

Measure Up

NAEP NEWS FOR THE SCHOOL COMMUNITY



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FALL 2014

NAEP IN YOUR SCHOOL

INTRODUCING NAEP TO STUDENTS

Every year, the nation depends on our schools and its students who have been selected for NAEP. If you have been selected, you probably have questions about the assessment.

NAEP works to ensure that participating in the assessment causes as little disruption as possible for teachers and students. NAEP provides a comprehensive administration system and [a full complement of informational material about the assessment and its goals](#). Take a look at the [short video of students](#) and see what they have to say about NAEP.



AN INTRODUCTION TO THE NATIONAL INDIAN EDUCATION STUDY

The [National Indian Education Study \(NIES\)](#) is designed to describe the condition of education for American Indian and Alaska Native (AI/AN) students in the United States. What is the purpose of NIES? Why is participation important for American Indian and Alaska Native students and communities? Find out in the video below introducing the NIES study.



WHAT'S HAPPENING IN THE WORLD OF NAEP?

THE NAEP 2015 PROGRAM

- Subjects: [mathematics](#), [reading](#), and [science](#)
- Grades: 4, 8, and 12
- Some schools will take paper and pencil assessments, and others will take the pilot technology-based assessment. Results will only be release for the paper and pencil assessments.



For more information about NAEP, visit:
<http://nces.ed.gov/nationsreportcard>

Find us on:



NAEP IS MORE THAN AN ASSESSMENT!

Here are tools to help with school, college and beyond.

Information for Students: Grades 4–8

Test Yourself

A fun challenge for history stars, math geniuses, and quiz wizards alike! Pick your favorite subject and try to beat the scores of students from across the nation.

Read All About It

Check out this list of classic Summertime Favorite books. Which of your favorites made the list?

Dare to Compare

How do you compare with students nationally and from around the world? Pick a subject and select a grade, then try these questions and see how your skills stack up.

Create a Graph

Graphs and charts are a great way to get your point across quickly and visually. Illustrate your points with the NCES graphing tool.

Read Between the Lines

See your favorite books in a new way in this online library of works from around the world. Feeling adventurous? Pick a book written in a foreign language and use the pictures to guide you through the story, or to help you create your own!

Information for Students: Grades 8–12

Test Yourself

Pick a subject, submit your answers, and see how students across the nation did on these questions from past NAEP assessments.

State Profiles

Learn more about education in your state. Find information about past NAEP performance, school details, the student population, and more...

Science Tools

Launch a hot air balloon from your keyboard and prove your theories of flight in this interactive experiment. No lab goggles required!

Create a Graph

Graphs and charts are a great way to get your point across quickly and visually. Illustrate your points with the NCES graphing tool.

Read All About It

Check out this list of classic Summertime Favorite books. Which of your favorites made the list?

Explore U.S. History

Learn more about our nation's wild past with the interactive Lewis and Clark Expedition. Follow their journey and learn about our nation as it was then and is now.

Links

Whether you are thinking about after-school jobs, college, or community service options, there are many ways to broaden your education outside of school walls. Click here for more information and helpful links from many different areas.

INTRODUCING NAEP TO TEACHERS AND PARENTS

In the short videos below, school staff and teachers share their thoughts on NAEP. Parents learn about NAEP and what to expect from the assessment.

INTRODUCING NAEP TO TEACHERS



▶ Introducing NAEP to Teachers

WHAT EVERY PARENT SHOULD KNOW ABOUT NAEP

The infographic provides a comprehensive overview of NAEP. It includes sections on 'NAEP in a Nutshell', 'How would my child stack up?' (comparing student performance to national averages), 'What do all of these NAEP results tell us about education?' (explaining the significance of scores), and 'NAEP Sparks Change Across the Country' (highlighting state-level impacts). It also features a 'Give it a try. Test yourself!' section with a QR code and a 'Look at the full picture' section with a map of the United States.

▶ What Every Parent Should Know About NAEP

TECHNOLOGY-BASED ASSESSMENTS

NAEP will begin to transition the mathematics, reading, and science assessments from paper and pencil to technology-based assessments in 2015. A pilot technology-based assessment will be administered on tablets to students in grades 4, 8, and 12. Each student will be assessed in only one subject. Results from the pilot will not be released but will be used to prepare for the full transition to technology-based assessments by the end of the decade.

Through the following innovative assessments, NAEP is collecting new types of data that provide in-depth understanding of what students know and can do, including how they engage with technology to approach problem solving.

SCIENCE INTERACTIVE COMPUTER TASKS (ICTS)

The NAEP science assessment includes ICTs for grades 4, 8 and 12 that challenge students to solve scientific problems and perform experiments, often by simulation. The full library of released ICTs from the 2009 assessment is available at http://www.nationsreportcard.gov/science_2009/ict_tasks.aspx.



TECHNOLOGY AND ENGINEERING LITERACY (TEL) ASSESSMENT

TEL is a computer-based, cross-curricular assessment that challenges students to perform interactive tasks and engage in solving problems within realistic scenarios. TEL gauges how well students understand and apply technology and engineering principles to real-life situations. To learn more about TEL, visit <http://nces.ed.gov/nationsreportcard/tel>.

WRITING COMPUTER-BASED ASSESSMENT (WCBA) STUDY

The [writing assessment is administered on a computer](#) and asks students to respond to writing prompts delivered in multimedia formats, including short videos and audio.

The [2012 grade 4 writing computer-based assessment \(WCBA\) study](#) was conducted to determine if fourth-grade students could effectively demonstrate their writing knowledge and skills during a computer-delivered assessment.

Lessons learned from the study shed light on what fourth-grade students know and can do, give insight on how fourth-grade students use editing tools to compose their responses, and help further future development of computer-based assessments.

Lessons Learned from the 2012 Grade 4 Writing Computer-Based Assessment (WCBA) Study

Computers are becoming increasingly important in today's classrooms as tools for both teaching and learning, but little is known about the knowledge and skills of elementary students in large-scale computer-based writing assessments. The Grade 4 Writing Computer-Based Assessment (WCBA) study was conducted to determine if fourth-grade students could effectively demonstrate their writing knowledge and skills during a computer-delivered assessment.

The Grade 4 WCBA Study consisted of two parts:

- small-scale usability testing to inform development of the assessment platform for fourth-grade students; and
- a pilot writing assessment administered to a sample of 13,000 students nationwide.

Lessons learned from the study can inform future development of computer-based assessments as well as shed light on what fourth-grade students know and can do. Additionally, we were able to gain insights on fourth-grade students' use of editing tools to compose their responses.

Note that the sample used in this study is not representative of the nation. The performance results only pertain to participants in the pilot study. Please use caution when interpreting these findings.

Click the buttons below to learn more about the study and its findings.



Contact Us
Contact Ebony Walton for Technical Memorandum

Read More
2011 Writing Framework and Specifications

Print Summary
A Printable Summary of Grade 4 WCBA Findings

NAEP AND INTERNATIONAL ASSESSMENTS

The NAEP assessments for mathematics, reading, and science are coordinated with [three international assessments](#): Progress in International Reading Literacy Study (PIRLS), Program for International Student Assessment (PISA), and Trends in International Mathematics and Science Study (TIMSS). The [coordination of the assessments will allow for comparisons](#) between international assessments and NAEP. Take a look at the schedule for [national and international assessment](#) activities for the 2014-2015 school year.

TIMSS 2015

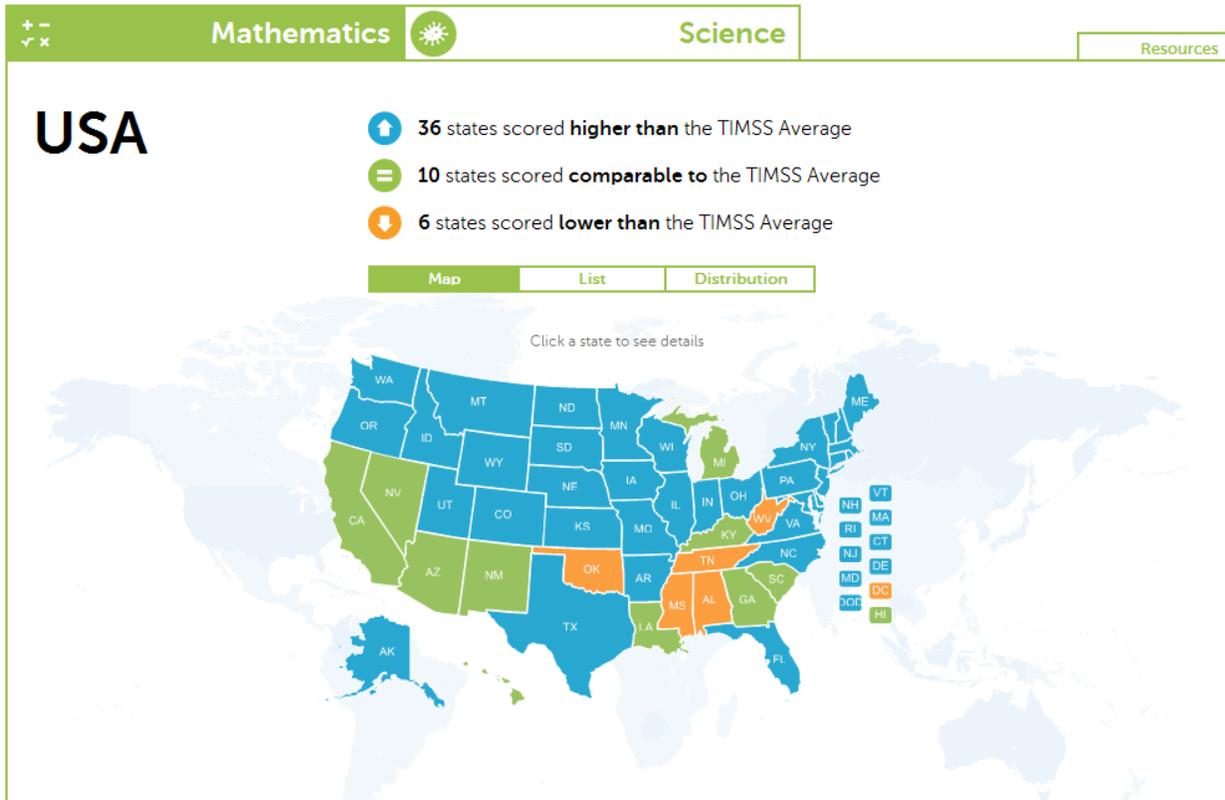
TIMSS is an international assessment and research project designed to measure trends in mathematics and science achievement at the fourth- and eighth-grade levels as well as collect information about school and teacher practices related to instruction. Since 1995, TIMSS has been administered every 4 years. [TIMSS 2015](#), the sixth study in the series, will involve students from more than 50 countries,

including the United States.

TIMSS Advanced measures trends in advanced mathematics and physics achievement for students in their final year of secondary school. It will provide information about how many students are excelling at highly specialized science, technology, engineering, and mathematics (STEM) content in comparison to students in other countries around the world. TIMSS Advanced was administered in 1995 and 2008 and will be administered again in 2015. In 2015, TIMSS Advanced will be administered in 11 countries, including the United States.

2011 NAEP-TIMSS LINKING STUDY

NCES initiated this special study in an effort to link the NAEP scale to the TIMSS scale so that states could compare the performance of their students with that of students in other countries. The [NAEP-TIMSS Linking Study](#) was conducted in 2011 with eighth-grade students in all 52 states/jurisdictions that participated in the NAEP mathematics and science assessments. Click on the image below to compare your state/jurisdiction to the TIMSS average in mathematics and science and other education systems around the world.



ONLINE RESOURCES

NAEP IN YOUR SCHOOL

Information for Selected Schools	http://nces.ed.gov/nationsreportcard/about/schools.aspx
Information for Students	http://nces.ed.gov/nationsreportcard/students
Information for Parents	http://nces.ed.gov/nationsreportcard/parents

WHAT'S HAPPENING IN THE WORLD OF NAEP

Mathematics Assessment	http://nces.ed.gov/nationsreportcard/mathematics
Reading Assessment	http://nces.ed.gov/nationsreportcard/reading
Science Assessment	http://nces.ed.gov/nationsreportcard/science
An Introduction to the National Indian Study	http://nces.ed.gov/nationsreportcard/nies/default.aspx

TECHNOLOGY-BASED ASSESSMENTS

Science Interactive Computer Tasks (ICTs)	http://www.nationsreportcard.gov/science_2009/ict_tasks.aspx
Technology and Literacy (TEL) Assessments	http://nces.ed.gov/nationsreportcard/tel
Writing Computer-Based Assessment (WCBA) Study	http://nces.ed.gov/nationsreportcard/writing

NAEP AND INTERNATIONAL ASSESSMENT ADMINISTRATIONS

NCES International Assessments	http://nces.ed.gov/surveys/international
TIMSS 2015	http://nces.ed.gov/timss/timss15.asp
NAEP-TIMSS Linking Study	http://nces.ed.gov/nationsreportcard/studies/naep_timss