

Table SK12-8

Average CIL and CT scores of students in grade 8, by education system: 2018

(Average score)

Education system	Average CIL score	Average CT score	OECD country and education system
ICILS 2018 average	496 *	500	na
Chile	476 *	NA	Yes
Denmark ^{a,b}	553 *	527 *	Yes
Finland	531 *	508 *	Yes
France	499 *	501	Yes
Germany	518	486 *	Yes
Italy ^c	461 *	NA	Yes
Kazakhstan ^b	395 *	NA	No
South Korea	542 *	536 *	Yes
Luxembourg	482 *	460 *	Yes
Moscow	549 *	NA	No
North Rhine–Westphalia	515	485 *	No
Portugal ^{b,d}	516	482 *	Yes
United States ^e	519	498	Yes
Uruguay	450 *	NA	No

* $p < 0.05$. Significantly different from the U.S. estimate at the 0.05 level of statistical significance. na = not applicable. NA = not available. s = suppressed for reasons of confidentiality and/or reliability.

CIL = computer and information literacy; CT = computational thinking; ICILS = International Computer and Information Literacy Study; OECD = Organisation for Economic Co-operation and Development.

^a Met guidelines for sample participation rates only after replacement schools were included.

^b National Defined Population covers 90%–95% of National Target Population.

^c Data collected at the beginning of the school year.

^d Nearly met guidelines for sample participation rates after replacement schools were included.

^e Did not meet the guidelines for a sample participation rate of 85% and was not included in the international average.

Note(s):

The scale of CIL and CT scores is 100–700. The ICILS 2018 average is the average of all participating education systems meeting international technical standards, with each education system weighted equally.

Source(s):

International Association for the Evaluation of Educational Achievement (IEA), ICILS, 2018. <https://nces.ed.gov/surveys/icils/icils2018/theme1.asp?tabontop>.

Science and Engineering Indicators