ICILS USA

NCES is authorized to conduct ICILS under the Education Sciences Reform Act of 2002 (ESRA 2002; 20 U.S.C. § 9543). Information collected will help the U.S. Department of Education's ongoing efforts to benchmark student achievement in the United States. Participation is voluntary. By law, data collected may be used only for statistical purposes and may not be disclosed, or used, in identifiable form for any other purpose except as required by law (20 U.S.C. § 9573). The U.S. Office of Management and Budget has approved the data collection under OMB # 1850-0929. Individual responses will be combined with those from other participants to produce summary statistics and reports.

Participating countries and other education systems in ICILS 2013[1]

Argentina
 Buenos Aires
Australia
Canada
 Newfoundland,
 Labrador and
 Ontario
Chile
Croatia
Czech Republic
Denmark
Germany

Hong Kong SAR
Korea
Lithuania
Netherlands
Norway
Poland
Russian Federation
Slovak Republic
Slovenia
Switzerland
Thailand
Turkey

[1] Participating education systems for ICILS 2018 are still being decided.

IEA

ies NATIONAL CENTER FOR EDUCATION STATISTICS

International Computer and Information Literacy Study

2017 Field Test

What is ICILS?

The International Computer and Information Literacy Study (ICILS) is an international assessment designed to measure computer and information literacy skills at the eighth grade, student experience with technology, as well as school and teacher policies, resources and practices related to the use of technology in the classroom. ICILS was developed internationally as a response to the increasing use of information and communication technology (ICT) in modern society and the need for citizens to develop relevant skills to participate effectively in the digital age. ICILS was first administered internationally in 2013 in 21 education systems and will be administered again in 2018. The United States will participate for the first time in spring 2018. In 2018, ICILS will involve students from about 20 countries. Prior to the 2018 ICILS administration, some countries, including the United States, will participate in a small-scale field test in 2017 to test out new items to ensure the they are valid and fair to students in participating countries.

ICILS is sponsored by the International Association for the Evaluation of Educational Achievement (IEA) and conducted in the United States by the National Center for Education Statistics (NCES), the U.S. Department of Education.

Why is ICILS important?

ICILS provides a unique opportunity to compare U.S. student skills and experience using technology with that of their peers in other nations, and to provide data on factors that may be associated with student computer and information literacy skills. The results inform national discussions about education, computer and information literacy, as well as international competitiveness.

ICILS provides valuable benchmark information on how U.S. students compare to students around the world, allows educators and policymakers to examine other education systems for practices that could be applied in the United States, and contributes to ongoing discussions of ways to improve the quality of education of all students.

What type of assessment is ICILS?

ICILS is developed through an international collaborative process involving input from the United States, other participating countries, and international experts in computer and information literacy and measurement. In a final step, the assessment contains small discrete tasks that take less than a minute to complete, and large interactive tasks that take 15–20 minutes. These tasks ask students to create an informational product such as a poster, presentation, or web page using digital tools such as a website builder or online database. The assessment contains a mix of interactive computer tasks. Examples of released ICILS items are available at www.iea.nl/icils_2013_example _module.html.

Key findings from ICILS 2013

Findings from ICILS 2013 were published by the IEA in **Preparing for Life in a Digital Age: The IEA International Computer and Information Literacy Study International Report**[1] in 2014.

Please go to this webpage to view an IEA infographic: www.iea.nl/fileadmin/user_upload/ Studies/ICILS_2013/ICILS_2013_ infographic.pdf

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[1] www.iea.nl/fileadmin/user_upload/Publications/ Electronic_versions/ICILS_2013_International_Report.pdf

For more information, please go to: nces.ed.gov/surveys/icils