Skills Outlook Scoreboard – Thriving in a digital world

How does Canada compare?

The Skills Outlook Scoreboard assesses the extent to which Canada is able to make the most of digitalisation. Canada’s performance is measured along 3 main dimensions: Skills for digitalisation, Digital exposure and Skills-related policy effort.

The Scoreboard shows that skills proficiency is quite high in Canada with respect to other OECD countries. Canadians workers are using ICTs on the jobs quite intensively and performing non-routine tasks. In Canada, however, according to OECD estimates, 8.5% of workers are in occupations at high risk of automation and would need moderate training (up to 1 year) to transit to safer occupations at low or medium risk of automation (vs. 10.9% in the OECD). An additional 3.2% would need important training efforts (up to 3 years) to avoid the risk of automation. Results also show that teachers in Canada are well prepared: more than 50% of them are top performers in problem solving in technology-rich environment and use ICTs with the same intensity of other high-skilled workers. In fact, only less than 47% of them report to be in need of training in ICT for teaching.

Note: How to read the data? Low performing students: Percentage of students scoring strictly below Level 2 in PISA (reading, mathematics, science), 2015. Youth with low cognitive and digital skills: Percentage of 16-29 scoring below Level 1 (inclusive) in literacy and numeracy and having no computer experience or having failed ICT core, 2012, 2015. Older people with low cognitive and digital skills: Percentage of 55-65 scoring below Level 1 (inclusive) in literacy and numeracy and having no computer experience or having failed ICT core, 2012, 2015. ICT intensity at work: Median intensity of ICT use across all workers (0-1). Workers needing training to escape high risk of automation: Percentage of employment in occupations at high risk of automation requiring moderate (up to 1 year) or important (up to 3 years) training needs to transition to occupations at low or medium risk of automation (upper bound). Teachers needing ICT training: Percentage of teachers reporting needing further training in ICT for teaching. Enrolment in initial education: Enrolment rates at the age 3 (early childhood education and pre-primary education) and at age 5-15. Adults in training: Percentage of adults participating in non-formal and informal learning over the past 12 months (PIAAC).

Individuals with a well-rounded set of skills are more likely to be able to adapt if digitalisation transforms their job content or everyday activities

Percentage of 16-65 scoring at least Level 3 (inclusive) in literacy and numeracy

Teachers are generally less likely to be top performers in problem-solving skills

Share of top performing teachers and tertiary-educated workers in problem solving in technology-rich environments, by country

Workers more exposed to the risk of automation are less likely to participate in training

Share of workers participating in adult learning (in the last 12 months)

Source: Skills Outlook 2019: Thriving in a digital world. [https://doi.org/10.1787/dff80bc12-en](https://doi.org/10.1787/dff80bc12-en)

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