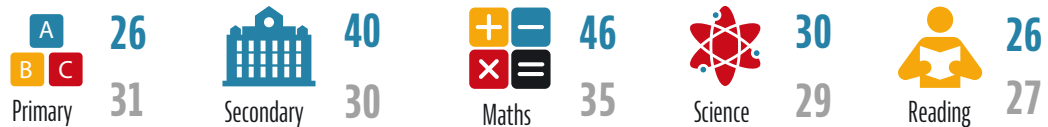


Quebec (CA) 38

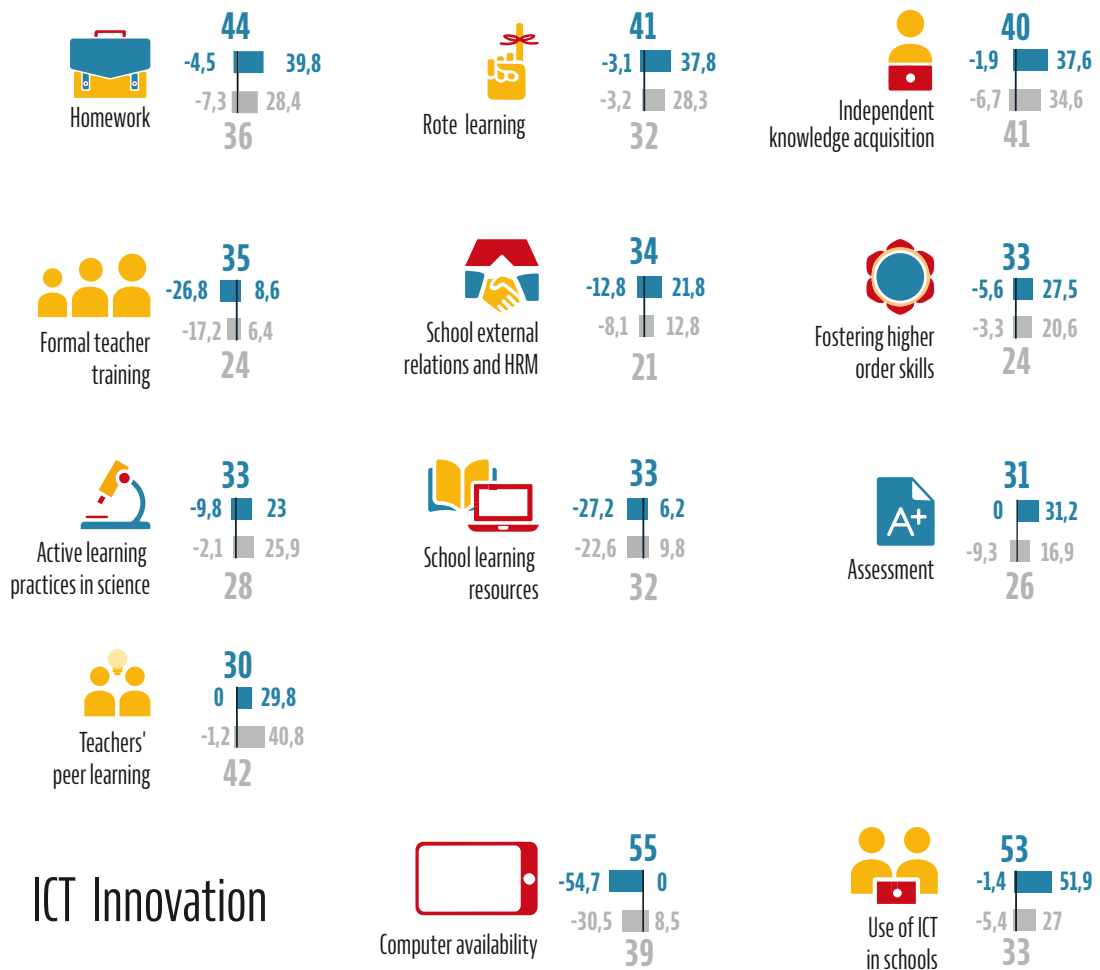
OECD average 30

Education Innovation Index

Innovation in education by category



Innovation in education by type of practice



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.



Quebec (CA)

Between 2006 and 2016, Quebec experienced a high level of innovation in education, much larger than other OECD education systems. Innovation in secondary education has been particularly large. Innovation in maths educational practices was outstanding and drove the high innovation levels in the province, as changes in science and reading were more or less on par with other OECD systems. As in other countries, students have had a bit less access to computers, but have used them more in class. Some of the big changes pertained to homework practices but also to an increase of both rote learning and practices fostering higher order skills. Quebec experienced much more change than its neighbouring province Ontario.

Practices that changed the most

Primary

50 more students in 100 frequently practised maths skills and procedures on computers, reaching a **53%** coverage

47 less students in 100 had computers (including tablets) available for use during reading lessons, reaching a **45%** coverage

31 more students in 100 frequently used computers to look up for ideas and information in maths, reaching a **36%** coverage

Secondary

60 more students in 100 systematically discussed maths homework in class, reaching a **79%** coverage

52 less students in 100 had their teachers participating in a program on maths curriculum, reaching a **25%** coverage

39 more students in 100 frequently practised maths skills and procedures on computers, reaching a **44%** coverage

Some trends in educational outcomes



Academic outcome in secondary science

Academic outcome in primary and secondary maths

Academic outcome in primary reading

Student satisfaction in primary and secondary education

Student enjoyment in secondary science lessons

Teachers' collective self-efficacy in primary and secondary education

Teachers' collective ambition for their students in primary and secondary education



Academic outcome in primary science

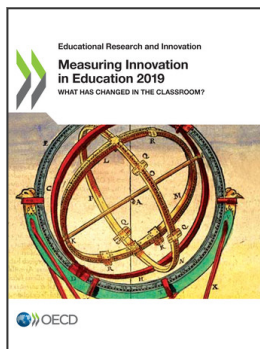
Student enjoyment in primary science lessons

Equity of academic outcomes in primary reading

Equity of academic outcome in primary and secondary science

Equity of academic outcome in primary and secondary maths





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