
ANNEX A

PISA scales

The PISA test design makes it possible to use statistical techniques to simultaneously estimate the ability of all students taking the PISA assessment, and the difficulty of all PISA questions, locating these estimates of student ability and question difficulty on a single continuum. The relative ability of students taking a particular test can be estimated by considering the proportion of test questions they get correct. The relative difficulty of questions in a test can be estimated by considering the proportion of test takers getting each question correct. In this way, it becomes possible to estimate the position of students and of questions on a continuum referred to as the PISA literacy scale in either reading, mathematics or science.

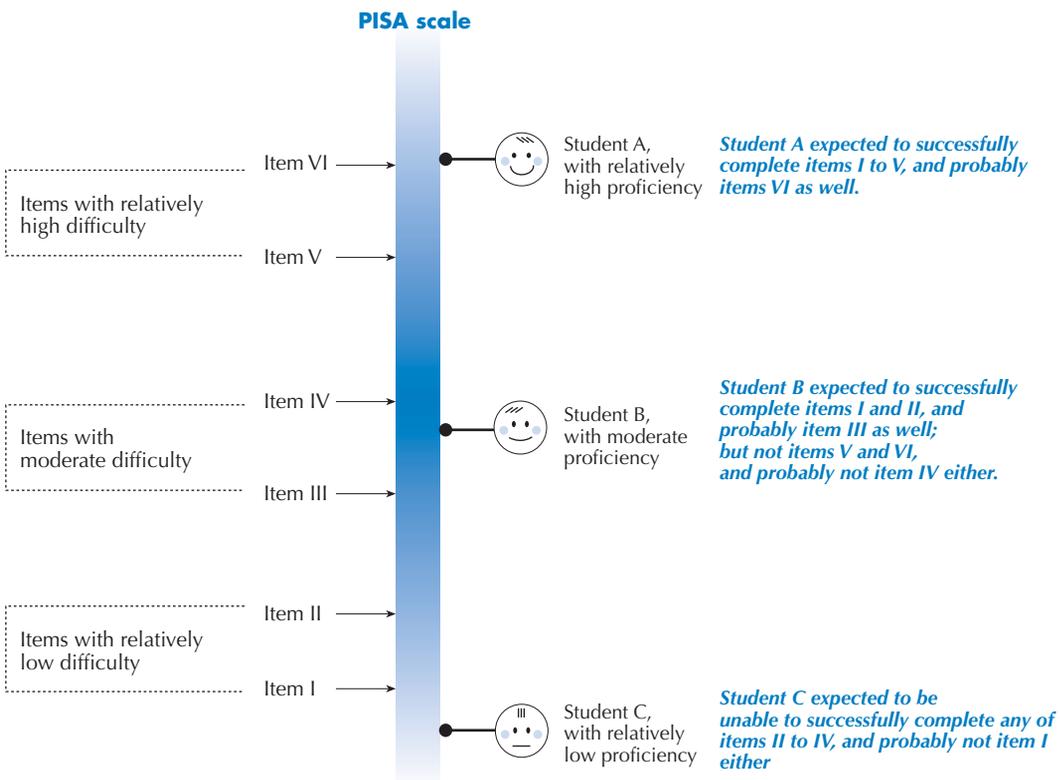
The scales stretch from very low levels of performance through to very high levels. When thinking about what such a scale means about student proficiency, it can be observed that a student whose ability estimate places him/her at a certain point on the PISA scale would most likely be able to successfully complete tasks at or below that location, and increasingly more likely to complete tasks located at progressively lower points on the scale, but would be less likely to be able to complete tasks above that point, and increasingly less likely to complete tasks located at progressively higher points on the scale. Figure 1 depicts a scale, stretching from relatively low levels at the bottom of the figure, to relatively high levels towards the top. Six questions of varying difficulty are placed along the scale, as are three students of varying ability.



Figure 1

The relationship between items and students on a proficiency scale

For more information on PISA scales, please consult the technical reports listed below.



ANNEX B

Country results for PISA 2000, 2003 and 2006 questions

This annex presents results for each country on the PISA questions used in the 2000, 2003 and 2006 surveys.

In the tables, the following codes may be used:

- a Not applicable. Scores were not awarded on this question.
- m Missing data. Data were collected but are not published for technical reasons.

Table 2.1 presents results for some of the reading questions in Chapter 2.

Tables 3.1 and 3.2 present results for some of the mathematics questions in Chapter 3.

Tables 4.1, 4.2 and 4.3 present results for some of the science questions in Chapter 4.

Table 2.1 Reading units 1 to 11: Percentage correct for each country on PISA 2000 questions

UNIT:		1 : Lake Chad					2 : Flu					3 : Graffiti			
QUESTION:	1.1	1.2	1.3	1.4	1.5	2.1	2.2	2.3	2.4	2.5	3.1	3.2	3.3	3.4	
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
OECD countries	Australia	71	58	35	80	62	78	59	64	32	56	84	45	66	49
	Austria	69	56	41	83	59	78	50	59	27	45	65	55	69	57
	Belgium	65	62	49	81	67	68	50	56	30	49	76	63	69	42
	Canada	66	53	37	80	62	77	56	70	41	50	86	52	72	58
	Czech Republic	68	57	43	80	59	71	32	41	26	48	79	47	58	36
	Denmark	66	48	38	80	57	64	47	63	29	43	75	59	73	53
	Finland	74	71	49	87	71	72	47	66	48	47	85	58	72	53
	France	64	62	45	82	60	71	44	44	23	43	72	64	69	33
	Germany	63	52	32	80	58	72	52	54	26	42	72	50	64	49
	Greece	m	46	30	68	48	58	35	52	25	40	79	61	66	47
	Hungary	54	49	43	85	50	72	38	52	21	37	77	51	65	35
	Iceland	63	45	28	70	58	72	43	59	34	51	76	55	61	45
	Ireland	67	47	37	72	61	76	59	60	38	55	81	60	79	48
	Italy	60	42	42	79	m	70	39	58	19	33	75	52	64	42
	Japan	77	53	49	79	58	86	44	39	41	54	85	42	71	55
	Korea	73	44	37	85	55	72	42	30	38	58	91	60	72	48
	Luxembourg	54	43	24	72	50	65	34	42	21	32	65	41	56	37
	Mexico	m	31	18	49	34	47	24	33	13	34	51	38	54	41
	Netherlands	70	64	45	84	67	63	48	61	41	55	89	59	75	55
	New Zealand	67	61	36	78	59	73	52	61	36	55	84	50	77	53
	Norway	66	58	34	72	58	69	38	59	34	49	84	65	70	42
	Poland	62	47	37	73	52	65	43	41	24	34	71	58	64	37
	Portugal	55	32	24	78	48	70	31	50	36	33	64	44	63	28
	Spain	58	33	44	82	55	75	48	51	26	38	77	56	77	53
	Sweden	69	59	46	82	58	68	54	64	44	47	82	68	65	28
	Switzerland	65	59	34	78	59	76	43	57	29	45	71	50	62	52
United Kingdom	69	57	36	76	59	75	69	61	40	49	79	52	77	57	
United States	60	47	28	71	56	70	39	69	38	46	84	45	74	43	
	OECD average	65	50	37	77	56	70	44	53	31	45	76	53	67	45
Partners	Brazil	29	11	21	63	39	57	20	41	22	30	52	30	52	34
	Latvia	57	35	26	68	49	52	29	38	21	33	68	31	50	31
	Liechtenstein	63	62	28	79	57	75	16	51	m	41	67	50	64	53
	Russian Federation	58	45	33	59	44	46	25	40	14	34	64	40	56	32

Table 2.1 Reading units 1 to 11: Percentage correct for each country on PISA 2000 questions (cont.)

UNIT:	4 : Labour					5 : Plan International		6 : Police				7 : Runners			
	4.1 %	4.2 %	4.3 %	4.5 %	4.6 %	5.1 %	5.2 %	6.1 %	6.2 %	6.3 %	6.4 %	7.1 %	7.2 %	7.3 %	7.4 %
OECD countries															
Australia	63	56	42	73	74	a	8	62	68	79	82	88	81	83	81
Austria	75	49	42	70	65	a	9	59	58	85	78	83	83	70	74
Belgium	70	58	43	78	72	a	12	70	67	88	87	90	82	82	81
Canada	65	55	44	76	77	a	9	61	72	87	84	87	85	87	82
Czech Republic	75	57	45	76	66	a	11	57	64	82	81	89	78	76	82
Denmark	56	48	38	60	45	a	11	54	48	80	76	85	81	64	77
Finland	71	61	49	81	61	a	14	75	69	83	87	91	89	80	74
France	56	58	50	76	71	a	6	66	66	83	86	85	82	87	84
Germany	61	46	35	64	57	a	8	63	59	78	81	78	77	63	70
Greece	53	33	28	68	49	a	17	58	51	82	70	81	76	80	72
Hungary	77	55	42	72	67	a	8	69	54	85	87	86	75	75	71
Iceland	57	50	39	66	55	a	9	67	60	80	82	87	84	70	81
Ireland	59	50	42	74	70	a	14	50	64	77	85	91	84	74	80
Italy	66	39	35	76	67	a	11	72	60	88	77	87	85	86	84
Japan	72	53	43	80	65	a	11	77	69	50	82	86	85	73	77
Korea	78	26	33	67	51	a	21	66	56	86	82	85	76	89	77
Luxembourg	50	35	28	56	50	a	3	57	54	74	73	77	72	45	69
Mexico	35	17	22	40	49	a	14	39	39	78	70	71	60	75	71
Netherlands	69	64	40	87	66	a	10	71	m	93	84	92	60	88	80
New Zealand	63	56	43	74	75	a	7	60	70	83	83	88	82	79	79
Norway	50	39	40	56	52	a	13	60	59	83	82	83	82	77	82
Poland	75	39	38	66	58	a	m	53	47	69	75	82	77	84	75
Portugal	62	41	34	61	55	a	8	55	47	82	80	78	65	70	83
Spain	70	42	39	70	70	a	15	70	50	89	88	88	82	81	85
Sweden	52	39	47	74	55	a	10	73	62	85	86	91	71	79	78
Switzerland	60	46	42	63	64	a	10	57	59	80	77	85	78	64	76
United Kingdom	62	52	39	76	68	a	9	52	64	73	82	83	83	76	79
United States	65	48	40	67	74	a	6	57	69	84	79	77	74	78	77
OECD average	63	46	39	69	62	a	11	61	58	80	81	84	79	76	78
Partners															
Brazil	37	31	27	36	32	a	9	37	38	68	67	78	66	55	69
Latvia	59	35	35	63	41	a	13	54	27	73	75	78	70	77	67
Liechtenstein	65	40	31	63	58	a	8	53	46	85	73	90	67	63	78
Russian Federation	61	36	29	60	44	a	9	59	36	73	82	77	75	83	66

Table 2.1 Reading units 1 to 11: Percentage correct for each country on PISA 2000 questions (cont.)

UNIT:		8 : Gift						9 : Amanda and the Duchess					10 : Personnel		11 : New Rules		
QUESTION:	8.1	8.2	8.3	8.4	8.5	8.6	8.7	9.1	9.2	9.3	9.4	9.5	10.1	10.2	11.1	11.2	
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
OECD countries	Australia	78	44	47	88	51	56	70	71	49	50	38	70	95	30	53	27
	Austria	69	35	40	83	41	66	65	79	49	46	41	73	79	16	44	23
	Belgium	77	45	29	88	40	57	63	75	58	52	42	69	85	36	44	26
	Canada	79	46	51	87	55	66	73	72	51	56	37	71	92	26	55	30
	Czech Republic	84	24	39	90	42	70	65	79	39	41	45	69	74	26	61	25
	Denmark	77	44	37	81	46	60	68	67	53	39	33	66	88	26	52	27
	Finland	80	52	44	94	49	51	79	76	36	54	59	74	94	49	56	28
	France	73	51	26	88	32	56	65	79	60	59	42	74	81	23	49	36
	Germany	67	42	34	83	41	58	60	70	49	37	32	64	73	24	46	22
	Greece	48	33	32	80	38	52	60	71	36	32	17	68	74	34	45	35
	Hungary	67	m	37	87	35	42	69	75	43	45	34	67	88	29	44	24
	Iceland	73	33	40	80	50	54	69	71	41	42	25	64	85	27	m	31
	Ireland	81	49	43	87	51	61	75	82	38	52	41	76	92	35	58	33
	Italy	69	42	28	85	37	56	58	77	34	39	45	66	85	39	30	32
	Japan	81	51	34	84	43	43	65	83	62	64	58	76	89	67	63	24
	Korea	89	28	38	82	35	77	76	84	m	68	43	83	95	57	58	37
	Luxembourg	63	37	25	78	35	53	48	65	36	24	24	59	68	15	31	10
	Mexico	56	25	26	83	26	45	35	66	19	20	25	47	72	42	36	20
	Netherlands	83	35	33	92	44	64	71	76	69	47	45	69	96	45	50	31
	New Zealand	83	50	47	89	56	57	72	73	55	54	40	66	94	31	58	25
Norway	79	44	42	82	49	56	67	72	52	38	38	68	91	23	36	23	
Poland	69	30	28	89	35	63	52	72	28	39	32	57	84	32	56	25	
Portugal	72	42	32	88	43	66	57	70	24	32	26	57	79	22	33	14	
Spain	67	41	36	87	44	49	60	75	48	38	34	63	88	23	48	24	
Sweden	82	61	41	86	44	46	70	76	50	36	40	72	90	26	46	21	
Switzerland	68	35	31	81	35	54	59	73	46	39	33	68	84	33	49	15	
United Kingdom	74	44	48	85	57	55	69	71	50	55	40	67	93	27	54	20	
United States	78	36	45	85	50	58	65	66	49	44	28	61	92	26	41	22	
OECD average	73	40	37	85	43	57	64	74	44	44	37	67	85	32	48	26	
Partners	Brazil	62	23	24	81	23	49	36	58	5	12	11	47	71	21	32	12
	Latvia	73	27	37	87	39	m	57	70	36	32	35	61	76	44	44	33
	Liechtenstein	60	32	22	84	29	44	47	61	29	22	32	49	82	33	56	8
	Russian Federation	68	26	43	87	56	75	60	63	34	42	40	62	81	40	25	28

Table 3.1 Mathematics units 1 to 10: Percentage correct for each country on PISA 2000 questions

UNIT:		1 : Farms		2 : Walking		3 : Apples			4 : Cubes	5 : Continent Area
QUESTION:	1.1	1.2	2.1	2.2	3.1	3.2	3.3	4.1	5.1	
	%	%	%	%	%	%	%	%	%	
OECD countries	Australia	67	63	31	20	62	25	19	65	27
	Austria	64	45	45	26	46	30	15	65	27
	Belgium	71	61	48	29	56	34	19	57	28
	Canada	69	65	39	24	62	28	18	64	28
	Czech Republic	66	46	48	23	52	22	10	62	17
	Denmark	77	60	38	16	59	24	11	66	22
	Finland	75	54	38	23	52	20	13	67	30
	France	65	60	42	22	42	26	11	70	20
	Germany	48	40	30	18	46	23	13	64	23
	Greece	46	53	40	18	33	24	8	44	7
	Hungary	50	47	43	20	51	32	13	35	17
	Iceland	65	50	31	22	45	13	11	50	21
	Ireland	69	61	25	14	43	23	14	61	19
	Italy	60	37	17	8	37	21	7	57	8
	Japan	82	86	46	37	81	51	21	73	23
	Korea	71	80	41	12	73	61	30	64	15
	Luxembourg	51	50	13	7	35	11	6	49	11
	Mexico	32	37	11	5	27	8	3	21	3
	Netherlands	76	69	52	31	65	45	23	61	38
	New Zealand	67	66	37	23	66	28	19	66	30
	Norway	61	43	22	11	36	13	11	60	16
	Poland	59	61	37	14	41	24	9	46	10
	Portugal	50	48	31	13	29	14	6	47	8
	Spain	29	44	35	21	44	21	10	63	11
Sweden	69	53	32	18	47	16	10	71	23	
Switzerland	80	54	44	27	56	29	17	74	34	
United Kingdom	62	61	36	20	68	25	18	68	31	
United States	46	60	26	18	53	24	15	52	21	
	OECD average	61	55	34	19	49	25	13	58	19
Partners	Brazil	18	26	13	4	17	8	2	24	0
	Latvia	50	55	39	18	31	25	10	42	9
	Liechtenstein	75	51	40	26	m	m	m	67	30
	Russian Federation	55	67	53	21	51	38	9	48	14

Table 3.1 Mathematics units 1 to 10: Percentage correct for each country on PISA 2000 questions (cont.)

UNIT:		6 : Growing Up			7 : Speed of Racing Car				8 : Triangles	9 : Robberies	10 : Carpenter
QUESTION:	6.1	6.2	6.3	7.1	7.2	7.3	7.4	8.1	9.1	10.1	
	%	%	%	%	%	%	%	%	%	%	
OECD countries	Australia	64	64	73	75	91	89	36	60	37	24
	Austria	70	24	70	68	83	83	33	62	26	25
	Belgium	63	64	73	72	86	84	35	67	31	24
	Canada	62	56	72	73	90	87	33	55	34	21
	Czech Republic	67	36	64	67	83	80	27	73	17	25
	Denmark	64	47	78	66	90	89	36	50	23	15
	Finland	62	65	78	80	92	90	39	57	37	26
	France	72	45	80	80	89	87	37	82	27	22
	Germany	63	47	72	66	80	81	28	63	22	18
	Greece	48	36	59	47	70	76	14	57	23	11
	Hungary	59	44	71	55	86	83	26	67	22	22
	Iceland	71	49	77	82	84	83	32	58	31	18
	Ireland	57	62	68	66	86	81	18	52	30	12
	Italy	60	41	60	55	74	80	15	61	14	13
	Japan	77	45	78	82	90	88	54	72	25	43
	Korea	78	48	87	76	91	87	33	63	28	36
	Luxembourg	50	25	53	61	70	71	26	53	18	9
	Mexico	32	7	40	36	56	56	4	28	7	7
	Netherlands	72	77	79	69	90	89	40	64	39	27
	New Zealand	61	65	75	74	89	89	36	58	34	27
	Norway	69	45	73	69	89	85	29	55	41	17
	Poland	51	40	65	56	80	85	20	68	11	19
	Portugal	53	21	60	61	86	81	18	50	13	11
	Spain	57	30	67	65	89	81	23	53	22	13
	Sweden	70	46	71	69	77	87	31	43	41	22
	Switzerland	66	52	78	71	81	83	35	68	28	26
United Kingdom	62	70	69	74	88	86	30	57	39	17	
United States	51	57	61	62	83	82	23	46	30	13	
	OECD average	61	46	69	67	83	83	28	58	26	20
Partners	Brazil	28	11	19	50	50	57	6	36	8	6
	Latvia	53	39	60	66	80	78	20	59	21	20
	Liechtenstein	69	48	79	72	75	79	30	62	18	11
	Russian Federation	70	38	63	69	77	66	18	62	12	24

Table 3.2 Mathematics units 11 to 26: Percentage correct for each country on PISA 2003 questions

UNIT:	11 : Internet Relay Chat		12 : Exchange Rate			13 : Exports		14 : Coloured Candies	15 : Science Tests	16 : Bookshelves	17 : Litter
	11.1 %	11.2 %	12.1 %	12.2 %	12.3 %	13.1 %	13.2 %	14.1 %	15.1 %	16.1 %	17.1 %
OECD countries											
Australia	58	40	81	75	46	86	46	60	50	64	64
Austria	61	28	87	87	36	79	53	38	46	66	46
Belgium	63	36	87	84	55	88	60	52	50	72	56
Canada	54	37	86	81	58	90	52	61	60	68	64
Czech Republic	69	31	87	84	46	82	60	46	44	72	42
Denmark	65	30	85	77	46	85	47	66	50	72	57
Finland	52	35	90	88	51	88	53	60	53	74	73
France	64	34	89	85	51	92	48	46	48	63	43
Germany	63	34	83	81	45	83	46	50	46	66	53
Greece	38	10	73	60	40	70	39	28	35	44	29
Hungary	47	m	84	81	35	83	51	41	35	62	43
Iceland	54	30	86	75	38	76	56	76	39	68	71
Ireland	50	37	83	76	41	85	51	45	56	58	60
Italy	56	28	71	65	34	68	39	34	51	57	36
Japan	61	33	79	74	43	65	55	64	63	70	60
Korea	62	29	81	72	40	65	54	73	67	72	75
Luxembourg	62	33	85	79	39	85	43	39	54	59	47
Mexico	31	13	60	41	13	65	31	19	24	36	31
Netherlands	52	37	85	82	48	91	62	69	57	70	59
New Zealand	56	40	80	72	42	87	47	60	41	61	59
Norway	45	22	77	67	42	74	45	58	58	61	67
Poland	57	20	77	72	29	86	51	52	54	58	65
Portugal	40	14	74	63	23	88	35	40	39	42	57
Slovak Republic	61	27	86	85	47	76	58	43	32	65	37
Spain	46	22	79	72	30	83	42	42	30	57	55
Sweden	52	30	89	78	51	83	52	61	45	61	53
Switzerland	63	38	87	85	49	83	58	50	53	69	46
Turkey	40	13	60	46	16	57	35	33	34	37	26
United Kingdom	52	34	74	68	43	85	40	61	43	59	65
United States	46	28	54	68	37	41	43	53	55	57	20
OECD average	54	29	80	74	40	79	48	50	47	61	52
Partners											
Brazil	27	9	37	25	16	66	30	20	17	31	17
Hong Kong-China	47	27	89	88	53	78	69	72	75	74	68
Indonesia	24	6	59	34	11	72	30	22	11	16	15
Latvia	48	19	80	79	30	79	47	40	33	58	48
Liechtenstein	69	43	95	93	64	89	57	54	53	69	59
Macao-China	39	17	93	89	53	82	63	56	69	67	65
Russian Federation	43	17	85	78	29	69	47	32	21	58	32
Serbia	48	10	79	71	32	59	34	26	31	47	21
Thailand	37	8	60	50	18	78	31	25	17	35	35
Tunisia	33	6	55	40	18	73	30	13	15	26	17
Uruguay	43	18	71	64	35	71	42	32	28	46	36

Table 3.2 Mathematics units 11 to 26: Percentage correct for each country on PISA 2003 questions (cont.)

	UNIT:	18 : Earthquake	19 : Choices	20 : Test Scores	21: Skateboard			22: Staircase	23: Number Cubes	24: Support for the President	25 : The Best Car		26 : Step Pattern
	QUESTION:	18.1 %	19 %	20.1 %	21.1 %	21.2 %	21.3 %	22.1 %	23.1 %	24.1 %	25.1 %	25.2 %	26.1 %
OECD countries	Australia	54	52	43	79	54	57	78	69	46	79	31	72
	Austria	34	43	29	78	36	48	82	65	28	80	28	63
	Belgium	49	56	44	78	48	58	82	74	41	78	37	72
	Canada	55	58	47	79	58	59	81	70	46	82	33	72
	Czech Republic	36	48	20	75	51	55	79	73	35	75	22	78
	Denmark	46	45	30	77	60	54	82	71	39	80	23	78
	Finland	59	60	35	85	56	59	85	76	46	76	28	72
	France	51	59	39	67	47	55	83	67	47	74	30	61
	Germany	39	46	27	77	45	52	76	69	29	77	24	65
	Greece	48	50	20	59	30	34	71	48	39	64	13	44
	Hungary	45	46	23	77	53	49	64	57	33	79	28	67
	Iceland	52	51	39	76	52	55	78	61	41	69	30	68
	Ireland	51	46	41	73	30	50	80	57	35	73	23	57
	Italy	46	45	16	67	34	44	82	57	37	68	17	53
	Japan	68	66	55	59	67	54	81	83	47	80	45	88
	Korea	64	59	46	78	65	56	81	81	46	84	38	80
	Luxembourg	43	47	27	74	45	49	75	63	24	76	23	61
	Mexico	28	25	10	49	23	30	67	29	10	44	7	41
	Netherlands	48	43	41	75	54	56	85	71	46	78	32	75
	New Zealand	59	49	42	78	48	56	79	69	45	78	28	74
	Norway	45	47	34	75	43	54	82	56	34	56	19	78
	Poland	37	52	23	77	41	44	83	62	32	73	27	62
	Portugal	39	40	24	73	32	40	78	51	30	74	24	47
	Slovak Republic	29	56	19	73	46	48	78	62	25	77	22	74
	Spain	39	52	28	72	43	46	78	60	27	71	22	69
	Sweden	49	49	43	78	43	59	82	64	41	57	20	76
Switzerland	46	53	33	80	54	55	86	73	35	79	36	68	
Turkey	42	24	19	44	28	25	65	41	15	61	20	47	
United Kingdom	51	58	42	72	44	51	74	64	41	74	23	71	
United States	53	44	40	62	50	46	70	53	34	75	20	60	
	OECD average	46	49	32	72	46	50	78	63	36	73	25	66
Partners	Brazil	24	17	11	44	19	22	44	30	10	49	10	40
	Hong Kong-China	56	46	64	74	60	62	87	70	48	87	40	83
	Indonesia	27	15	8	22	11	11	48	31	19	63	4	43
	Latvia	38	43	23	71	32	48	83	60	29	72	19	67
	Liechtenstein	52	47	39	82	39	56	85	72	21	87	34	67
	Macao-China	52	44	55	72	52	65	89	68	37	90	34	80
	Russian Federation	41	43	19	70	30	45	76	55	17	73	15	63
	Serbia	24	50	6	65	33	33	77	46	13	63	9	60
	Thailand	35	28	21	32	21	27	52	40	17	53	8	71
	Tunisia	19	21	6	30	14	12	59	32	5	59	8	25
	Uruguay	31	41	16	66	30	43	68	50	28	67	14	54

Table 4.1 Science units 1 and 2: Percentage correct for each country on PISA 2000 questions

UNIT:		1 : Semmelweis' Diary				2 : Ozone		
QUESTION:	1.1	1.2	1.3	1.4	2.1	2.2	2.3	
	%	%	%	%	%	%	%	
OECD countries	Australia	25	70	70	63	34	43	60
	Austria	23	72	74	69	35	32	61
	Belgium	33	59	63	57	34	36	46
	Canada	28	73	72	63	33	40	66
	Czech Republic	19	65	62	71	34	32	62
	Denmark	23	66	62	67	24	24	42
	Finland	31	75	85	79	29	29	63
	France	32	62	58	59	35	30	52
	Germany	23	63	62	63	26	32	51
	Greece	13	46	65	47	30	25	50
	Hungary	29	62	72	67	38	38	58
	Iceland	26	63	69	70	19	36	56
	Ireland	26	70	70	51	26	39	56
	Italy	19	55	70	52	26	28	37
	Japan	36	70	78	71	34	60	72
	Korea	42	81	80	67	25	57	74
	Luxembourg	14	53	52	51	20	24	45
	Mexico	7	38	46	30	15	24	36
	Netherlands	35	69	84	61	26	50	56
	New Zealand	30	72	71	65	27	44	63
	Norway	28	67	75	66	29	37	45
	Poland	21	63	66	64	30	35	44
	Portugal	19	44	61	46	20	32	58
	Spain	26	62	67	50	28	32	69
	Sweden	26	71	76	61	28	39	45
	Switzerland	24	59	61	61	29	31	48
United Kingdom	30	71	72	57	32	40	55	
United States	23	68	64	60	20	32	57	
OECD average	25	63	67	60	28	35	54	
Partners	Brazil	5	40	42	36	12	27	51
	Latvia	18	50	59	47	32	18	33
	Liechtenstein	15	67	m	66	28	29	49
	Russian Federation	17	50	66	41	31	20	31

Table 4.2 Science units 3 and 4: Percentage correct for each country on PISA 2003 questions

UNIT:		3 : Daylight		4 : Cloning		
QUESTION:	3.1	3.2	4.1	4.2	4.3	
	%	%	%	%	%	
OECD countries	Australia	34	25	67	56	73
	Austria	35	14	67	50	57
	Belgium	38	14	71	52	66
	Canada	42	27	69	58	73
	Czech Republic	68	27	66	42	50
	Denmark	29	10	61	45	56
	Finland	54	26	75	63	70
	France	32	20	73	56	64
	Germany	32	16	67	47	63
	Greece	40	16	57	46	51
	Hungary	46	26	69	48	55
	Iceland	40	11	73	45	59
	Ireland	30	17	59	48	71
	Italy	38	19	64	60	69
	Japan	56	38	72	44	65
	Korea	63	23	68	33	51
	Luxembourg	33	15	68	51	55
	Mexico	33	8	47	39	59
	Netherlands	48	18	71	58	70
	New Zealand	39	23	67	55	75
	Norway	41	10	63	39	59
	Poland	50	12	58	45	57
	Portugal	38	18	64	51	66
	Slovak Republic	69	25	63	37	45
	Spain	44	19	66	50	70
	Sweden	41	17	69	47	54
	Switzerland	33	21	69	51	62
	Turkey	56	12	43	41	46
	United Kingdom	46	19	61	53	79
	United States	43	17	62	56	66
	OECD average	43	19	65	49	62
	Partners	Brazil	22	4	48	46
Hong Kong-China		44	22	72	53	52
Indonesia		54	3	26	25	21
Latvia		55	13	59	51	54
Liechtenstein		29	23	69	46	67
Macao-China		40	23	69	54	48
Russian Federation		61	18	58	52	55
Serbia		41	7	50	33	49
Thailand		32	6	39	33	61
Tunisia		20	7	39	20	30
Uruguay	29	13	55	43	65	

Table 4.3 Science units 5 to 12: Percentage correct for each country on PISA 2006 questions

UNIT:		5 : Greenhouse			6 : Clothes		7 : The Grand Canyon			8 : Sunscreens			
QUESTION:	5.1 %	5.2 %	5.3 %	6.1 %	6.2 %	7.1 %	7.2 %	7.3 %	8.1 %	8.2 %	8.3 %	8.4 %	
OECD countries	Australia	67	44	21	63	82	73	72	84	43	72	55	36
	Austria	46	28	17	52	80	61	70	79	45	63	45	28
	Belgium	57	40	20	57	86	62	68	73	40	62	40	34
	Canada	70	44	22	61	84	68	79	83	48	71	51	39
	Czech Republic	50	32	21	54	86	57	73	81	43	51	44	25
	Denmark	56	35	15	51	76	57	74	75	23	58	48	25
	Finland	67	48	32	68	95	66	73	87	68	71	51	40
	France	64	44	19	48	81	61	50	75	45	53	38	27
	Germany	52	37	22	53	80	69	68	79	46	65	47	31
	Greece	48	33	25	38	80	66	54	72	29	55	25	18
	Hungary	50	31	17	31	81	59	73	84	36	m	53	22
	Iceland	59	33	11	41	76	55	79	72	41	55	53	25
	Ireland	59	37	19	54	81	74	87	70	41	62	39	28
	Italy	40	27	14	35	73	59	55	72	29	47	35	17
	Japan	69	54	18	52	81	54	68	84	45	60	50	44
	Korea	64	49	18	49	88	72	70	86	43	56	42	46
	Luxembourg	45	25	11	45	77	59	57	74	36	57	35	24
	Mexico	16	14	16	32	54	55	41	47	41	25	24	10
	Netherlands	60	42	34	56	87	63	72	78	41	64	44	37
	New Zealand	63	37	20	59	81	73	72	84	45	70	56	40
	Norway	53	29	15	49	73	46	64	74	32	56	42	21
	Poland	43	32	16	39	88	48	76	76	36	59	38	12
	Portugal	52	28	18	37	70	67	57	78	46	58	39	20
	Slovak Republic	40	27	16	36	82	53	65	80	38	m	42	18
	Spain	60	35	22	38	83	67	68	72	50	51	31	23
	Sweden	55	30	17	49	84	55	71	74	29	57	55	25
	Switzerland	54	38	23	56	78	56	61	80	47	62	50	31
	Turkey	40	19	9	23	63	42	55	53	36	48	33	11
	United Kingdom	65	36	20	61	83	75	83	73	37	63	48	30
	United States	54	29	18	50	69	67	72	77	36	62	37	27
	OECD average	54	34	19	48	79	61	68	76	40	58	43	27
	Partners	Argentina	35	20	8	23	66	52	41	53	29	21	28
Azerbaijan		17	11	5	11	78	36	47	42	15	27	23	5
Brazil		34	18	16	18	46	50	32	52	38	44	27	9
Bulgaria		29	20	14	39	74	48	53	65	32	45	30	13
Chile		41	23	9	30	69	51	46	71	37	51	37	15
Chinese Taipei		65	52	29	51	94	64	76	86	42	50	46	43
Colombia		16	14	15	29	68	53	44	45	39	33	28	13
Croatia		43	32	18	46	73	60	64	74	32	61	26	20
Estonia		66	44	30	56	88	59	68	85	22	50	52	24
Hong Kong- China		75	53	31	63	92	68	72	74	45	58	49	44
Indonesia		28	17	15	24	73	56	50	39	32	34	29	12
Israel		44	32	21	35	63	55	44	63	38	49	31	19
Jordan		27	16	13	24	55	58	68	43	32	36	25	8
Kyrgyzstan		11	4	3	11	47	40	40	41	33	24	28	3
Latvia		55	38	22	49	73	55	63	74	31	46	50	20
Liechtenstein		58	40	26	71	85	63	71	77	48	66	45	38
Lithuania		49	30	20	49	82	53	54	64	24	44	44	15
Macao-China		61	43	21	48	89	67	68	77	39	51	43	32
Montenegro		36	10	6	26	56	50	44	53	23	21	32	5
Qatar		13	6	7	12	37	47	38	36	21	29	24	5
Romania		27	20	15	26	80	48	53	59	33	29	24	8
Russian Federation		49	33	20	36	76	54	64	74	44	42	40	24
Serbia		23	16	8	31	66	45	46	64	33	36	26	10
Slovenia		42	36	23	56	85	57	81	86	50	60	40	25
Thailand	22	12	11	24	40	47	57	58	36	51	37	12	
Tunisia	38	17	12	19	53	53	35	38	26	25	24	6	
Uruguay	45	23	12	28	75	59	31	50	39	23	26	11	

Table 4.3 Science units 5 to 12: Percentage correct for each country on PISA 2006 questions (cont.)

UNIT:	9 : Mary Montagu			10 : Acid Rain			11 : Physical Exercise			12 : Genetically Modified Crops		
	QUESTION:	9.1	9.2	9.3	10.1	10.2	10.3	11.1	11.2	11.3	12.1	12.2
	%	%	%	%	%	%	%	%	%	%	%	%
OECD countries	Australia	79	74	57	58	71	45	51	85	51	63	86
	Austria	77	78	75	72	65	38	69	79	44	56	77
	Belgium	78	81	64	65	67	39	47	84	48	66	73
	Canada	78	78	64	69	73	45	48	84	56	61	83
	Czech Republic	83	84	69	63	75	34	71	88	49	51	81
	Denmark	76	76	57	52	60	37	72	84	36	54	76
	Finland	85	84	79	73	78	38	78	93	71	66	87
	France	76	84	52	43	65	39	39	79	49	72	58
	Germany	79	84	74	69	69	37	73	77	48	60	78
	Greece	70	79	52	59	67	33	42	87	47	58	73
	Hungary	69	71	75	69	72	27	70	91	46	66	67
	Iceland	65	76	50	54	59	38	47	88	36	62	78
	Ireland	74	70	58	70	68	46	56	76	42	60	77
	Italy	79	81	54	49	61	33	40	85	46	62	61
	Japan	71	76	84	54	83	35	38	80	50	75	78
	Korea	69	63	63	60	84	36	36	68	43	77	63
	Luxembourg	72	75	58	54	59	32	52	79	45	58	65
	Mexico	76	56	42	44	48	18	33	78	18	51	42
	Netherlands	77	87	55	70	70	42	53	84	51	68	83
	New Zealand	78	74	60	58	73	47	48	84	55	67	86
	Norway	80	70	68	54	53	32	60	76	47	57	72
	Poland	69	73	65	65	64	36	61	84	44	52	71
	Portugal	71	74	55	49	64	32	44	87	26	60	77
	Slovak Republic	74	75	65	51	69	34	60	83	45	53	75
	Spain	73	76	54	51	63	25	55	86	45	64	68
	Sweden	82	78	68	55	67	39	59	82	55	56	76
	Switzerland	79	78	65	60	67	35	57	82	44	63	75
	Turkey	52	49	55	26	51	20	21	82	17	46	66
	United Kingdom	82	78	62	61	70	39	59	83	58	64	78
	United States	73	70	51	54	66	35	41	76	41	58	76
	OECD average	75	75	62	58	67	36	53	82	45	61	74
	Partners	Argentina	60	58	44	34	55	15	31	75	19	53
Azerbaijan		47	36	15	30	45	11	10	72	8	31	42
Brazil		63	61	37	33	44	17	28	71	14	46	46
Bulgaria		60	62	40	37	60	22	33	81	30	47	63
Chile		66	59	53	38	57	32	30	82	29	45	61
Chinese Taipei		69	90	87	69	81	38	35	77	56	66	71
Colombia		62	52	24	34	52	28	30	63	20	46	44
Croatia		65	84	60	62	70	39	46	86	34	67	81
Estonia		74	79	70	68	78	42	55	77	53	63	84
Hong Kong- China		79	89	87	73	79	43	74	85	61	62	64
Indonesia		75	67	12	14	49	13	5	54	24	35	61
Israel		63	72	34	41	51	35	50	80	34	58	69
Jordan		78	69	41	50	54	30	23	80	28	53	67
Kyrgyzstan		32	42	23	15	41	11	16	57	7	26	42
Latvia		66	74	52	62	78	37	48	88	25	58	78
Liechtenstein		86	82	70	68	63	34	63	85	43	61	73
Lithuania		82	68	66	52	74	37	60	73	46	54	70
Macao-China		76	87	84	56	74	29	55	81	57	55	56
Montenegro		60	57	31	40	56	19	18	76	18	39	67
Qatar		57	47	16	21	35	8	23	53	14	39	30
Romania		48	59	37	38	52	19	22	76	25	51	49
Russian Federation		67	77	49	47	74	34	30	90	36	60	78
Serbia		64	65	30	37	65	24	30	84	26	50	76
Slovenia	76	78	51	70	77	43	60	89	47	67	84	
Thailand	79	59	46	23	57	24	43	81	12	36	49	
Tunisia	49	54	21	28	45	21	24	83	25	62	29	
Uruguay	70	67	51	40	53	27	40	72	33	55	49	

ANNEX C

List of questions with codes and sources

READING SAMPLE TASKS

Unit	Source	Question	Item code
1 Lake Chad	PISA 2000 survey	1.1	R040Q02
		1.2	R040Q03a
		1.3	R040Q03b
		1.4	R040Q04
		1.5	R040Q06
2 Flu	PISA 2000 survey	2.1	R077Q02
		2.2	R077Q03
		2.3	R077Q04
		2.4	R077Q05
		2.5	R077Q06
3 Graffiti	PISA 2000 survey	3.1	R081Q01
		3.2	R081Q05
		3.3	R081Q06a
		3.4	R081Q06b
4 Labour	PISA 2000 survey	4.1	R088Q01
		4.2	R088Q03
		4.3	R088Q04
		4.5	R088Q05
		4.6	R088Q07
5 Plan International	PISA 2000 survey	5.1	R099Q04a
		5.2	R099Q04b
6 Police	PISA 2000 survey	6.1	R100Q04
		6.2	R100Q05
		6.3	R100Q06
		6.4	R100Q07
7 Runners	PISA 2000 survey	7.1	R110Q01
		7.2	R110Q04
		7.3	R110Q05
		7.4	R110Q06
8 Gift	PISA 2000 survey	8.1	R119Q01
		8.2	R119Q04
		8.3	R119Q05
		8.4	R119Q06
		8.5	R119Q07
		8.6	R119Q08
		8.7	R119Q09

Unit	Source	Question	Item code	
9	Amanda and the Duchess	PISA 2000 survey	9.1	R216Q01
			9.2	R216Q02
			9.3	R216Q03
			9.4	R216Q04
			9.5	R216Q06
10	Personnel	PISA 2000 survey	10.1	R234Q01
			10.2	R234Q02
11	New Rules	PISA 2000 survey	11.1	R236Q01
			11.2	R236Q02
12	Moreland	PISA 2000 field trial	12.1	R091Q01
			12.2	R091Q02
13	Warranty	PISA 2000 field trial	13.1	R107Q01
			13.2	R107Q02
			13.3	R107Q03
			13.4	R107Q05
14	A Just Judge	PISA 2000 field trial	14.1	R109Q01
			14.2	R109Q03
			14.3	R109Q04
			14.4	R109Q05
			14.5	R109Q09
			14.6	R109Q10
15	In Poor Taste	PISA 2000 field trial	15.1	R112Q01
			15.2	R112Q03
16	Bullying	PISA 2000 field trial	16.1	R118Q02
			16.2	R118Q03
17	Bees	PISA 2000 field trial	17.1	R217Q01
			17.2	R217Q02
			17.3	R217Q03
			17.4	R217Q05

MATHEMATICS SAMPLE TASKS

Unit	Source	Question	Item code
1 Farms	PISA 2000 survey	1.1	M037Q01
		1.2	M037Q02
2 Walking	PISA 2000 survey	2.1	M124Q01
		2.2	M124Q03
3 Apples	PISA 2000 survey	3.1	M136Q01
		3.2	M136Q02
		3.3	M136Q03
4 Cubes	PISA 2000 survey	4.1	M145Q01
5 Continent Area	PISA 2000 survey	5.1	M148Q02
6 Growing Up	PISA 2000 survey	6.1	M150Q01
		6.2	M150Q03
		6.3	M150Q02
7 Speed of Racing Car	PISA 2000 survey	7.1	M159Q01
		7.2	M159Q02
		7.3	M159Q03
		7.4	M159Q04
8 Triangles	PISA 2000 survey	8.1	M161Q01
9 Robberies	PISA 2000 survey	9.1	M179Q01
10 Carpenter	PISA 2000 survey	10.1	M266Q01
11 Internet Relay Chat	PISA 2003 survey	11.1	M402Q01
		11.2	M402Q02
12 Exchange Rate	PISA 2003 survey	12.1	M413Q01
		12.2	M413Q02
		12.3	M413Q03
13 Exports	PISA 2003 survey	13.1	M438Q01
		13.2	M438Q02
14 Coloured Candies	PISA 2003 survey	14.1	M467Q01
15 Science Tests	PISA 2003 survey	15.1	M468Q01
16 Bookshelves	PISA 2003 survey	16.1	M484Q01
17 Litter	PISA 2003 survey	17.1	M505Q01
18 Earthquake	PISA 2003 survey	18.1	M509Q01
19 Choices	PISA 2003 survey	19.1	M510Q01
20 Test Scores	PISA 2003 survey	20.1	M513Q01
21 Skateboard	PISA 2003 survey	21.1	M520Q01
		21.2	M520Q02
		21.3	M520Q03
22 Staircase	PISA 2003 survey	22.1	M547Q01
23 Number Cubes	PISA 2003 survey	23.1	M555Q02
24 Support for the President	PISA 2003 survey	24.1	M702Q01
25 The Best Car	PISA 2003 survey	25.1	M704Q01

Unit	Source	Question	Item code
		25.2	M704Q02
26 Step Pattern	PISA 2003 survey	26.1	M806Q01
27 Lichen	PISA field trial	27.1	M047Q01
		27.2	M047Q02
28 Coins	PISA field trial	28.1	M143Q01
29 Pizzas	PISA field trial	29.1	M154Q01
30 Shapes	PISA field trial	30.1	M158Q01
		30.2	M158Q02
		30.3	M158Q03
31 Braking	PISA field trial	31.1	M215Q01
		31.2	M215Q02
		31.3	M215Q03
		31.4	M215Q04
		31.5	M215Q05
32 Patio	PISA field trial	32.1	M267Q01
33 Drug Concentrations	PISA field trial	33.1	M307Q01
		33.2	M307Q02
		33.3	M307Q03
34 Building Blocks	PISA field trial	34.1	M309Q01
		34.2	M309Q02
		34.3	M309Q03
		34.4	M309Q04
35 Reaction Time	PISA field trial	35.1	M432Q01
		35.2	M432Q02
36 Water Tank	PISA field trial	36.1	M465Q01
37 Spring Fair	PISA field trial	37.1	M471Q01
38 Swing	PISA field trial	38.1	M472Q01
39 Student Heights	PISA field trial	39.1	M479Q01
40 Payments by Area	PISA field trial	40.1	M480Q01
		40.2	M480Q02
41 Shoes for Kids	PISA field trial	41.1	M515Q01
42 Table Tennis Tournament	PISA field trial	42.1	M521Q01
43 Lighthouse	PISA field trial	43.1	M523Q01
		43.2	M523Q02
		43.3	M523Q03
44 Decreasing CO₂ Levels	PISA field trial	44.1	M525Q01
		44.2	M525Q02
		44.3	M525Q03

Unit	Source	Question	Item code
45 Twisted Building	PISA field trial	45.1	M535Q01
		45.2	M535Q02
		45.3	M535Q03
		45.4	M535Q04
46 Heartbeat	PISA field trial	46.1	M537Q01
		46.2	M537Q02
47 Space Flight	PISA field trial	47.1	M543Q01
48 Rock Concert	PISA field trial	48.1	M552Q01
49 Moving Walkways	PISA field trial	49.1	M703Q01
50 Postal Charges	PISA field trial	50.1	M836Q01
		50.2	M836Q02

SCIENCE SAMPLE TASKS

Unit	Source	Question	Item code
1 Semmelweis' Diary	PISA 2000 survey	1.1	S195Q02
		1.2	S195Q04
		1.3	S195Q05
		1.4	S195Q06
2 Ozone	PISA 2000 survey	2.1	S253Q01
		2.2	S253Q02
		2.3	S253Q05
3 Daylight	PISA 2003 survey	3.1	S129Q01
		3.2	S129Q02
4 Cloning	PISA 2003 survey	4.1	S128Q01
		4.2	S128Q02
		4.3	S128Q03
5 Greenhouse	PISA 2006 survey	5.1	S114Q03
		5.2	S114Q04
		5.3	S114Q05
6 Clothes	PISA 2006 survey	6.1	S213Q01
		6.2	S213Q02
7 The Grand Canyon	PISA 2006 survey	7.1	S426Q07
		7.2	S426Q03
		7.3	S426Q05
		7.4	S426Q10S
8 Sunscreens	PISA 2006 survey	8.1	S447Q02
		8.2	S447Q03
		8.3	S447Q04
		8.4	S447Q05
9 Mary Montagu	PISA 2006 survey	9.1	S477Q02
		9.2	S477Q03
		9.3	S477Q04
		9.4	S477Q10S
10 Acid Rain	PISA 2006 survey	10.1	S485Q02
		10.2	S485Q03
		10.3	S485Q05
		10.4	S485Q10N
		10.5	S485Q10S
11 Physical Exercise	PISA 2006 survey	11.1	S493Q01
		11.2	S493Q03
		11.3	S493Q05
12 Genetically Modified Crops	PISA 2006 survey	12.1	S508Q02
		12.2	S508Q03
		12.3	S508Q10N

Unit	Source	Question	Item code
13 Biodiversity	PISA field trial	13.1	S126Q03
		13.2	S126Q04
14 Buses	PISA field trial	14.1	S127Q01
		14.2	S127Q04
15 Climate Change	PISA field trial	15.1	S210Q01
16 Flies	PISA field trial	16.1	S212Q01
		16.2	S212Q02
17 Calf Clones	PISA field trial	17.1	S251Q01
		17.2	S251Q04
18 Corn	PISA field trial	18.1	S307Q02
		18.2	S307Q05
		18.3	S307Q07
19 Fit for Drinking	PISA field trial	19.1	S409Q01
		19.2	S409Q02
		19.3	S409Q04
		19.4	S409Q06
		19.5	S409Q07
		19.6	S409Q10N
20 Tooth Decay	PISA field trial	20.1	S414Q01
		20.2	S414Q04
		20.3	S414Q08
		20.4	S414Q10N
21 Hot Work	PISA field trial	21.1	S420Q01
		21.2	S420Q03
		21.3	S420Q10N
22 Mousepox	PISA field trial	22.1	S423Q01
		22.2	S423Q02
		22.3	S423Q03
		22.4	S423Q10N
23 Stickleback Behaviour	PISA field trial	23.1	S433Q01
		23.2	S433Q02
		23.3	S433Q03
24 Tobacco Smoking	PISA field trial	24.1	S439Q01
		24.2	S439Q02
		24.3	S439Q05
		24.4	S439Q06
		24.5	S439Q10N
25 Starlight	PISA field trial	25.1	S441Q01
		25.2	S441Q02

Unit	Source	Question	Item code
26 Ultrasound	PISA field trial	26.1	S448Q03
		26.2	S448Q04
		26.3	S448Q05
		26.4	S448Q10N
27 Lip Gloss	PISA field trial	27.1	S470Q01
		27.2	S470Q02
		27.3	S470Q03
28 Evolution	PISA field trial	28.1	S472Q01
		28.2	S472Q02
		28.3	S472Q03
		28.4	S472Q10N
29 Bread Dough	PISA field trial	29.1	S505Q01
		29.2	S505Q02
		29.3	S505Q03
		29.4	S505Q04
30 Transit of Venus	PISA field trial	30.1	S507Q01
		30.2	S507Q02
		30.3	S507Q04
31 Health Risk	PISA field trial	31.1	S515Q01
		31.2	S515Q03
		31.3	S515Q10N
32 Catalytic Converter	PISA field trial	32.1	S516Q01
		32.2	S516Q02
		32.3	S516Q04
		32.4	S516Q10N
33 Major Surgery	PISA field trial	33.1	S526Q01
		33.2	S526Q02
		33.3	S526Q03
		33.4	S526Q04
		33.5	S526Q10N
34 Wind Farms	PISA field trial	34.1	S529Q01
		34.2	S529Q02
		34.3	S529Q03
		34.4	S529Q04

ANNEX D

Guide to further reading

The publications listed here are all available through the PISA website (www.pisa.oecd.org) and can be downloaded free of charge. Many participating countries publish national reports.

PISA 2006 Publications

OECD (2008) *PISA 2006 Technical Report*, OECD, Paris.

OECD (2007) *PISA 2006 Science Competencies for Tomorrow's World*, OECD, Paris.

OECD (2006) *Assessing Scientific, Reading and Mathematical Literacy: A framework for PISA 2006*, OECD, Paris.

PISA 2003 Publications

OECD (2006) *Where Immigrant Students Succeed - A Comparative Review of Performance and Engagement in PISA 2003*, OECD, Paris.

OECD (2005) *Are Students Ready for a Technology-Rich World? What PISA Studies Tell Us*, OECD, Paris.

OECD (2005) *PISA 2003 Technical Report*, OECD, Paris.

OECD (2005) *PISA 2003 Data Analysis Manual SAS® Users*, OECD, Paris.

OECD (2005) *PISA 2003 Data Analysis Manual SPSS® Users*, OECD, Paris.

OECD (2004) *Learning for Tomorrow's World – First Results from PISA 2003*, OECD, Paris.

OECD (2004) *Problem Solving for Tomorrow's World – First Measures of Cross Curricular Competencies from PISA 2003*, OECD, Paris.

OECD (2003) *PISA 2003 Assessment Framework: Mathematics, Reading, Science and Problem Solving Knowledge and Skills*, OECD, Paris.

PISA 2000 Publications

OECD (2005) *School factors related to Quality and Equity*, OECD, Paris.

OECD (2004) *Messages from PISA 2000*, OECD, Paris.

OECD (2004) *What Makes School Systems Perform*, OECD, Paris.

OECD (2003) *Student Engagement at School: A Sense of Belonging and Participation*, OECD, Paris.

OECD (2003) *Learners for Life: Student Approaches to Learning*, OECD, Paris.

OECD (2003) *Literacy Skills for the World of Tomorrow: Further Results from PISA 2000*, OECD, Paris.

OECD (2002) *Reading for Change: Performance and Engagement Across Countries*, OECD, Paris.

OECD (2001) *Knowledge and skills for life – First results from the OECD Programme for International Student Assessment (PISA) 2000*, OECD, Paris.

OECD (2002) *Manual for the PISA 2000 Database*, OECD, Paris.

OECD (2002) *PISA 2000 Technical Report*, OECD, Paris.

OECD (2002) *Sample tasks from the PISA 2000 Assessment of reading, mathematical and scientific literacy*, OECD, Paris.

OECD (2000) *Measuring student knowledge and skills - The PISA 2000 Assessment of Reading, Mathematical and Scientific Literacy*, OECD, Paris.

OECD (1999) *Measuring student knowledge and skills - A New Framework for Assessment*, OECD, Paris.

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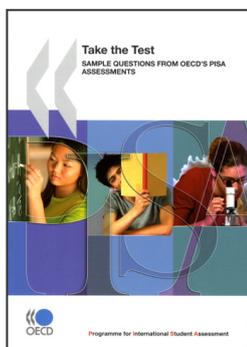
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