76.3	(3.2)
	Jordan	91.3	(0.7)	87.7	(0.8)	82.6	(2.8)	c	c	86.4	(0.8)	86.9	(0.8)	83.7	(3.4)	c	c
	Kyrgyzstan	93.6	(0.3)	89.9	(1.3)	c	c	c	c	89.2	(0.5)	87.3	(1.6)	c	c	c	c
	Latvia	89.4	(1.5)	91.6	(0.6)	90.8	(1.2)	89.9	(2.9)	85.1	(1.7)	85.6	(0.8)	87.8	(1.5)	86.7	(3.1)
	Liechtenstein	74.7	(7.3)	81.6	(2.9)	83.7	(5.8)	91.1	(5.4)	59.1	(8.8)	71.5	(4.1)	76.7	(5.7)	86.6	(6.5)
	Lithuania	93.6	(1.2)	95.3	(0.4)	95.9	(0.9)	97.2	(1.5)	86.0	(1.4)	87.7	(0.7)	91.6	(1.1)	92.8	(1.9)
	Macao-China	83.3	(2.5)	81.0	(1.0)	77.8	(1.6)	78.4	(3.4)	78.2	(2.9)	79.0	(0.9)	75.1	(1.8)	69.9	(3.9)
	Montenegro	90.6	(0.7)	84.0	(0.9)	85.6	(3.6)	c	c	87.0	(0.9)	82.3	(1.0)	78.7	(4.1)	c	c
	Qatar	81.8	(0.6)	82.3	(1.3)	c	c	c	c	75.9	(0.7)	78.9	(1.5)	c	c	c	c
	Romania	92.0	(1.0)	92.6	(1.1)	86.2	(3.6)	c	c	87.7	(1.0)	89.9	(1.2)	86.9	(2.4)	c	c
	Russian Federation	89.4	(1.2)	90.4	(0.7)	89.5	(1.1)	88.3	(3.4)	88.1	(1.0)	87.1	(0.9)	86.3	(1.4)	89.1	(2.7)
	Serbia	88.8	(1.0)	82.7	(0.9)	78.6	(2.9)	c	c	84.1	(0.9)	81.6	(0.8)	81.7	(2.6)	c	c
	Slovenia	84.6	(1.5)	84.4	(0.8)	87.6	(1.2)	89.9	(1.5)	81.7	(1.7)	82.0	(0.8)	84.5	(1.3)	87.2	(1.7)
	Chinese Taipei	87.4	(1.5)	90.0	(0.7)	87.4	(0.8)	86.5	(1.1)	83.7	(1.6)	86.2	(0.7)	82.6	(1.1)	82.7	(1.5)
	Thailand	96.6	(0.4)	98.3	(0.3)	98.7	(1.0)	c	c	94.7	(0.5)	97.1	(0.4)	96.6	(1.5)	c	c
	Tunisia	93.3	(0.6)	89.9	(0.8)	c	c	c	c	85.4	(0.8)	87.5	(0.9)	c	c	c	c
	Uruguay	84.5	(1.4)	85.6	(1.0)	89.8	(2.4)	c	c	85.3	(1.0)	87.1	(0.9)	89.9	(2.2)	c	c



[Part 2/2]

Table A3.13b Future-oriented motivation to learn science (underlying percentages), by performance group

	Percentage of students agreeing or strongly agreeing with the following statements																
	The subjects I study provide me with the basic skills and knowledge for a science-related career								My teachers equip me with the basic skills and knowledge I need for a science-related career								
	Lowest performers		Moderate performers		Strong performers		Top performers		Lowest performers		Moderate performers		Strong performers		Top performers		
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	
OECD	Australia	57.8	(1.6)	65.5	(0.7)	76.1	(1.0)	86.2	(1.0)	66.2	(1.7)	76.8	(0.6)	85.6	(0.9)	91.0	(0.9)
	Austria	60.9	(2.4)	55.7	(1.3)	65.2	(2.2)	70.4	(3.0)	58.4	(2.2)	57.0	(1.3)	65.6	(2.2)	69.8	(2.8)
	Belgium	57.7	(1.8)	58.2	(1.0)	66.9	(1.5)	77.9	(1.6)	59.0	(2.0)	62.2	(1.1)	71.5	(1.4)	80.9	(1.6)
	Canada	69.5	(2.1)	77.5	(0.8)	83.0	(1.0)	90.5	(1.1)	74.4	(2.1)	82.0	(0.8)	88.1	(1.0)	93.3	(0.9)
	Czech Republic	67.1	(3.0)	63.3	(1.5)	68.5	(2.2)	80.2	(2.2)	66.7	(2.7)	67.9	(1.4)	71.4	(2.0)	79.5	(2.6)
	Denmark	67.2	(2.2)	72.9	(1.0)	83.8	(1.9)	87.6	(2.8)	67.8	(1.9)	72.0	(1.1)	81.2	(1.9)	86.2	(2.9)
	Finland	75.0	(3.6)	82.9	(1.0)	88.0	(1.1)	90.4	(1.0)	71.3	(4.1)	82.2	(0.8)	84.4	(1.1)	87.2	(1.5)
	France	59.2	(2.0)	67.1	(1.3)	83.4	(1.4)	90.3	(1.8)	62.5	(1.8)	70.4	(1.3)	84.9	(1.6)	90.1	(2.0)
	Germany	64.1	(3.1)	70.7	(1.4)	77.2	(1.8)	80.1	(2.0)	62.6	(2.5)	69.4	(1.3)	73.1	(1.7)	76.7	(2.2)
	Greece	66.2	(1.9)	68.9	(1.3)	71.7	(2.4)	72.4	(4.7)	65.0	(1.7)	66.8	(1.2)	65.1	(2.7)	66.2	(5.0)
	Hungary	76.4	(2.6)	73.2	(1.1)	74.2	(2.1)	82.5	(3.3)	74.8	(2.1)	73.6	(1.1)	73.5	(1.8)	78.7	(3.2)
	Iceland	62.5	(1.7)	74.7	(1.1)	87.2	(2.0)	92.9	(2.4)	60.5	(2.0)	72.2	(0.9)	81.3	(1.9)	86.1	(2.6)
	Ireland	61.3	(2.2)	71.7	(1.2)	84.7	(1.6)	89.6	(1.6)	64.9	(2.1)	72.7	(1.3)	80.3	(1.8)	85.0	(2.1)
	Italy	67.9	(1.4)	63.5	(1.0)	68.1	(1.5)	76.2	(2.6)	72.0	(1.1)	66.8	(1.0)	68.8	(1.6)	73.8	(2.7)
	Japan	49.9	(2.6)	52.1	(1.4)	55.4	(2.3)	65.1	(2.2)	50.5	(2.0)	53.2	(1.5)	55.5	(1.9)	61.4	(2.2)
	Korea	62.4	(2.1)	67.1	(1.1)	70.2	(1.5)	73.0	(2.8)	71.7	(2.1)	69.4	(1.0)	67.4	(1.7)	68.6	(2.3)
	Luxembourg	67.0	(1.6)	63.5	(1.0)	65.1	(1.9)	64.4	(3.1)	65.1	(1.6)	60.7	(1.1)	64.5	(2.3)	65.9	(3.2)
	Mexico	87.3	(0.9)	86.0	(0.8)	91.0	(1.9)	c	c	86.4	(0.8)	84.2	(0.8)	87.9	(2.3)	c	c
	Netherlands	54.5	(2.8)	53.3	(1.3)	56.8	(1.7)	68.3	(2.1)	60.2	(2.9)	62.7	(1.5)	65.9	(1.7)	75.7	(2.3)
	New Zealand	63.4	(2.5)	68.7	(1.2)	79.8	(1.3)	89.0	(1.5)	69.7	(2.4)	77.3	(1.1)	85.4	(1.2)	91.4	(1.3)
	Norway	56.1	(2.1)	63.4	(1.0)	72.4	(2.0)	80.5	(3.0)	57.5	(2.2)	65.7	(1.2)	73.4	(2.0)	81.1	(2.7)
	Poland	81.2	(1.7)	80.0	(0.9)	78.9	(1.4)	82.2	(2.6)	80.3	(1.8)	77.3	(0.8)	75.0	(1.6)	76.5	(3.0)
	Portugal	80.9	(1.5)	76.5	(1.0)	81.9	(2.3)	90.1	(3.8)	79.9	(1.4)	77.3	(1.0)	81.9	(1.7)	89.7	(3.7)
	Slovak Republic	71.7	(2.0)	67.9	(1.6)	70.6	(2.0)	78.2	(3.6)	69.9	(2.1)	67.5	(1.4)	66.8	(2.3)	71.6	(3.3)
	Spain	69.4	(1.5)	71.2	(0.8)	80.4	(1.2)	87.0	(1.7)	71.7	(1.4)	73.3	(0.7)	79.5	(1.3)	82.7	(2.4)
	Sweden	63.0	(2.1)	72.7	(1.2)	79.0	(1.9)	85.7	(2.4)	64.9	(2.4)	73.6	(1.2)	75.8	(1.7)	77.5	(2.9)
	Switzerland	59.4	(2.0)	64.0	(1.2)	76.4	(1.7)	87.6	(2.1)	62.1	(1.8)	66.4	(1.1)	79.2	(1.4)	87.7	(1.3)
	Turkey	62.8	(1.5)	60.9	(1.8)	74.5	(4.7)	c	c	66.2	(1.1)	63.1	(1.6)	68.6	(4.5)	c	c
United Kingdom	65.5	(1.7)	74.4	(0.9)	82.7	(1.6)	91.8	(1.1)	72.4	(1.6)	82.6	(0.8)	88.4	(1.2)	93.8	(0.9)	
United States	73.9	(1.6)	79.7	(0.9)	85.4	(1.5)	90.1	(1.7)	76.7	(1.3)	85.2	(0.9)	89.4	(1.2)	92.1	(1.5)	
OECD average	65.4	(0.4)	68.6	(0.2)	75.5	(0.3)	82.1	(0.5)	67.1	(0.4)	70.9	(0.2)	75.8	(0.3)	80.7	(0.5)	
Partners	Argentina	76.7	(1.2)	71.2	(1.3)	76.9	(4.3)	c	c	77.5	(1.3)	75.1	(1.4)	78.3	(4.1)	c	c
	Azerbaijan	88.6	(0.8)	91.1	(1.2)	c	c	c	c	90.3	(0.7)	92.8	(0.8)	c	c	c	c
	Brazil	80.1	(0.8)	76.4	(1.3)	82.5	(2.9)	c	c	79.9	(0.9)	74.2	(1.3)	80.3	(3.4)	c	c
	Bulgaria	83.1	(1.3)	82.8	(1.1)	83.6	(1.9)	86.8	(3.4)	83.7	(1.3)	84.3	(1.0)	82.0	(2.5)	84.0	(3.7)
	Chile	78.0	(1.3)	76.3	(1.2)	82.1	(2.2)	c	c	76.1	(1.4)	74.4	(1.1)	80.6	(2.8)	c	c
	Colombia	86.2	(1.3)	80.7	(1.8)	c	c	c	c	85.6	(1.0)	80.4	(1.4)	c	c	c	c
	Croatia	82.0	(1.5)	79.4	(0.9)	82.8	(1.6)	88.9	(2.4)	82.4	(1.4)	80.6	(0.8)	79.5	(1.6)	82.7	(2.7)
	Estonia	78.5	(2.6)	86.2	(0.8)	88.2	(1.1)	92.3	(1.3)	75.8	(3.2)	82.2	(1.0)	80.3	(1.5)	84.2	(2.1)
	Hong Kong-China	65.2	(3.1)	63.0	(1.2)	67.0	(1.5)	74.9	(2.0)	76.1	(2.5)	75.6	(1.0)	77.2	(1.3)	81.2	(1.7)
	Indonesia	87.4	(1.0)	86.8	(2.0)	c	c	c	c	91.2	(0.7)	89.6	(1.2)	c	c	c	c
	Israel	63.0	(1.6)	64.5	(1.6)	67.2	(2.4)	75.9	(4.0)	62.3	(1.6)	63.0	(1.7)	65.2	(2.6)	69.4	(3.6)
	Jordan	84.9	(0.9)	90.2	(0.9)	91.9	(1.7)	c	c	82.3	(1.1)	86.2	(0.8)	88.6	(2.2)	c	c
	Kyrgyzstan	88.5	(0.6)	85.2	(1.8)	c	c	c	c	91.6	(0.4)	88.2	(1.3)	c	c	c	c
	Latvia	82.0	(2.0)	84.0	(1.0)	87.1	(1.8)	89.4	(2.6)	82.6	(1.8)	84.0	(0.8)	86.1	(1.4)	85.9	(3.0)
	Liechtenstein	65.6	(7.4)	67.0	(3.9)	74.3	(5.1)	80.4	(7.4)	56.2	(7.6)	70.2	(3.8)	81.4	(4.9)	86.5	(6.0)
	Lithuania	85.2	(1.4)	89.3	(0.7)	93.0	(1.2)	94.7	(1.5)	84.4	(1.3)	87.9	(0.9)	90.0	(1.5)	93.7	(1.9)
	Macao-China	73.8	(2.6)	69.4	(1.1)	68.0	(2.2)	67.8	(4.3)	76.3	(2.2)	72.2	(1.0)	68.1	(1.9)	70.1	(3.7)
	Montenegro	84.9	(1.0)	82.2	(1.1)	83.7	(3.9)	c	c	87.6	(0.8)	82.7	(1.0)	86.1	(3.9)	c	c
	Qatar	74.8	(0.7)	80.7	(1.5)	c	c	c	c	72.2	(0.7)	76.1	(1.5)	c	c	c	c
	Romania	84.0	(1.2)	84.3	(1.1)	87.7	(3.1)	c	c	83.4	(1.3)	84.0	(1.2)	82.0	(3.2)	c	c
	Russian Federation	82.7	(1.3)	84.5	(0.9)	84.5	(1.6)	85.8	(2.9)	83.3	(1.4)	84.5	(0.7)	86.4	(1.5)	88.4	(2.2)
	Serbia	83.6	(1.1)	75.9	(0.9)	77.4	(2.8)	c	c	84.8	(1.0)	74.6	(1.1)	72.1	(2.8)	c	c
	Slovenia	73.9	(2.0)	75.5	(1.1)	81.0	(1.8)	83.9	(2.2)	77.9	(1.9)	78.7	(1.1)	83.9	(1.6)	83.6	(2.5)
	Chinese Taipei	84.0	(1.5)	88.0	(0.7)	86.5	(1.0)	87.5	(1.3)	86.2	(1.4)	88.7	(0.7)	86.5	(1.0)	87.4	(1.2)
	Thailand	93.7	(0.5)	95.3	(0.5)	97.0	(1.8)	c	c	95.1	(0.7)	95.4	(0.4)	96.2	(1.9)	c	c
	Tunisia	83.0	(1.0)	83.9	(1.1)	c	c	c	c	80.7	(0.8)	82.7	(1.2)	c	c	c	c
	Uruguay	77.8	(1.2)	75.8	(1.2)	80.4	(2.7)	c	c	78.6	(1.2)	76.2	(1.3)	79.8	(2.6)	c	c

[Part 1/1]

Table A3.14a Student information on science-related careers (mean index), by performance group

	Index of student information on science-related careers									
	Lowest performers		Moderate performers		Strong performers		Top performers		Difference in the mean index between strong performers and top performers	
	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Dif.	S.E.
<i>OECD</i>	Australia	-0.06 (0.04)	0.08 (0.02)	0.29 (0.02)	0.48 (0.03)	-0.18 (0.04)				
	Austria	-0.05 (0.05)	-0.15 (0.02)	-0.05 (0.03)	-0.05 (0.05)	0.00 (0.06)				
	Belgium	-0.15 (0.05)	-0.25 (0.02)	-0.25 (0.02)	-0.21 (0.03)	-0.04 (0.04)				
	Canada	0.18 (0.05)	0.23 (0.02)	0.32 (0.02)	0.44 (0.04)	-0.13 (0.05)				
	Czech Republic	-0.11 (0.05)	-0.11 (0.03)	-0.11 (0.05)	-0.03 (0.05)	-0.07 (0.08)				
	Denmark	-0.14 (0.05)	-0.17 (0.03)	0.03 (0.04)	0.13 (0.08)	-0.10 (0.09)				
	Finland	0.10 (0.10)	0.09 (0.02)	0.13 (0.03)	0.21 (0.03)	-0.09 (0.06)				
	France	-0.09 (0.05)	-0.06 (0.02)	0.15 (0.04)	0.23 (0.06)	-0.08 (0.08)				
	Germany	-0.11 (0.06)	0.01 (0.02)	0.06 (0.03)	0.14 (0.05)	-0.08 (0.07)				
	Greece	0.28 (0.04)	0.33 (0.03)	0.43 (0.05)	0.45 (0.10)	-0.02 (0.11)				
	Hungary	0.07 (0.04)	-0.06 (0.02)	-0.05 (0.03)	0.04 (0.06)	-0.09 (0.07)				
	Iceland	-0.34 (0.04)	-0.09 (0.02)	0.15 (0.04)	0.32 (0.06)	-0.17 (0.07)				
	Ireland	-0.07 (0.06)	-0.06 (0.02)	0.08 (0.04)	0.22 (0.07)	-0.13 (0.09)				
	Italy	0.08 (0.03)	0.07 (0.01)	0.05 (0.02)	0.06 (0.05)	-0.01 (0.06)				
	Japan	-0.42 (0.05)	-0.41 (0.02)	-0.37 (0.03)	-0.34 (0.03)	-0.02 (0.04)				
	Korea	-0.41 (0.05)	-0.39 (0.02)	-0.27 (0.03)	-0.10 (0.06)	-0.17 (0.06)				
	Luxembourg	-0.06 (0.04)	-0.14 (0.02)	-0.05 (0.03)	-0.05 (0.07)	0.00 (0.08)				
	Mexico	-0.40 (0.04)	-0.51 (0.03)	-0.14 (0.08)	c	c	c	c		
	Netherlands	-0.28 (0.08)	-0.46 (0.03)	-0.32 (0.03)	-0.03 (0.04)	-0.29 (0.05)				
	New Zealand	0.07 (0.05)	0.07 (0.03)	0.17 (0.04)	0.32 (0.04)	-0.15 (0.05)				
	Norway	-0.06 (0.05)	-0.14 (0.02)	-0.14 (0.04)	0.02 (0.06)	-0.16 (0.08)				
	Poland	0.36 (0.04)	0.29 (0.02)	0.29 (0.04)	0.39 (0.07)	-0.10 (0.09)				
	Portugal	0.31 (0.04)	0.41 (0.02)	0.50 (0.04)	0.48 (0.09)	0.02 (0.10)				
	Slovak Republic	0.07 (0.05)	-0.08 (0.03)	-0.07 (0.05)	-0.01 (0.06)	-0.06 (0.08)				
	Spain	-0.16 (0.04)	-0.02 (0.02)	0.20 (0.03)	0.24 (0.05)	-0.04 (0.06)				
	Sweden	-0.22 (0.06)	-0.14 (0.03)	-0.08 (0.04)	-0.05 (0.06)	-0.02 (0.07)				
	Switzerland	0.00 (0.04)	-0.02 (0.02)	0.13 (0.03)	0.18 (0.05)	-0.05 (0.06)				
	Turkey	0.02 (0.04)	0.41 (0.04)	1.03 (0.07)	c	c	c	c		
United Kingdom	-0.02 (0.04)	-0.04 (0.02)	-0.02 (0.03)	0.17 (0.04)	-0.19 (0.05)					
United States	0.37 (0.05)	0.32 (0.03)	0.35 (0.04)	0.43 (0.07)	-0.07 (0.09)					
OECD average	-0.03 (0.01)	-0.03 (0.00)	0.06 (0.01)	0.15 (0.01)	-0.09 (0.01)					
<i>Partners</i>	Argentina	-0.45 (0.05)	-0.54 (0.04)	-0.42 (0.10)	c	c	c	c		
	Azerbaijan	0.35 (0.03)	0.39 (0.04)	c	c	c	c	c		
	Bulgaria	0.30 (0.04)	0.21 (0.03)	0.21 (0.05)	0.23 (0.10)	-0.02 (0.11)				
	Brazil	0.37 (0.02)	0.24 (0.03)	0.47 (0.08)	c	c	c	c		
	Chile	0.23 (0.03)	0.25 (0.03)	0.38 (0.06)	c	c	c	c		
	Colombia	0.00 (0.04)	-0.06 (0.04)	c	c	c	c	c		
	Croatia	0.01 (0.03)	-0.02 (0.02)	0.12 (0.03)	0.27 (0.07)	-0.14 (0.08)				
	Estonia	0.24 (0.06)	0.04 (0.02)	-0.13 (0.03)	-0.16 (0.04)	0.03 (0.05)				
	Hong Kong-China	0.24 (0.07)	0.22 (0.02)	0.22 (0.03)	0.25 (0.03)	-0.03 (0.05)				
	Indonesia	0.37 (0.02)	0.30 (0.04)	c	c	c	c	c		
	Israel	0.17 (0.04)	0.17 (0.04)	0.29 (0.06)	0.31 (0.08)	-0.03 (0.09)				
	Jordan	0.44 (0.03)	0.45 (0.03)	0.38 (0.09)	c	c	c	c		
	Kyrgyzstan	0.29 (0.02)	0.35 (0.04)	c	c	c	c	c		
	Latvia	0.26 (0.04)	0.03 (0.02)	-0.04 (0.04)	0.00 (0.08)	-0.04 (0.09)				
	Liechtenstein	0.00 (0.13)	0.16 (0.07)	0.10 (0.12)	-0.07 (0.18)	0.17 (0.24)				
	Lithuania	0.16 (0.02)	0.22 (0.02)	0.30 (0.04)	0.37 (0.07)	-0.06 (0.09)				
	Macao-China	-0.10 (0.05)	-0.14 (0.02)	-0.11 (0.03)	0.00 (0.10)	-0.11 (0.12)				
	Montenegro	0.08 (0.02)	-0.13 (0.02)	-0.16 (0.09)	c	c	c	c		
	Qatar	0.52 (0.02)	0.65 (0.04)	c	c	c	c	c		
	Romania	0.15 (0.03)	-0.03 (0.03)	0.06 (0.08)	c	c	c	c		
	Russian Federation	0.46 (0.03)	0.37 (0.02)	0.39 (0.05)	0.41 (0.06)	-0.02 (0.09)				
	Serbia	0.23 (0.03)	0.05 (0.02)	0.19 (0.07)	c	c	c	c		
Slovenia	0.20 (0.04)	-0.01 (0.02)	0.00 (0.03)	0.06 (0.05)	-0.06 (0.07)					
Chinese Taipei	-0.11 (0.05)	-0.01 (0.02)	0.14 (0.02)	0.23 (0.03)	-0.09 (0.04)					
Thailand	0.27 (0.02)	0.23 (0.02)	0.42 (0.06)	c	c	c	c			
Tunisia	0.41 (0.03)	0.42 (0.03)	c	c	c	c	c			
Uruguay	-0.19 (0.05)	-0.28 (0.03)	-0.17 (0.07)	c	c	c	c			

Note: Values that are statistically significant are indicated in bold (see Annex B).



[Part 1/2]

Table A3.14b Student information on science-related careers (underlying percentages), by performance group

	Percentage of students who reported that they were very well informed or fairly informed about the following topics																
	Science-related careers that are available in the job market								Where to find information about science-related careers								
	Lowest performers		Moderate performers		Strong performers		Top performers		Lowest performers		Moderate performers		Strong performers		Top performers		
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	
OECD	Australia	49.4	(1.6)	53.5	(0.7)	64.3	(1.2)	72.0	(1.3)	50.2	(1.7)	57.0	(0.8)	64.7	(1.2)	73.3	(1.3)
	Austria	43.7	(2.0)	40.6	(1.0)	44.3	(1.9)	43.4	(3.0)	44.1	(2.2)	43.9	(1.0)	51.5	(2.2)	53.3	(3.2)
	Belgium	43.3	(1.8)	39.2	(0.9)	44.0	(1.4)	47.6	(2.5)	43.6	(1.7)	42.1	(1.0)	41.2	(1.3)	42.5	(2.0)
	Canada	57.8	(1.7)	60.3	(0.9)	65.8	(1.2)	72.5	(1.4)	57.3	(2.0)	61.1	(0.7)	63.8	(1.1)	68.8	(1.4)
	Czech Republic	43.5	(3.2)	40.5	(1.5)	36.3	(1.8)	37.0	(2.1)	48.4	(2.6)	58.8	(1.4)	63.2	(2.4)	65.5	(2.5)
	Denmark	39.0	(2.2)	35.6	(1.2)	47.0	(2.2)	50.1	(4.3)	43.8	(2.4)	44.9	(1.2)	53.2	(1.9)	58.2	(3.6)
	Finland	54.2	(4.2)	46.1	(1.2)	45.8	(1.9)	49.3	(2.4)	60.8	(4.7)	62.0	(1.2)	66.4	(1.7)	67.9	(1.7)
	France	45.1	(2.0)	43.2	(1.2)	52.0	(2.3)	55.7	(3.3)	46.3	(2.0)	52.2	(1.3)	60.7	(2.5)	62.3	(3.1)
	Germany	41.2	(2.5)	44.8	(1.3)	46.6	(1.9)	51.6	(2.2)	44.2	(3.0)	55.5	(1.1)	61.2	(1.7)	62.2	(2.7)
	Greece	65.8	(2.1)	64.5	(1.2)	70.4	(2.2)	72.5	(3.9)	59.7	(2.1)	64.0	(1.1)	68.2	(2.9)	65.5	(4.7)
	Hungary	41.8	(2.8)	26.7	(1.2)	26.3	(1.8)	33.2	(3.3)	52.1	(2.2)	53.0	(1.1)	53.9	(1.8)	56.8	(3.0)
	Iceland	28.8	(1.8)	37.5	(1.2)	51.3	(2.0)	61.6	(3.5)	36.9	(1.9)	44.1	(1.1)	51.4	(2.3)	53.4	(3.7)
	Ireland	47.6	(2.3)	50.3	(1.1)	58.6	(1.9)	64.8	(3.3)	51.0	(2.2)	52.3	(1.2)	57.9	(1.7)	61.6	(2.8)
	Italy	48.7	(1.4)	54.2	(0.8)	60.5	(1.5)	64.0	(2.9)	46.5	(1.2)	51.0	(0.7)	52.4	(2.1)	53.2	(3.3)
	Japan	32.3	(1.7)	27.5	(1.0)	27.1	(1.3)	28.5	(1.9)	29.1	(1.9)	27.4	(1.0)	31.3	(1.5)	32.9	(2.0)
	Korea	34.0	(2.6)	30.6	(1.2)	36.7	(1.8)	46.1	(2.9)	34.8	(2.4)	40.8	(1.0)	45.7	(1.8)	48.4	(3.9)
	Luxembourg	42.5	(1.7)	39.6	(1.1)	44.4	(1.9)	44.2	(4.1)	45.6	(1.7)	40.9	(1.0)	44.0	(2.0)	41.5	(4.2)
	Mexico	26.7	(1.4)	20.0	(0.9)	38.7	(4.0)	c	c	35.9	(1.2)	36.0	(1.0)	53.1	(3.4)	c	c
	Netherlands	39.7	(2.9)	31.6	(1.2)	38.2	(1.5)	49.5	(2.6)	43.4	(3.6)	41.6	(1.1)	47.8	(1.8)	58.2	(2.5)
	New Zealand	52.3	(2.2)	50.6	(1.3)	58.2	(1.9)	66.1	(1.9)	53.8	(2.6)	57.9	(1.3)	62.6	(2.1)	69.3	(2.1)
	Norway	44.7	(2.2)	39.6	(1.3)	40.3	(2.0)	48.6	(3.3)	48.3	(1.8)	42.9	(1.1)	41.8	(2.4)	47.7	(4.5)
	Poland	66.0	(1.8)	61.8	(1.1)	62.9	(1.9)	69.7	(3.3)	64.0	(2.3)	64.5	(1.0)	62.8	(1.7)	67.1	(2.6)
	Portugal	64.3	(1.6)	72.5	(1.0)	79.7	(1.8)	82.2	(4.4)	57.3	(1.8)	67.2	(1.0)	70.4	(1.9)	70.1	(4.7)
	Slovak Republic	53.6	(2.2)	45.7	(1.4)	43.3	(2.2)	47.6	(2.7)	53.8	(2.3)	56.4	(1.3)	60.0	(2.2)	64.8	(3.1)
	Spain	37.0	(1.7)	40.8	(0.8)	54.5	(1.6)	60.3	(3.4)	42.9	(1.8)	49.2	(0.9)	56.0	(1.5)	57.9	(2.8)
	Sweden	42.6	(3.0)	43.8	(1.4)	46.4	(2.1)	49.0	(3.0)	44.3	(2.6)	43.0	(1.3)	43.0	(1.9)	42.9	(3.1)
	Switzerland	45.2	(2.2)	43.3	(1.0)	49.2	(1.7)	50.4	(2.2)	49.8	(2.2)	56.2	(0.9)	67.1	(1.1)	67.0	(2.0)
	Turkey	54.4	(1.4)	67.3	(1.5)	88.6	(2.2)	c	c	56.8	(1.5)	73.6	(1.3)	90.2	(2.4)	c	c
United Kingdom	47.7	(2.0)	45.7	(1.0)	49.0	(1.4)	57.6	(1.7)	51.7	(2.0)	51.6	(1.1)	54.3	(1.6)	63.3	(2.0)	
United States	63.4	(2.1)	62.9	(1.2)	67.5	(1.8)	71.9	(3.1)	65.5	(2.0)	64.3	(1.2)	65.1	(2.1)	66.4	(3.5)	
OECD average	47.0	(0.4)	45.5	(0.2)	50.4	(0.3)	55.2	(0.6)	48.9	(0.4)	51.6	(0.2)	55.8	(0.4)	58.6	(0.6)	
Partners	Argentina	28.5	(1.7)	25.7	(1.5)	33.7	(4.8)	c	c	36.5	(1.7)	39.0	(1.8)	46.0	(7.2)	c	c
	Azerbaijan	59.0	(1.4)	58.6	(1.9)	c	c	c	c	56.7	(1.6)	59.3	(2.0)	c	c	c	c
	Brazil	66.3	(1.1)	64.8	(1.4)	74.9	(4.1)	c	c	61.6	(1.1)	60.7	(1.3)	72.7	(3.6)	c	c
	Bulgaria	54.0	(1.6)	45.2	(1.3)	42.2	(2.9)	47.1	(5.9)	56.1	(1.7)	58.0	(1.3)	61.2	(2.4)	65.4	(4.7)
	Chile	49.7	(1.6)	52.1	(1.4)	58.2	(3.0)	c	c	58.8	(1.1)	63.1	(1.3)	67.9	(2.6)	c	c
	Colombia	26.5	(1.8)	29.3	(1.5)	c	c	c	c	40.5	(2.1)	47.7	(1.9)	c	c	c	c
	Croatia	40.0	(2.0)	37.6	(1.1)	45.9	(1.9)	52.8	(3.7)	49.3	(2.0)	52.4	(1.0)	58.1	(1.8)	63.5	(3.8)
	Estonia	54.0	(3.1)	37.7	(1.4)	30.8	(1.8)	31.2	(2.5)	62.4	(3.3)	56.1	(1.3)	48.9	(1.9)	49.9	(2.6)
	Hong Kong-China	58.4	(3.9)	65.0	(1.4)	69.1	(1.8)	75.3	(1.6)	62.7	(2.7)	67.9	(1.1)	70.1	(1.6)	67.7	(2.2)
	Indonesia	54.4	(1.2)	54.3	(2.0)	c	c	c	c	58.2	(1.0)	57.4	(2.0)	c	c	c	c
	Israel	62.5	(1.5)	59.4	(1.4)	66.4	(2.8)	66.9	(3.6)	56.3	(1.4)	58.6	(1.4)	62.4	(2.4)	61.1	(3.7)
	Jordan	67.0	(1.3)	66.3	(1.1)	69.4	(3.8)	c	c	65.6	(1.1)	67.5	(1.2)	65.6	(3.1)	c	c
	Kyrgyzstan	54.9	(1.0)	51.0	(2.3)	c	c	c	c	50.5	(1.1)	59.8	(2.3)	c	c	c	c
	Latvia	54.6	(2.7)	41.1	(1.3)	36.9	(2.2)	43.2	(4.8)	58.2	(2.4)	52.1	(1.1)	51.3	(2.2)	52.1	(3.6)
	Liechtenstein	45.7	(7.6)	46.9	(3.7)	51.8	(6.1)	38.2	(9.5)	40.7	(7.2)	59.2	(3.5)	64.3	(6.1)	57.2	(9.1)
	Lithuania	47.4	(1.8)	53.1	(1.1)	61.3	(1.7)	67.4	(2.9)	61.7	(1.7)	70.2	(1.0)	71.9	(2.3)	72.0	(4.3)
	Macao-China	53.1	(3.6)	52.9	(1.2)	57.6	(1.9)	59.3	(3.9)	49.0	(2.7)	51.6	(1.0)	56.3	(2.2)	60.4	(5.3)
	Montenegro	44.2	(1.2)	36.5	(1.2)	42.2	(5.2)	c	c	46.9	(1.3)	38.6	(1.2)	34.5	(4.9)	c	c
	Qatar	73.0	(0.6)	72.7	(1.2)	c	c	c	c	68.3	(0.6)	74.6	(1.4)	c	c	c	c
	Romania	47.7	(1.7)	36.5	(1.9)	41.6	(5.2)	c	c	46.1	(1.4)	49.6	(1.4)	59.9	(4.1)	c	c
	Russian Federation	59.9	(2.2)	54.2	(1.1)	49.5	(2.2)	47.7	(3.7)	64.8	(1.5)	63.6	(1.3)	64.1	(2.5)	64.0	(4.4)
	Serbia	48.3	(1.4)	39.9	(1.0)	47.3	(4.3)	c	c	46.9	(1.3)	44.8	(1.1)	57.4	(3.4)	c	c
	Slovenia	52.2	(2.3)	39.0	(1.2)	39.4	(1.7)	44.0	(3.0)	58.2	(2.3)	52.4	(1.0)	54.2	(1.8)	56.2	(2.4)
	Chinese Taipei	48.5	(2.6)	53.7	(1.1)	64.0	(1.5)	72.7	(1.5)	50.2	(2.0)	66.7	(0.9)	75.5	(1.2)	75.8	(1.4)
	Thailand	64.1	(1.3)	60.1	(1.3)	68.4	(4.5)	c	c	64.8	(1.2)	71.0	(1.0)	75.5	(4.4)	c	c
	Tunisia	62.5	(1.3)	62.2	(1.4)	c	c	c	c	59.3	(1.2)	56.8	(1.7)	c	c	c	c
	Uruguay	34.0	(1.9)	26.0	(1.2)	34.5	(3.7)	c	c	46.8	(1.4)	48.4	(1.2)	54.6	(3.1)	c	c

[Part 2/2]

Table A3.14b Student information on science-related careers (underlying percentages), by performance group

	Percentage of students who reported that they were very well informed or fairly informed about the following topics																
	The steps a student needs to take if they want a science-related a career				Employers or companies that hire people to work in science-related careers												
	Lowest performers		Moderate performers		Strong performers		Top performers		Lowest performers		Moderate performers		Strong performers		Top performers		
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	
OECD	Australia	51.3	(1.6)	55.0	(0.9)	61.3	(1.2)	68.8	(1.2)	46.3	(1.9)	39.8	(0.8)	40.2	(1.2)	41.7	(1.6)
	Austria	48.5	(2.7)	40.9	(1.0)	44.1	(1.9)	45.6	(3.6)	43.2	(2.3)	33.3	(1.0)	32.0	(1.7)	27.8	(2.3)
	Belgium	49.9	(2.1)	42.4	(0.9)	40.2	(1.2)	41.9	(1.9)	41.9	(1.8)	29.4	(0.8)	23.5	(1.1)	20.6	(1.5)
	Canada	57.2	(2.0)	58.6	(0.9)	61.2	(1.0)	67.7	(1.8)	48.8	(1.9)	43.8	(0.9)	38.9	(1.4)	40.0	(2.2)
	Czech Republic	48.4	(2.4)	47.2	(1.4)	48.8	(2.3)	54.2	(2.1)	42.7	(2.9)	36.1	(1.3)	35.8	(2.0)	33.3	(2.5)
	Denmark	43.2	(2.2)	42.0	(1.3)	50.7	(2.0)	58.1	(4.2)	40.1	(2.3)	30.1	(1.0)	31.2	(1.9)	34.0	(3.6)
	Finland	61.2	(4.9)	56.4	(1.3)	57.7	(2.0)	64.3	(1.9)	53.5	(4.4)	43.0	(1.4)	40.6	(1.7)	40.4	(1.7)
	France	50.7	(2.0)	58.7	(1.1)	70.1	(1.7)	71.2	(2.4)	41.7	(1.8)	28.3	(1.1)	24.7	(1.8)	28.0	(2.9)
	Germany	45.0	(2.0)	45.7	(1.3)	46.3	(2.4)	50.3	(2.2)	39.7	(2.3)	37.4	(1.4)	35.2	(2.0)	36.0	(2.5)
	Greece	61.8	(1.8)	67.8	(1.2)	72.6	(2.2)	71.5	(3.9)	52.7	(2.2)	47.5	(1.4)	44.7	(2.7)	46.2	(4.9)
	Hungary	52.3	(2.1)	54.5	(1.3)	57.7	(2.0)	61.7	(3.4)	45.8	(2.8)	39.3	(1.2)	38.7	(1.8)	39.8	(3.7)
	Iceland	36.9	(2.0)	50.5	(1.3)	64.2	(2.1)	74.0	(3.4)	30.7	(2.0)	32.6	(1.0)	38.2	(2.1)	41.4	(3.5)
	Ireland	52.3	(2.6)	48.3	(1.3)	49.5	(2.2)	56.5	(3.8)	42.0	(2.7)	33.2	(1.1)	32.3	(2.0)	35.8	(3.5)
	Italy	56.5	(1.5)	56.1	(1.3)	53.9	(1.5)	54.3	(2.5)	44.8	(1.3)	35.5	(0.8)	28.0	(1.1)	25.2	(2.6)
	Japan	32.6	(2.6)	30.6	(1.3)	32.5	(1.4)	36.3	(2.1)	32.6	(2.1)	27.1	(0.9)	24.2	(1.3)	21.8	(1.7)
	Korea	28.8	(2.4)	26.1	(1.3)	31.6	(1.7)	43.0	(4.0)	23.2	(2.2)	21.9	(1.0)	27.0	(1.4)	31.1	(3.1)
	Luxembourg	48.7	(1.9)	49.8	(1.3)	53.2	(1.9)	54.0	(3.6)	43.8	(1.5)	32.2	(1.1)	29.1	(2.0)	27.9	(2.9)
	Mexico	34.9	(1.2)	25.6	(1.3)	33.9	(4.0)	c	c	32.0	(1.1)	24.2	(0.9)	27.9	(2.4)	c	c
	Netherlands	36.3	(3.2)	29.0	(1.3)	31.8	(1.9)	44.7	(2.4)	37.3	(2.8)	27.7	(1.2)	26.7	(2.0)	35.3	(2.7)
	New Zealand	53.0	(2.4)	53.8	(1.3)	56.0	(1.8)	61.5	(2.1)	47.1	(2.3)	38.8	(1.3)	35.2	(1.9)	35.5	(1.9)
	Norway	46.8	(2.1)	43.8	(1.3)	45.4	(2.0)	57.1	(3.2)	42.1	(2.3)	32.9	(1.3)	30.5	(1.9)	35.0	(2.9)
	Poland	62.8	(2.2)	58.6	(1.3)	57.6	(2.0)	62.2	(3.0)	54.9	(2.5)	47.4	(1.2)	43.5	(1.7)	44.5	(3.2)
	Portugal	62.3	(1.7)	68.3	(1.3)	74.0	(2.1)	75.5	(3.4)	56.6	(1.9)	51.1	(1.2)	46.7	(2.9)	36.2	(5.9)
	Slovak Republic	48.2	(2.5)	42.8	(1.3)	38.9	(1.9)	41.2	(3.1)	45.6	(2.4)	38.6	(1.2)	37.3	(2.3)	39.1	(3.9)
	Spain	45.7	(1.9)	58.5	(1.3)	70.3	(1.6)	72.0	(2.7)	33.9	(1.7)	28.4	(0.7)	27.7	(1.4)	25.5	(2.5)
	Sweden	49.1	(2.7)	51.3	(1.3)	55.2	(2.2)	64.5	(3.5)	37.5	(2.4)	34.5	(1.4)	29.4	(1.6)	29.6	(2.7)
	Switzerland	47.6	(1.9)	46.9	(1.3)	49.5	(1.8)	56.6	(2.5)	43.8	(1.9)	36.9	(1.0)	35.8	(1.4)	35.2	(2.3)
	Turkey	50.9	(1.5)	63.1	(1.3)	82.9	(2.9)	c	c	48.1	(1.6)	50.3	(1.4)	66.6	(3.6)	c	c
United Kingdom	48.3	(2.1)	49.5	(1.3)	48.2	(1.6)	58.8	(2.1)	43.7	(1.7)	37.7	(1.0)	30.9	(1.2)	34.2	(1.9)	
United States	62.3	(1.8)	59.9	(1.3)	59.4	(1.7)	59.6	(3.2)	59.1	(2.0)	50.4	(1.3)	45.4	(2.0)	44.6	(2.7)	
OECD average	49.6	(0.4)	49.8	(1.3)	52.9	(0.4)	58.1	(0.6)	43.4	(0.4)	36.2	(0.2)	34.0	(0.3)	34.5	(0.6)	
Partners	Argentina	36.4	(1.4)	30.7	(1.3)	33.6	(5.3)	c	c	34.3	(1.7)	24.4	(1.6)	20.0	(4.5)	c	c
	Azerbaijan	61.7	(1.2)	68.0	(1.3)	c	c	c	c	50.4	(1.4)	51.7	(1.8)	c	c	c	c
	Brazil	62.0	(1.1)	55.6	(1.3)	63.6	(4.1)	c	c	54.0	(1.1)	46.4	(1.4)	48.6	(4.0)	c	c
	Bulgaria	60.8	(1.7)	62.8	(1.3)	64.0	(2.8)	63.5	(5.0)	57.3	(1.4)	56.6	(1.2)	54.5	(2.5)	51.8	(5.3)
	Chile	56.0	(1.4)	52.5	(1.3)	59.1	(3.3)	c	c	51.8	(1.3)	49.5	(1.3)	52.2	(3.2)	c	c
	Colombia	48.5	(2.0)	43.5	(1.3)	c	c	c	c	36.6	(2.0)	30.0	(2.0)	c	c	c	c
	Croatia	49.4	(1.8)	47.8	(1.3)	56.0	(1.8)	62.9	(3.5)	44.8	(2.1)	38.7	(0.9)	41.6	(1.8)	48.1	(4.1)
	Estonia	56.4	(3.8)	54.9	(1.3)	51.5	(2.0)	49.5	(2.6)	52.6	(3.3)	42.7	(1.2)	31.9	(1.7)	26.5	(2.2)
	Hong Kong-China	58.9	(4.2)	52.8	(1.3)	51.0	(1.5)	51.1	(1.8)	54.9	(3.3)	44.0	(1.3)	41.3	(1.6)	39.2	(2.0)
	Indonesia	66.2	(1.0)	64.6	(1.3)	c	c	c	c	59.1	(1.1)	52.9	(2.4)	c	c	c	c
	Israel	58.1	(1.6)	60.8	(1.3)	64.0	(2.6)	64.6	(4.3)	51.8	(1.5)	49.4	(1.4)	46.0	(2.3)	42.3	(3.9)
	Jordan	65.6	(1.4)	68.7	(1.3)	62.4	(3.2)	c	c	59.8	(1.3)	56.6	(1.3)	47.2	(3.8)	c	c
	Kyrgyzstan	68.7	(1.0)	70.5	(1.3)	c	c	c	c	54.4	(0.9)	57.5	(2.1)	c	c	c	c
	Latvia	57.7	(2.5)	54.9	(1.3)	54.4	(2.4)	56.7	(4.3)	52.8	(2.2)	40.4	(1.4)	31.8	(2.2)	30.1	(3.6)
	Liechtenstein	54.1	(7.8)	50.4	(1.3)	44.7	(5.8)	42.5	(9.4)	44.7	(7.9)	44.9	(3.6)	34.3	(5.9)	32.5	(10.1)
	Lithuania	59.2	(1.8)	64.4	(1.3)	65.8	(2.0)	70.6	(3.2)	45.8	(1.6)	39.0	(1.0)	36.6	(1.9)	36.3	(3.7)
	Macao-China	43.6	(2.8)	39.8	(1.3)	37.3	(2.2)	43.7	(5.5)	39.2	(2.9)	30.8	(0.9)	26.9	(2.0)	28.1	(4.3)
	Montenegro	54.8	(1.2)	47.2	(1.3)	43.2	(5.2)	c	c	45.3	(1.2)	38.6	(1.3)	35.0	(4.4)	c	c
	Qatar	64.1	(0.7)	73.0	(1.3)	c	c	c	c	58.7	(0.6)	58.3	(1.7)	c	c	c	c
	Romania	53.7	(2.0)	46.6	(1.3)	47.2	(4.7)	c	c	48.3	(1.4)	38.1	(1.5)	35.9	(4.7)	c	c
	Russian Federation	68.0	(1.5)	63.9	(1.3)	66.3	(2.8)	71.7	(3.4)	63.6	(1.9)	59.0	(1.2)	60.8	(2.9)	61.9	(4.4)
	Serbia	58.3	(1.2)	52.9	(1.3)	59.6	(3.3)	c	c	52.1	(1.2)	44.7	(0.9)	44.7	(3.6)	c	c
	Slovenia	54.8	(1.9)	48.3	(1.3)	49.8	(1.8)	51.8	(2.8)	49.1	(2.9)	38.7	(1.1)	35.4	(1.9)	34.2	(2.9)
Chinese Taipei	41.4	(2.3)	38.5	(1.3)	36.1	(1.2)	37.5	(1.6)	34.0	(2.0)	30.0	(0.9)	31.9	(1.2)	36.6	(1.8)	
Thailand	62.2	(1.2)	62.1	(1.3)	71.8	(3.5)	c	c	52.4	(1.3)	46.2	(1.1)	52.5	(4.6)	c	c	
Tunisia	62.6	(1.2)	66.5	(1.3)	c	c	c	c	55.2	(1.1)	51.1	(1.6)	c	c	c	c	
Uruguay	49.2	(1.7)	50.5	(1.3)	59.9	(3.3)	c	c	38.1	(1.7)	29.0	(1.0)	26.3	(2.8)	c	c	



[Part 1/4]

Table A3.15 Proportion of relatively unmotivated top performers and their characteristics, by country

	Relatively unmotivated top performers (top performers in science who reported motivation levels below the average motivation of science strong performers in the index of future-oriented science motivation)		PISA index of economic, social and cultural status							
			Relatively motivated top performers		Relatively unmotivated top performers		Difference in the index (motivated – unmotivated)			
			%	S.E.	Mean index	S.E.	Mean index	S.E.	Dif.	S.E.
OECD										
Australia	35.2	(1.30)	0.61	(0.03)	0.58	(0.03)	0.03	(0.04)		
Austria	37.6	(3.19)	0.66	(0.06)	0.53	(0.07)	0.12	(0.09)		
Belgium	31.9	(1.96)	0.78	(0.05)	0.67	(0.06)	0.11	(0.07)		
Canada	34.4	(1.61)	0.74	(0.03)	0.63	(0.04)	0.10	(0.05)		
Czech Republic	26.2	(2.25)	0.60	(0.04)	0.51	(0.07)	0.09	(0.07)		
Denmark	41.5	(3.85)	1.03	(0.08)	c	c	c	c		
Finland	23.8	(1.83)	0.60	(0.04)	0.47	(0.05)	0.13	(0.06)		
France	23.6	(2.28)	0.59	(0.06)	c	c	c	c		
Germany	43.6	(2.59)	0.92	(0.05)	0.88	(0.06)	0.04	(0.07)		
Greece	33.9	(4.83)	c	c	c	c	c	c		
Hungary	38.6	(3.44)	0.74	(0.07)	c	c	c	c		
Iceland	30.5	(3.76)	1.25	(0.08)	c	c	c	c		
Ireland	30.2	(2.88)	0.48	(0.06)	c	c	c	c		
Italy	37.9	(2.31)	c	c	c	c	c	c		
Japan	25.6	(1.67)	0.29	(0.03)	0.22	(0.05)	0.08	(0.05)		
Korea	30.1	(3.36)	0.44	(0.09)	0.42	(0.11)	0.02	(0.14)		
Luxembourg	38.8	(3.19)	0.92	(0.06)	c	c	c	c		
Mexico	c	c	c	c	c	c	c	c		
Netherlands	24.9	(2.18)	0.83	(0.03)	0.70	(0.07)	0.13	(0.08)		
New Zealand	33.0	(1.86)	0.61	(0.04)	0.52	(0.06)	0.09	(0.07)		
Norway	42.1	(3.39)	0.86	(0.08)	c	c	c	c		
Poland	42.8	(2.63)	0.44	(0.07)	c	c	c	c		
Portugal	28.3	(3.68)	c	c	c	c	c	c		
Slovak Republic	52.1	(3.09)	0.62	(0.09)	0.64	(0.08)	-0.02	(0.13)		
Spain	26.7	(2.04)	0.54	(0.09)	c	c	c	c		
Sweden	33.5	(2.73)	0.71	(0.05)	c	c	c	c		
Switzerland	27.4	(1.79)	0.71	(0.04)	c	c	c	c		
Turkey	c	c	c	c	c	c	c	c		
United Kingdom	38.5	(1.76)	0.69	(0.04)	0.68	(0.05)	0.01	(0.05)		
United States	37.2	(2.71)	0.84	(0.06)	0.74	(0.08)	0.10	(0.08)		
OECD average	33.9	(0.52)	0.66	(0.01)	0.58	(0.02)	0.07	(0.02)		
Partners										
Argentina	c	c	c	c	c	c	c	c		
Azerbaijan	c	c	c	c	c	c	c	c		
Brazil	c	c	c	c	c	c	c	c		
Bulgaria	48.4	(6.17)	c	c	c	c	c	c		
Chile	c	c	0.78	(0.16)	c	c	c	c		
Chinese Taipei	38.0	(1.92)	0.18	(0.03)	0.08	(0.04)	0.09	(0.05)		
Colombia	c	c	c	c	c	c	c	c		
Croatia	38.8	(3.55)	0.63	(0.08)	c	c	c	c		
Estonia	29.9	(2.43)	0.65	(0.05)	0.48	(0.08)	0.17	(0.08)		
Hong Kong-China	39.0	(1.58)	-0.32	(0.07)	-0.32	(0.07)	0.00	(0.07)		
Indonesia	c	c	c	c	c	c	c	c		
Israel	41.1	(3.31)	0.80	(0.06)	c	c	c	c		
Jordan	c	c	c	c	c	c	c	c		
Kyrgyzstan	c	c	c	c	c	c	c	c		
Latvia	48.2	(5.08)	c	c	c	c	c	c		
Liechtenstein	32.5	(9.41)	0.89	(0.17)	0.43	(0.24)	0.46	(0.30)		
Lithuania	41.1	(3.70)	c	c	c	c	c	c		
Macao-China	37.5	(4.82)	-0.54	(0.10)	c	c	c	c		
Montenegro	c	c	c	c	c	c	c	c		
Qatar	c	c	c	c	c	c	c	c		
Romania	c	c	c	c	c	c	c	c		
Russian Federation	45.0	(3.77)	c	c	c	c	c	c		
Serbia	c	c	c	c	c	c	c	c		
Slovenia	40.2	(2.93)	0.77	(0.05)	0.66	(0.07)	0.12	(0.08)		
Thailand	c	c	c	c	c	c	c	c		
Tunisia	c	c	c	c	c	c	c	c		
Uruguay	c	c	c	c	c	c	c	c		

Note: Values that are statistically significant are indicated in bold (see Annex B).

[Part 2/4]

Table A3.15 Proportion of relatively unmotivated top performers and their characteristics, by country

	Gender (% males)						Hours per week taking science lessons in school					
	Relatively motivated top performers		Relatively unmotivated top performers		Difference in the percentage (motivated – unmotivated)		Relatively motivated top performers		Relatively unmotivated top performers		Difference in the mean hours (motivated – unmotivated)	
	%	S.E.	%	S.E.	Dif.	S.E.	Mean	S.E.	Mean	S.E.	Dif.	S.E.
OECD												
Australia	56.0	(3.0)	52.1	(3.8)	4.0	(3.3)	4.5	(0.1)	3.6	(0.1)	0.8	(0.1)
Austria	60.7	(3.8)	52.5	(5.1)	8.2	(5.6)	4.1	(0.2)	3.3	(0.2)	0.9	(0.2)
Belgium	64.5	(2.5)	44.6	(3.8)	19.9	(4.2)	4.3	(0.1)	3.2	(0.1)	1.1	(0.2)
Canada	55.9	(2.0)	52.3	(3.7)	3.5	(4.2)	5.0	(0.1)	4.6	(0.2)	0.5	(0.2)
Czech Republic	55.4	(3.3)	65.3	(5.2)	-10.0	(5.0)	5.2	(0.1)	4.3	(0.2)	0.9	(0.3)
Denmark	54.4	(5.2)	c	c	c	c	3.9	(0.1)	c	c	c	c
Finland	51.4	(2.2)	51.0	(3.3)	0.4	(3.8)	3.9	(0.1)	3.5	(0.1)	0.4	(0.1)
France	63.6	(4.0)	c	c	c	c	5.1	(0.1)	c	c	c	c
Germany	63.6	(3.0)	54.6	(4.5)	9.0	(4.8)	4.6	(0.1)	4.3	(0.2)	0.3	(0.2)
Greece	c	c	c	c	c	c	c	c	c	c	c	c
Hungary	64.9	(4.8)	c	c	c	c	4.2	(0.2)	c	c	c	c
Iceland	53.8	(5.0)	c	c	c	c	3.5	(0.1)	c	c	c	c
Ireland	51.0	(3.5)	c	c	c	c	3.3	(0.1)	c	c	c	c
Italy	c	c	c	c	c	c	c	c	c	c	c	c
Japan	60.2	(3.0)	45.5	(4.8)	14.8	(4.4)	3.2	(0.1)	3.1	(0.1)	0.1	(0.1)
Korea	59.0	(4.4)	43.9	(5.7)	15.1	(5.6)	4.2	(0.3)	3.6	(0.2)	0.6	(0.3)
Luxembourg	65.8	(4.1)	c	c	c	c	3.4	(0.2)	c	c	c	c
Mexico	c	c	c	c	c	c	c	c	c	c	c	c
Netherlands	61.8	(2.4)	46.5	(5.6)	15.3	(6.7)	4.0	(0.1)	2.3	(0.2)	1.7	(0.2)
New Zealand	52.2	(3.7)	47.2	(4.5)	5.0	(4.2)	5.2	(0.1)	4.5	(0.1)	0.7	(0.1)
Norway	58.9	(5.6)	c	c	c	c	2.9	(0.1)	c	c	c	c
Poland	54.4	(4.2)	c	c	c	c	3.7	(0.1)	c	c	c	c
Portugal	c	c	c	c	c	c	c	c	c	c	c	c
Slovak Republic	63.0	(5.5)	57.1	(5.6)	5.9	(8.3)	5.0	(0.2)	4.4	(0.2)	0.6	(0.2)
Spain	59.6	(3.3)	c	c	c	c	5.1	(0.1)	c	c	c	c
Sweden	60.0	(3.8)	c	c	c	c	3.1	(0.1)	c	c	c	c
Switzerland	58.4	(2.4)	c	c	c	c	4.1	(0.1)	c	c	c	c
Turkey	c	c	c	c	c	c	c	c	c	c	c	c
United Kingdom	61.0	(2.7)	52.6	(3.0)	8.3	(3.4)	5.4	(0.1)	5.0	(0.1)	0.4	(0.1)
United States	59.3	(3.9)	48.8	(4.9)	10.5	(6.1)	4.8	(0.1)	4.5	(0.2)	0.4	(0.2)
OECD average	58.9	(0.9)	51.0	(1.2)	7.8	(1.4)	4.5	(0.0)	3.9	(0.0)	0.7	(0.1)
Partners												
Argentina	c	c	c	c	c	c	c	c	c	c	c	c
Azerbaijan	c	c	c	c	c	c	c	c	c	c	c	c
Brazil	c	c	c	c	c	c	c	c	c	c	c	c
Bulgaria	c	c	c	c	c	c	c	c	c	c	c	c
Chile	65.8	(11.0)	c	c	c	c	4.2	(0.3)	c	c	c	c
Chinese Taipei	67.2	(4.2)	39.1	(3.6)	28.1	(3.3)	3.9	(0.1)	3.5	(0.1)	0.4	(0.1)
Colombia	c	c	c	c	c	c	c	c	c	c	c	c
Croatia	54.8	(4.4)	c	c	c	c	3.0	(0.2)	c	c	c	c
Estonia	52.0	(3.3)	53.8	(5.1)	-1.8	(6.3)	4.6	(0.1)	4.5	(0.1)	0.0	(0.2)
Hong Kong-China	59.7	(4.1)	46.1	(4.2)	13.6	(4.1)	5.7	(0.1)	3.7	(0.2)	2.0	(0.2)
Indonesia	c	c	c	c	c	c	c	c	c	c	c	c
Israel	65.8	(4.3)	c	c	c	c	4.4	(0.2)	c	c	c	c
Jordan	c	c	c	c	c	c	c	c	c	c	c	c
Kyrgyzstan	c	c	c	c	c	c	c	c	c	c	c	c
Latvia	c	c	c	c	c	c	c	c	c	c	c	c
Liechtenstein	50.4	(10.0)	36.6	(14.4)	13.7	(17.4)	4.4	(0.4)	3.6	(0.6)	0.7	(0.7)
Lithuania	45.5	(4.0)	c	c	c	c	3.7	(0.2)	c	c	c	c
Macao-China	c	c	c	c	c	c	c	c	c	c	c	c
Montenegro	c	c	c	c	c	c	c	c	c	c	c	c
Qatar	c	c	c	c	c	c	c	c	c	c	c	c
Romania	c	c	c	c	c	c	c	c	c	c	c	c
Russian Federation	c	c	c	c	c	c	c	c	c	c	c	c
Serbia	c	c	c	c	c	c	c	c	c	c	c	c
Slovenia	52.5	(3.6)	43.5	(5.1)	9.0	(5.7)	4.6	(0.1)	4.1	(0.2)	0.4	(0.2)
Thailand	c	c	c	c	c	c	c	c	c	c	c	c
Tunisia	c	c	c	c	c	c	c	c	c	c	c	c
Uruguay	c	c	c	c	c	c	c	c	c	c	c	c

Note: Values that are statistically significant are indicated in bold (see Annex B).



[Part 3/4]

Table A3.15 Proportion of relatively unmotivated top performers and their characteristics, by country

	Index of enjoyment of science						Index of students' science-related activities					
	Relatively motivated top performers		Relatively unmotivated top performers		Difference in the index (motivated – unmotivated)		Relatively motivated top performers		Relatively unmotivated top performers		Difference in the index (motivated – unmotivated)	
	%	S.E.	%	S.E.	Dif.	S.E.	Mean	S.E.	Mean	S.E.	Dif.	S.E.
OECD												
Australia	1.03	(0.03)	0.05	(0.05)	0.98	(0.05)	0.50	(0.03)	-0.21	(0.05)	0.71	(0.05)
Austria	0.97	(0.07)	-0.35	(0.07)	1.33	(0.09)	0.74	(0.05)	-0.03	(0.07)	0.77	(0.09)
Belgium	0.93	(0.03)	0.00	(0.07)	0.93	(0.07)	0.68	(0.03)	0.13	(0.07)	0.55	(0.07)
Canada	1.19	(0.03)	0.17	(0.05)	1.02	(0.07)	0.54	(0.03)	-0.16	(0.06)	0.70	(0.07)
Czech Republic	0.57	(0.04)	-0.37	(0.09)	0.94	(0.09)	0.51	(0.05)	-0.20	(0.08)	0.71	(0.08)
Denmark	1.14	(0.06)	c	c	c	c	0.72	(0.06)	c	c	c	c
Finland	0.74	(0.03)	-0.11	(0.06)	0.85	(0.07)	0.32	(0.03)	-0.27	(0.05)	0.60	(0.06)
France	1.18	(0.05)	c	c	c	c	0.70	(0.05)	c	c	c	c
Germany	1.11	(0.05)	0.06	(0.07)	1.05	(0.09)	0.76	(0.04)	0.23	(0.07)	0.53	(0.07)
Greece	c	c	c	c	c	c	c	c	c	c	c	c
Hungary	1.04	(0.07)	c	c	c	c	0.97	(0.06)	c	c	c	c
Iceland	1.33	(0.06)	c	c	c	c	0.76	(0.06)	c	c	c	c
Ireland	0.90	(0.05)	c	c	c	c	0.32	(0.05)	c	c	c	c
Italy	c	c	c	c	c	c	c	c	c	c	c	c
Japan	0.62	(0.04)	-0.31	(0.08)	0.93	(0.08)	-0.04	(0.04)	-0.76	(0.06)	0.71	(0.08)
Korea	0.92	(0.05)	-0.09	(0.08)	1.01	(0.10)	0.54	(0.08)	-0.21	(0.08)	0.75	(0.11)
Luxembourg	1.15	(0.08)	c	c	c	c	0.89	(0.05)	c	c	c	c
Mexico	c	c	c	c	c	c	c	c	c	c	c	c
Netherlands	0.55	(0.05)	-0.49	(0.07)	1.04	(0.08)	0.36	(0.04)	-0.32	(0.07)	0.68	(0.08)
New Zealand	0.95	(0.04)	-0.02	(0.06)	0.97	(0.08)	0.43	(0.04)	-0.24	(0.05)	0.67	(0.07)
Norway	1.26	(0.07)	c	c	c	c	0.76	(0.06)	c	c	c	c
Poland	0.68	(0.06)	c	c	c	c	1.09	(0.05)	c	c	c	c
Portugal	c	c	c	c	c	c	c	c	c	c	c	c
Slovak Republic	0.80	(0.08)	-0.10	(0.07)	0.90	(0.09)	0.76	(0.07)	0.16	(0.07)	0.60	(0.09)
Spain	0.91	(0.06)	c	c	c	c	0.54	(0.05)	c	c	c	c
Sweden	1.09	(0.06)	c	c	c	c	0.33	(0.07)	c	c	c	c
Switzerland	1.05	(0.05)	c	c	c	c	0.67	(0.03)	c	c	c	c
Turkey	c	c	c	c	c	c	c	c	c	c	c	c
United Kingdom	0.92	(0.03)	-0.01	(0.05)	0.93	(0.05)	0.44	(0.05)	-0.27	(0.05)	0.70	(0.08)
United States	1.09	(0.05)	-0.02	(0.09)	1.11	(0.09)	0.64	(0.05)	-0.10	(0.08)	0.75	(0.09)
OECD average	0.89	(0.01)	-0.11	(0.02)	1.00	(0.02)	0.51	(0.01)	-0.16	(0.02)	0.67	(0.02)
Partners												
Argentina	c	c	c	c	c	c	c	c	c	c	c	c
Azerbaijan	c	c	c	c	c	c	c	c	c	c	c	c
Brazil	c	c	c	c	c	c	c	c	c	c	c	c
Bulgaria	c	c	c	c	c	c	c	c	c	c	c	c
Chile	1.24	(0.11)	c	c	c	c	0.90	(0.10)	c	c	c	c
Chinese Taipei	0.98	(0.03)	0.01	(0.05)	0.97	(0.05)	0.92	(0.03)	0.28	(0.04)	0.64	(0.05)
Colombia	c	c	c	c	c	c	c	c	c	c	c	c
Croatia	0.77	(0.07)	c	c	c	c	0.95	(0.06)	c	c	c	c
Estonia	0.62	(0.05)	-0.18	(0.06)	0.80	(0.08)	0.72	(0.04)	0.05	(0.07)	0.67	(0.09)
Hong Kong-China	1.16	(0.04)	0.41	(0.04)	0.75	(0.06)	0.97	(0.04)	0.31	(0.05)	0.65	(0.06)
Indonesia	c	c	c	c	c	c	c	c	c	c	c	c
Israel	0.96	(0.10)	c	c	c	c	0.56	(0.10)	c	c	c	c
Jordan	c	c	c	c	c	c	c	c	c	c	c	c
Kyrgyzstan	c	c	c	c	c	c	c	c	c	c	c	c
Latvia	c	c	c	c	c	c	c	c	c	c	c	c
Liechtenstein	0.82	(0.19)	-0.43	(0.34)	1.25	(0.39)	0.36	(0.20)	-0.31	(0.24)	0.68	(0.33)
Lithuania	0.99	(0.08)	c	c	c	c	0.64	(0.07)	c	c	c	c
Macao-China	c	c	c	c	c	c	c	c	c	c	c	c
Montenegro	c	c	c	c	c	c	c	c	c	c	c	c
Qatar	c	c	c	c	c	c	c	c	c	c	c	c
Romania	c	c	c	c	c	c	c	c	c	c	c	c
Russian Federation	c	c	c	c	c	c	c	c	c	c	c	c
Serbia	c	c	c	c	c	c	c	c	c	c	c	c
Slovenia	0.68	(0.07)	-0.50	(0.07)	1.17	(0.10)	1.04	(0.05)	0.30	(0.07)	0.74	(0.09)
Thailand	c	c	c	c	c	c	c	c	c	c	c	c
Tunisia	c	c	c	c	c	c	c	c	c	c	c	c
Uruguay	c	c	c	c	c	c	c	c	c	c	c	c

Note: Values that are statistically significant are indicated in bold (see Annex B).

[Part 4/4]

Table A3.15 Proportion of relatively unmotivated top performers and their characteristics, by country

	Index of school preparation for science-related careers						Index of student information on science-related careers					
	Relatively motivated top performers		Relatively unmotivated top performers		Difference in the index (motivated – unmotivated)		Relatively motivated top performers		Relatively unmotivated top performers		Difference in the index (motivated – unmotivated)	
	Mean index	S.E.	Mean index	S.E.	Dif.	S.E.	Mean index	S.E.	Mean index	S.E.	Dif.	S.E.
OECD												
Australia	0.98	(0.04)	0.31	(0.04)	0.67	(0.05)	0.64	(0.04)	0.17	(0.05)	0.47	(0.07)
Austria	0.35	(0.07)	-0.41	(0.11)	0.76	(0.11)	0.12	(0.07)	-0.35	(0.09)	0.47	(0.12)
Belgium	0.45	(0.05)	-0.15	(0.07)	0.61	(0.09)	-0.12	(0.04)	-0.40	(0.06)	0.28	(0.08)
Canada	0.92	(0.04)	0.38	(0.05)	0.53	(0.06)	0.60	(0.04)	0.13	(0.06)	0.46	(0.07)
Czech Republic	0.22	(0.05)	-0.29	(0.09)	0.51	(0.10)	0.14	(0.04)	-0.52	(0.08)	0.66	(0.08)
Denmark	0.58	(0.07)	c	c	c	c	0.35	(0.09)	c	c	c	c
Finland	0.38	(0.05)	0.26	(0.07)	0.11	(0.08)	0.32	(0.04)	-0.14	(0.07)	0.46	(0.09)
France	0.86	(0.07)	c	c	c	c	0.34	(0.07)	c	c	c	c
Germany	0.42	(0.08)	0.17	(0.09)	0.25	(0.12)	0.32	(0.05)	-0.10	(0.07)	0.42	(0.07)
Greece	c	c	c	c	c	c	c	c	c	c	c	c
Hungary	0.41	(0.10)	c	c	c	c	0.20	(0.07)	c	c	c	c
Iceland	0.67	(0.09)	c	c	c	c	0.42	(0.08)	c	c	c	c
Ireland	0.74	(0.05)	c	c	c	c	0.37	(0.07)	c	c	c	c
Italy	c	c	c	c	c	c	c	c	c	c	c	c
Japan	-0.10	(0.07)	-0.52	(0.09)	0.43	(0.11)	-0.25	(0.04)	-0.60	(0.08)	0.34	(0.08)
Korea	-0.05	(0.11)	-0.58	(0.08)	0.53	(0.14)	0.04	(0.07)	-0.45	(0.08)	0.49	(0.10)
Luxembourg	0.12	(0.12)	c	c	c	c	0.15	(0.10)	c	c	c	c
Mexico	c	c	c	c	c	c	c	c	c	c	c	c
Netherlands	0.36	(0.04)	-0.46	(0.07)	0.82	(0.09)	0.14	(0.05)	-0.52	(0.09)	0.65	(0.11)
New Zealand	0.89	(0.04)	0.26	(0.06)	0.63	(0.07)	0.48	(0.05)	-0.01	(0.05)	0.50	(0.07)
Norway	0.17	(0.09)	c	c	c	c	0.22	(0.08)	c	c	c	c
Poland	0.15	(0.07)	c	c	c	c	0.53	(0.08)	c	c	c	c
Portugal	c	c	c	c	c	c	c	c	c	c	c	c
Slovak Republic	0.30	(0.12)	-0.19	(0.11)	0.48	(0.15)	0.24	(0.09)	-0.24	(0.09)	0.48	(0.13)
Spain	0.55	(0.06)	c	c	c	c	0.36	(0.05)	c	c	c	c
Sweden	0.41	(0.09)	c	c	c	c	0.05	(0.08)	c	c	c	c
Switzerland	0.72	(0.06)	c	c	c	c	0.31	(0.05)	c	c	c	c
Turkey	c	c	c	c	c	c	c	c	c	c	c	c
United Kingdom	0.97	(0.03)	0.38	(0.07)	0.59	(0.07)	0.35	(0.05)	-0.12	(0.07)	0.46	(0.08)
United States	0.87	(0.06)	0.33	(0.08)	0.54	(0.11)	0.57	(0.08)	0.17	(0.09)	0.40	(0.11)
OECD average	0.50	(0.02)	-0.04	(0.02)	0.53	(0.03)	0.26	(0.02)	-0.21	(0.02)	0.47	(0.02)
Partners												
Argentina	c	c	c	c	c	c	c	c	c	c	c	c
Azerbaijan	c	c	c	c	c	c	c	c	c	c	c	c
Brazil	c	c	c	c	c	c	c	c	c	c	c	c
Bulgaria	c	c	c	c	c	c	c	c	c	c	c	c
Chile	0.79	(0.15)	c	c	c	c	0.54	(0.12)	c	c	c	c
Chinese Taipei	0.42	(0.04)	0.05	(0.05)	0.37	(0.07)	0.34	(0.04)	0.04	(0.04)	0.30	(0.05)
Colombia	c	c	c	c	c	c	c	c	c	c	c	c
Croatia	0.45	(0.09)	c	c	c	c	0.45	c	c	c	c	c
Estonia	0.44	(0.05)	0.15	(0.07)	0.30	(0.09)	-0.04	(0.05)	-0.45	(0.06)	0.42	(0.06)
Hong Kong-China	0.26	(0.07)	-0.32	(0.06)	0.58	(0.08)	0.34	(0.04)	0.12	(0.06)	0.22	(0.07)
Indonesia	c	c	c	c	c	c	c	c	c	c	c	c
Israel	0.27	(0.13)	c	c	c	c	0.56	(0.09)	c	c	c	c
Jordan	c	c	c	c	c	c	c	c	c	c	c	c
Kyrgyzstan	c	c	c	c	c	c	c	c	c	c	c	c
Latvia	c	c	c	c	c	c	c	c	c	c	c	c
Liechtenstein	0.81	(0.23)	0.05	(0.30)	0.76	(0.36)	0.15	(0.20)	-0.53	(0.30)	0.68	(0.34)
Lithuania	0.78	(0.07)	c	c	c	c	0.45	(0.08)	c	c	c	c
Macao-China	c	c	c	c	c	c	c	c	c	c	c	c
Montenegro	c	c	c	c	c	c	c	c	c	c	c	c
Qatar	c	c	c	c	c	c	c	c	c	c	c	c
Romania	c	c	c	c	c	c	c	c	c	c	c	c
Russian Federation	c	c	c	c	c	c	c	c	c	c	c	c
Serbia	c	c	c	c	c	c	c	c	c	c	c	c
Slovenia	0.46	(0.06)	-0.08	(0.07)	0.54	(0.10)	0.21	(0.05)	-0.18	(0.08)	0.39	(0.08)
Thailand	c	c	c	c	c	c	c	c	c	c	c	c
Tunisia	c	c	c	c	c	c	c	c	c	c	c	c
Uruguay	c	c	c	c	c	c	c	c	c	c	c	c

Note: Values that are statistically significant are indicated in bold (see Annex B).



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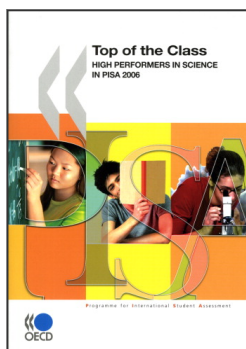
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