

Annex C.
List of tables available online

The following tables, available only in electronic format display the underlying data for the figures in Part I, organised by chapters. Data is presented for countries appearing both in the report and in the online version.

Table C.1. Innovation in practices to develop technical skills in mathematics

Indicator no.	Figure no.	Indicator name
1	2.1	4th grade students memorising rules, procedures and facts in maths
1	2.2	8th grade students memorising rules, procedures and facts in maths
2	2.3	4th grade students using computers to practice skills and procedures in maths
2	2.4	8th grade students using computers to practice skills and procedures in maths
3	2.5	15 year old students using digital devices for practising and drilling
4	2.6	8th grade students solving problems without an immediately obvious method of solution in maths
5	2.7	8th grade students using computers to process and analyse data in maths

StatLink  <https://doi.org/10.1787/888933907279>

Table C.2. Innovation in practices to develop technical skills in science

Indicator No.	Figure No.	Indicator Name
6	3.1	4th grade students memorising rules, procedures and facts in science
6	3.2	8th grade students memorising rules, procedures and facts in science
7	3.3	8th grade science students using formulas and laws to solve routine problems
8	3.4	8th grade science students processing and analysing data on computers
9	3.5	4th grade students using computers to practice skills and procedures in science
9	3.6	8th grade students using computers to practice skills and procedures in science
10	3.7	4th grade science students studying natural phenomena by computer simulations
10	3.8	8th grade science students studying natural phenomena by computer simulations
11	3.9	4th grade science students watching their teachers demonstrate an experiment
11	3.10	8th grade science students watching their teachers demonstrate an experiment
12	3.11	4th grade students conducting experiments and investigations in science
12	3.12	8th grade students conducting experiments and investigations in science
13	3.13	15 year old science students doing practical experiments in laboratories

StatLink  <https://doi.org/10.1787/888933907298>

Table C.3. Innovation in practices to develop reading and language art skills

Indicator No.	Figure No.	Indicator Name
14	4.1	4th grade students in reading being taught strategies to decode sounds and words
15	4.2	4th grade students in reading being taught new vocabulary systematically
16	4.3	4th grade students explaining their understanding of a text in reading lessons
17	4.4	4th grade students explaining the style and structure of a text in reading lessons
18	4.5	4th grade students in reading drawing inferences and generalisations from a text
19	4.6	4th grade students identifying the main ideas of a text in reading lessons
20	4.7	4th grade students using computers to write stories and texts in reading lessons
21	4.8	4th grade students in reading orally examined about a text

StatLink  <https://doi.org/10.1787/888933907317>

Table C.4. Innovation in practices to develop cross-disciplinary technical skills

Indicator No.	Figure No.	Indicator Name
22	5.1	4th grade students reading textbooks and resource materials in science
22	5.2	8th grade students reading textbooks and resource materials in science
23	5.3	4th grade students reading nonfiction work for reading lessons
24	5.4	4th grade students using computers to look up for information in maths
24	5.5	8th grade students using computers to look up for information in maths
25	5.6	4th grade students using computers to look up for information in science
25	5.7	8th grade students using computers to look up for information in science
25	5.8	4th grade students using computers to look up for information in reading lessons

StatLink  <https://doi.org/10.1787/888933907336>

Table C.5. Innovation in practices to develop higher order skills in science and reading

Indicator no.	Figure no.	Indicator name
27	6.1	4th grade students observing and describing natural phenomena in science lessons
27	6.2	8th grade students observing and describing natural phenomena in science lessons
28	6.3	4th grade students designing and planning experiments in science
28	6.4	8th grade students designing and planning experiments in science
29	6.5	15 year old students drawing conclusions from experiments in science
30	6.6	15 year old students being explained the relevance of broad science topics
31	6.7	15 year old students being explained practical applications of science topics
32	6.8	4th grade students comparing read text with own experiences in reading lessons
33	6.9	15 year old students explaining their ideas in science lessons
34	6.10	4th grade students making predictions in a read text in reading lessons
35	6.11	15 year old students using digital devices for playing simulations at school
36	6.12	15 year old students designing their own experiments in science

StatLink  <https://doi.org/10.1787/888933907355>

Table C.6. Innovation in personalised, collaborative and teacher-directed learning practices in reading

Indicator no.	Figure no.	Indicator name
37	7.1	4th grade students reading items of their own choice in reading lessons
38	7.2	4th grade students given time to read books of their own choice for reading lessons
39	7.3	Individualized instruction in 4th grade reading lessons
40	7.4	Frequency of teaching reading as a whole-class activity in 4th grade
41	7.5	4th grade students working independently on an assigned plan in reading
42	7.6	Frequency of teachers reading aloud to the class in 4th grade reading lessons
43	7.7	4th grade students discussing read text with peers in reading lessons
44	7.8	4th grade students using computers to work and communicate with peers
45	7.9	Same-ability class grouping in 4th grade reading lessons
46	7.10	Mixed-ability class grouping in 4th grade reading lessons

StatLink  <https://doi.org/10.1787/888933907374>

Table C.7. Innovation in homework practices

Indicator no.	Figure no.	Indicator name
47	8.1	Frequency of homework in 8th grade maths
47	8.2	Frequency of homework in 8th grade science
48	8.3	8th grade students being monitored for homework completion in maths
48	8.4	8th grade students being monitored for homework completion in science
49	8.5	8th grade students correcting their own homework in maths
49	8.6	8th grade students correcting their own homework in science
50	8.7	8th grade students discussing homework in maths
50	8.8	8th grade students discussing homework in science

□ StatLink  <https://doi.org/10.1787/888933907393>

Table C.8. Innovation in assessment practices

Indicator no.	Figure no.	Indicator name
51	9.1	Correction of assignments and feedback in 8th grade maths
51	9.2	Correction of assignments and feedback in 8th grade science
52	9.3	8th grade students assessed through classroom tests in maths
52	9.4	8th grade students assessed through classroom tests in science
53	9.5	8th grade students assessed through regional or national tests in maths
53	9.6	8th grade students assessed through regional or national tests in science
54	9.7	4th grade students taking written tests in reading
55	9.8	4th grade students assessed for reading through classroom tests
56	9.9	4th grade students assessed for reading through regional or national tests

□ StatLink  <https://doi.org/10.1787/888933907412>

Table C.9. Innovation in learning scaffolding practices in reading

Indicator no.	Figure no.	Indicator name
57	10.1	Availability of an aide for 4th grade students who have reading difficulty
58	10.2	Waiting for maturation to improve performance in 4th grade reading
59	10.3	Spending more time on 4th grade students beginning to fall behind in reading
60	10.4	Parental help for 4th grade students beginning to fall behind in reading

□ StatLink  <https://doi.org/10.1787/888933907431>

Table C.10. Innovation in access and use of learning resources

Indicator no.	Figure no.	Indicator name
61	11.1	4th grade students with access to a science laboratory at school
61	11.2	8th grade students with access to a science laboratory at school
62	11.3	4th grade students with access to a school library
63	11.4	4th grade students with access to a library or reading corner in the classroom
64	11.5	4th grade students borrowing books from the classroom library
65	11.6	4th grade students using computers at school
66	11.7	4th grade students visiting a library other than the classroom library
67	11.8	15 year old students with access to desktop computers at school
68	11.9	15 year old students with access to laptops or notebooks at school
69	11.10	4th grade students with computers or tablets available during maths lessons
69	11.11	8th grade students with computers or tablets available during maths lessons
70	11.12	4th grade students with computers or tablets available during science lessons
70	11.13	8th grade students with computers or tablets available during science lessons
71	11.14	4th grade students with computers or tablets available during reading lessons

□ StatLink  <https://doi.org/10.1787/888933907450>

Table C.11. Innovation in various school-level practices

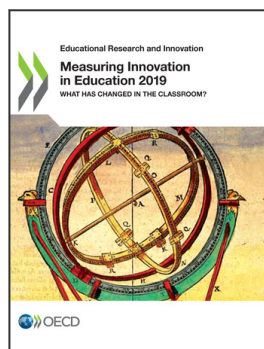
Indicator no.	Figure no.	Indicator name
72	12.1	15 year old students grouped by ability into different classes
73	12.2	15 year old students grouped by ability within classes
74	12.3	Tracking achievement data over time by an administrative authority for 15 year old students
75	12.4	Public posting of school achievement data for 15 year old students
76	12.5	Incentives to recruit or retain 8th grade maths teachers
76	12.6	Incentives to recruit or retain 8th grade science teachers
76	12.7	Incentives to recruit and retain 8th grade teachers besides maths and science
77	12.8	Parental involvement in 4th grade school activities
77	12.9	Parental involvement in 8th grade school activities

□ StatLink  <https://doi.org/10.1787/888933907469>

Table C.12. Innovation in teacher professional development and collaborative practices

Indicator no.	Figure no.	Indicator name
78	13.1	4th grade teacher participation in a programme on mathematics content
78	13.2	8th grade teacher participation in a programme on mathematics content
78	13.3	4th grade teacher participation in a programme on science content
78	13.4	8th grade teacher participation in a programme on science content
79	13.5	4th grade maths teacher participation in programmes on pedagogy
79	13.6	8th grade maths teacher participation in programmes on pedagogy
79	13.7	4th grade science teacher participation in programmes on pedagogy
79	13.8	8th grade science teacher participation in programmes on pedagogy
80	13.9	4th grade maths teacher participation in programmes on curriculum
80	13.10	8th grade maths teacher participation in programmes on curriculum
80	13.11	4th grade science teacher participation in programmes on curriculum
80	13.12	8th grade science teacher participation in programmes on curriculum
81	13.13	4th grade teacher participation in programmes to integrate IT into maths
81	13.14	8th grade teacher participation in programmes to integrate IT into maths
81	13.15	4th grade teacher participation in programmes to integrate IT into science
81	13.16	8th grade teacher participation in programmes to integrate IT into science
82	13.17	4th grade maths teacher participation in programmes for improving students' creativity and critical thinking skills
82	13.18	8th grade maths teacher participation in programmes for improving students' creativity and critical thinking skills
83	13.23	4th grade science teacher participation in programmes on assessment
83	13.24	8th grade science teacher participation in programmes on assessment
84	13.25	4th grade teachers with assistance when students are conducting experiments
84	13.26	8th grade teachers with assistance when students are conducting experiments
85	13.27	4th grade teachers discussing how to teach a particular topic
85	13.28	8th grade maths teachers discussing how to teach a particular topic
85	13.29	8th grade science teachers discussing how to teach a particular topic
86	13.30	4th grade teachers collaborating in planning and preparing lessons
86	13.31	8th grade maths teachers collaborating in planning and preparing lessons
86	13.32	8th grade science teachers collaborating in planning and preparing lessons
87	13.33	4th grade teachers visiting a colleague's classroom to learn about teaching
87	13.34	8th grade maths teachers visiting a colleague's classroom to learn about teaching
87	13.35	8th grade science teachers visiting a colleague's classroom to learn about teaching

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