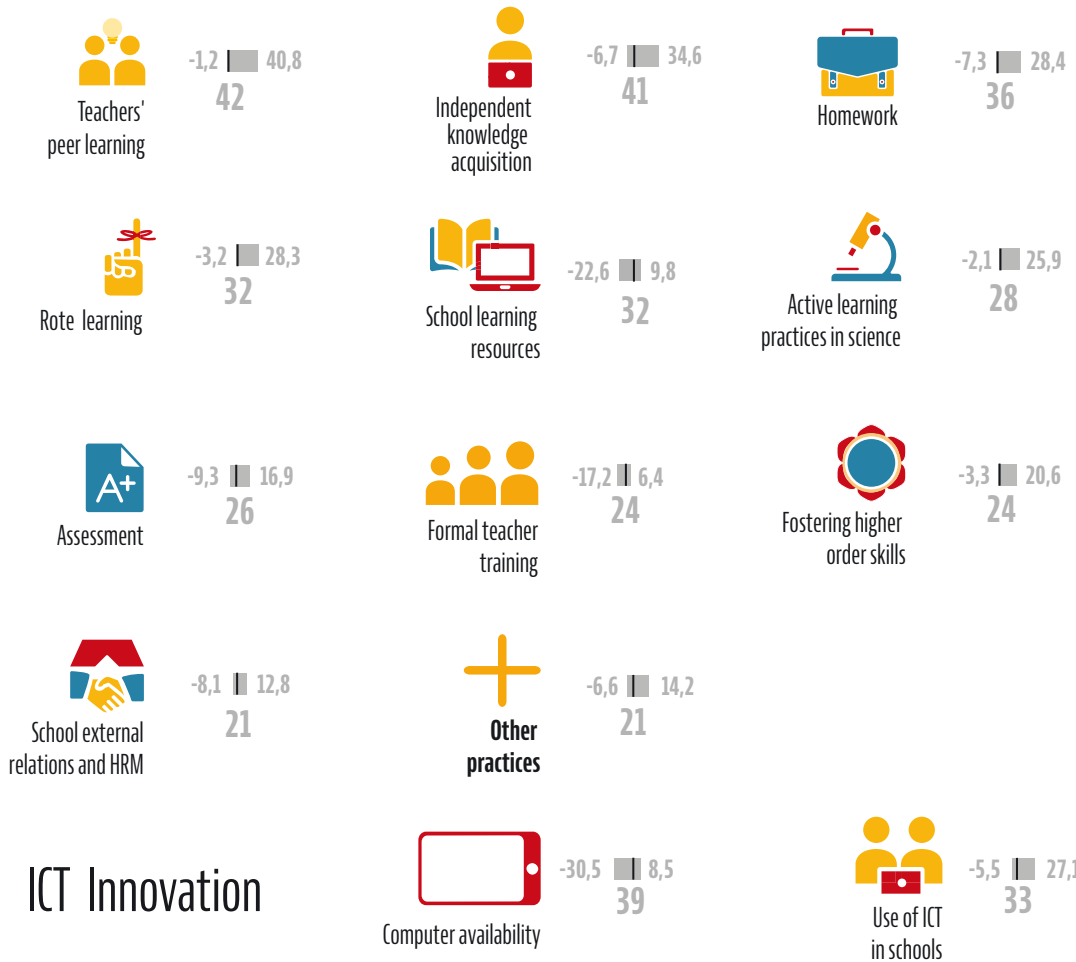


OECD average 30 | Education Innovation Index

Innovation in education by category



Innovation in education by type of practice



ICT Innovation

The indices indicate innovation intensity from small (below 20) to large (over 40). When displayed, positive and negative values show how much of the index corresponds to a expansion and contraction of the covered practices between 2006 and 2016. Authors' calculations based on the PIRLS, PISA and TIMSS databases.



OECD

Between 2006 and 2016, on average OECD systems have experienced a moderate level of innovation in their teaching, learning and school level practices. Innovation has been equally distributed between primary and secondary education. Students in OECD systems have experienced a relatively high level of change in their maths education practices, moderate change in science and a more modest change in reading, a discipline where there has been stability in many OECD systems. Innovation related to technology took the form of a decrease in access to computers in schools, but more use of ICT in school or class. On average, innovation lay in the spread of teacher peer learning, a very promising change, but also in independent knowledge acquisition practices in class, and in homework practices.

Some trends in educational outcomes



Academic outcome in primary maths
 Student satisfaction in primary and secondary education
 Student enjoyment in primary and secondary science lessons
 Teachers' collective ambition for their students in primary and secondary education
 Teachers' collective self-efficacy in primary and secondary education



Academic outcome in primary and secondary science
 Academic outcome in secondary maths
 Academic outcome in primary reading

Practices that changed the most

Primary

42 more students in 100 frequently practised maths skills and procedures on computers, reaching a **51%** coverage

32 less students in 100 had computers (including tablets) available during reading lessons, reaching a **51%** coverage

27 more students in 100 frequently used computers to look up for ideas and information in maths, reaching a **31%** coverage

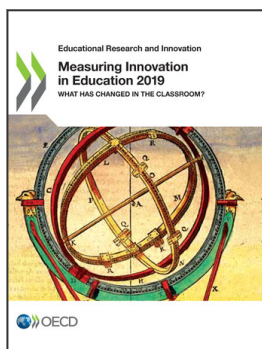
Secondary

36 more students in 100 in maths and **30** more in science systematically discussed homework in class, reaching a **58%** and **55%** coverage respectively

23 more students in 100 frequently practised maths skills and procedures on computers, reaching a **31%** coverage

18 more students in 100 frequently used computers to look up for ideas and information in maths, reaching a **23%** coverage





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