



NAEP and TIMSS 2015



August 27, 2014
DAC Annual Meeting



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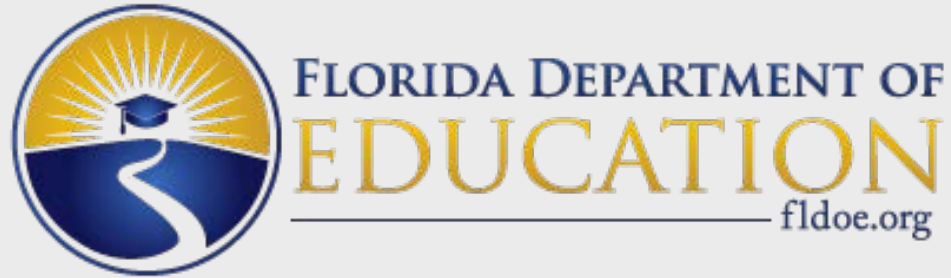
NAEP and TIMSS 2015 in Florida

NAEP – 678 schools in 44 districts and 1 Research School

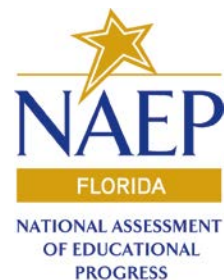
- Grade 4 – 224 Paper-and-Pencil; 63 TBA
- Grade 8 – 196 Paper-and-Pencil; 71 TBA
- Grade 12 – 33 Paper-and-Pencil; 91 TBA

TIMSS – 153 schools in 37 districts

- Grade 4 – 68 TIMSS
- Grade 8 – 68 TIMSS
- Grade 12 – 17 TIMSS Advanced



NAEP 2015



The NAEP 2015 Program – January 26 to March 6

Two types of assessments

1. Paper and Pencil Assessment

- Subjects: mathematics, reading and science
- Grades: 4, 8 and 12
- Results: Dates given below are tentative
 - October 2015: grades 4 and 8 national and state mathematics and reading results
 - December 2015: grades 4 and 8 TUDA mathematics and reading results
 - March 2016: grades 4 and 8 national and state science results
 - April 2016: grade 12 national mathematics, reading and science results

The NAEP 2015 Program – January 26 to March 6

2. Technology-Based Assessment (TBA)

- Subjects: mathematics, reading and science
- Grades: 4, 8 and 12
- Two administrations of 25 students each
- Microsoft Surface Pro 3 tablets provided by Westat
- Results will be used to:
 - prepare for future assessments
 - determine the feasibility of maintaining trend with the transition to TBA

Will substantially different conclusions be reached for major student groups when comparing modes?

National Assessment Governing Board (NAGB) Goal:

NAEP 2017 operational mathematics and reading assessments will be completely technology-based for the first time. <http://www.nagb.org/>

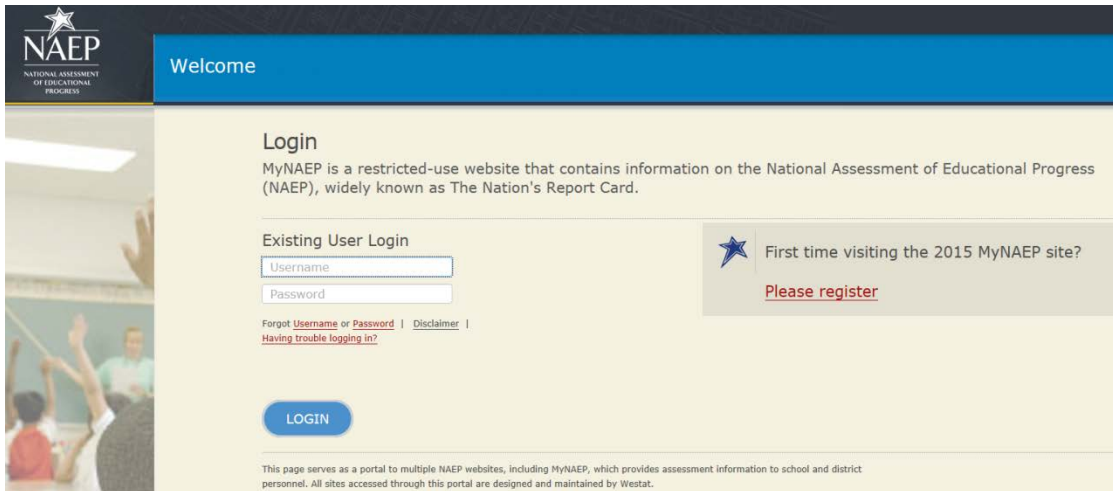
NAEP 2015

- Each student will take NAEP in only one of the 2 different formats in only one of the 3 subject areas
- NAEP representatives will bring all necessary materials and equipment to schools
- NAEP 2015 will include 3 Florida TUDAs
 - Duval County (new in 2015)
 - Hillsborough County (since 2011)
 - Miami-Dade County (since 2009)

School Folders

- School folders include:

- Directions for registering on MyNAEP and completing the Provide School Information (PSI) form--note: enrollment number by grade, not school
- An Overview of NAEP
- NAEP in Your School
- NAEP Tools on the Web
- NAEP Data Explorer
- Strategies for Motivating Grade 8 Students



The screenshot shows the MyNAEP login interface. At the top left is the NAEP logo. A blue banner at the top says "Welcome". Below this is a "Login" section with a description: "MyNAEP is a restricted-use website that contains information on the National Assessment of Educational Progress (NAEP), widely known as The Nation's Report Card." There are two input fields for "Existing User Login": "Username" and "Password". Below these fields are links for "Forgot Username or Password", "Disclaimer", and "Having trouble logging in?". To the right of the login fields is a box with a star icon and the text "First time visiting the 2015 MyNAEP site?" and a red link "Please register". A blue "LOGIN" button is at the bottom of the login section. At the very bottom of the page, there is a small disclaimer: "This page serves as a portal to multiple NAEP websites, including MyNAEP, which provides assessment information to school and district personnel. All sites accessed through this portal are designed and maintained by Westat."

Changes in Pre-Assessment Activities

- List of sampled students will be provided via the MyNAEP website in early December
- On the MyNAEP website, the school NAEP coordinator will have to review the list of sampled students to:
 - Identify withdrawn or ineligible students
 - Update demographic data and SD/ELL classifications
 - Indicate how each student identified as SD and/or ELL should be assessed on NAEP (please keep exclusions to a minimum, especially for Grade 8 Reading)
 - Indicate if a student has a Section 504 Plan and will need testing accommodations
 - Identify any student who is not enrolled in current grade, is a foreign exchange student or does not attend classes on campus

Changes in Pre-Assessment Activities, cont.

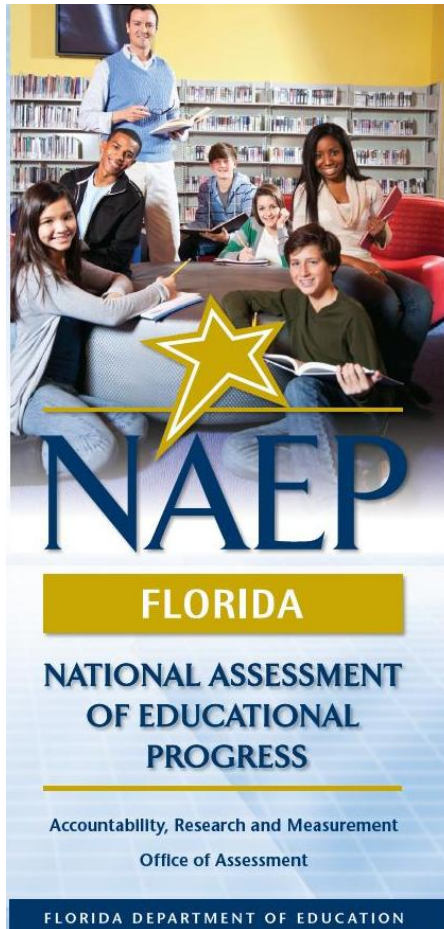
- In-person Pre-assessment Visits (PAV) have been replaced with a Pre-assessment Review Call (PRC)
 - Calls begin in January after return from winter break
 - Purpose: to provide support to the school NAEP coordinator (SNC)
- SNC now required to upload a current roster of students enrolled in the sample grade (by mid-January)
 - Excel template provided on the MyNAEP website
 - SNC will be notified if any new students are added to the sample

Changes in Pre-Assessment Activities, cont.

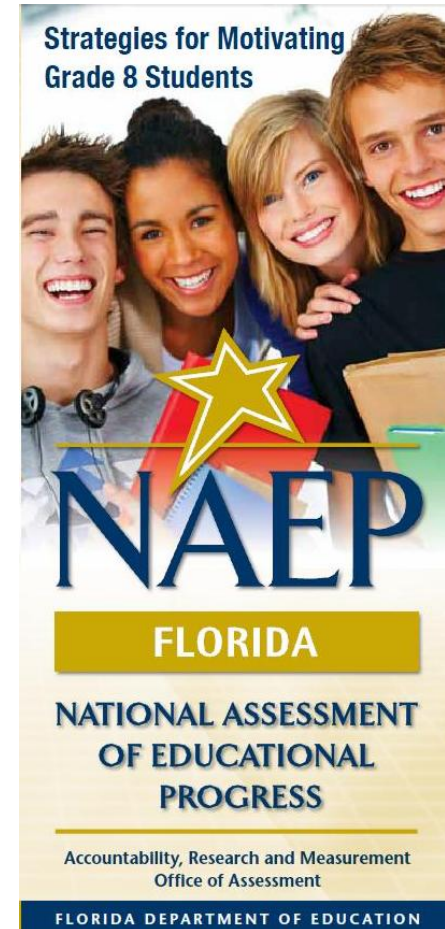
- Copy of Parent/Guardian Notification Letters no longer collected by DACs
 - On the MyNAEP website, SNCs will verify parent/guardian notification at least 2 weeks prior to the assessment
- School and Teacher Questionnaires will be completed online
 - SNC will send questionnaires via email to school principal (or a designee) and to teachers of students in the NAEP sample
 - SNC will track the completion of the questionnaires and be able to send reminder emails, as necessary

Encourage Participation at Grade 8

Student Brochure



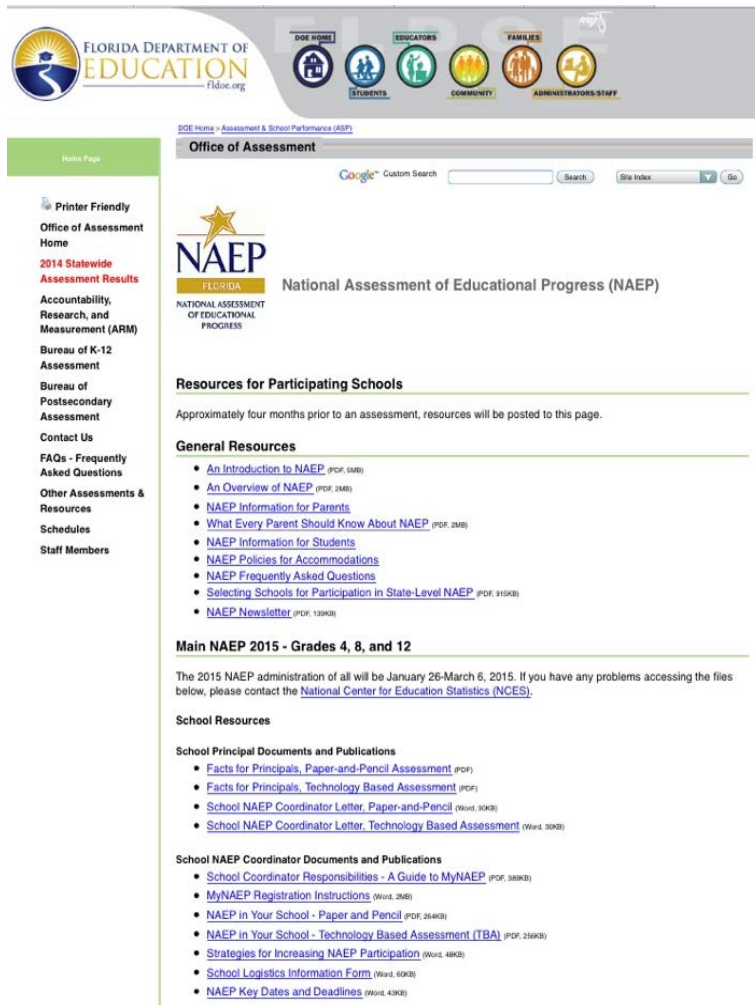
School NAEP Coordinator Brochure



SNC will finalize assessment arrangements

- Provide start times and testing locations
- Provide 2 possible dates for make-up sessions
 - Assessment cancelled due to weather
 - Attendance is less than 90%
- Print and distribute
 - Student Appointment Cards
 - Teacher Notification Letter – date, time, location of sessions
 - List of Sampled Students

NAEP 2015 - <http://fldoe.org/asp/naep/schoolresources.asp>



The screenshot shows the Florida Department of Education's Office of Assessment website. The header includes the Florida Department of Education logo and navigation icons for DOE Home, Students, Educators, Community, Families, and Administrators/Staff. The main content area features the NAEP Florida logo and the text "National Assessment of Educational Progress (NAEP)". Below this, there are sections for "Resources for Participating Schools" (with a note about timing), "General Resources" (listing various documents like "An Introduction to NAEP" and "NAEP Information for Parents"), "Main NAEP 2015 - Grades 4, 8, and 12" (with a note about the 2015 administration dates), "School Resources" (listing documents for principals and coordinators), and "School NAEP Coordinator Documents and Publications" (listing various guides and forms).

Accommodation and Inclusion Documents

- [Inclusion Fact Sheet](#) (PDF, 389KB)

Parent/Guardian Letters

- Parent/Guardian Notification Letters

Best Practices, Guide for Supporting Twelfth-Grade NAEP Participation

Best practices documents and guide will be available in November.

District Resources

- [NAEP 2015 Facts for Districts](#) (PDF)
- [Principal Notification Letter, Paper-and-Pencil Assessment \(August\)](#) (Word, 32KB)
- [Principal Notification Letter, Technology Based Assessment \(August\)](#) (Word, 30KB)
- [DAC NAEP Key Dates and Deadlines](#) (Word, 8KB)

Contact

The NAEP contact for the state of Florida is Michele Sonnenfeld. She can be contacted by email at Michele.Sonnenfeld@fldoe.org or by telephone at 850-245-0513.

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Under Florida law, e-mail addresses are public records. If you do not want your e-mail address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact this office by phone or in writing.

NAEP Questions Tool

<http://nces.ed.gov/nationsreportcard/itmrls>

- Contains over 1,000 released items from different content areas
- Sorts items by domains, objectives, cognitive ability, and difficulty level
- Includes multiple-choice and both short- and extended-response items
- Reports student performance on a specific test items by states and subgroups



The screenshot shows the website header for the Institute of Education Sciences, U.S. Department of Education, National Center for Education Statistics. It includes a search bar, navigation links like 'Newsflash', 'Staff', 'Contact', 'Site Index', and 'Help', and a menu with categories such as 'Publications & Products', 'Surveys & Programs', 'Data Tools', 'Tables & Figures', 'Fast Facts', 'School, College, & Library Search', 'Annual Reports', and 'What's New?'. Below the header, there are navigation tabs for 'ABOUT NAEP...', 'SUBJECT AREAS...', 'HELP', 'SITE MAP', 'CONTACT US', 'GLOSSARY', and 'NEWSFLASH'. A sub-menu under 'ABOUT NAEP...' includes 'SAMPLE QUESTIONS', 'ANALYZE DATA', 'STATE PROFILES', and 'PUBLICATIONS'. The main heading is 'NAEP Questions' with a sub-link 'The Nation's Report Card (home)'. The main content area is titled 'Explore NAEP Questions' and contains a text block explaining that NAEP releases dozens of sample questions to the public, more than 2,000 questions are currently available, and the tools featured here can be used to supplement classroom instruction. Below this text are four interactive buttons: 'Questions Tool >>' (circled in orange), 'Item Maps >>', 'Test Yourself >>', and 'Scoring >>'. Each button has a corresponding image and a brief description of the tool's function. To the right of the main content area is a 'What's New?' section with two bullet points: '2006 civics, economics, and U.S. history assessments' and '207 multiple-choice and 67 constructed-response questions from the 2006 civics, economics, and U.S. history assessments now available in the Questions Tool'. At the bottom right, there is a blue box with the text 'Explore the latest released questions from the 2006 civics, economics, and U.S. history assessments.'



TIMSS 2015



Trends in International Mathematics and Science Study (TIMSS)



- Students in grades 4 and 8 assessed in mathematics and science every 4 years, beginning in 1995
- Students in grade 12 participating in TIMSS Advanced assessed in advanced mathematics and physics. Previously administered in 1995 and 2008
- Because Florida is being over-sampled to obtain state-level results for TIMSS 2015, data reflecting changes over time will be available when the grades 4 and 8 results are released in winter 2016

TIMSS

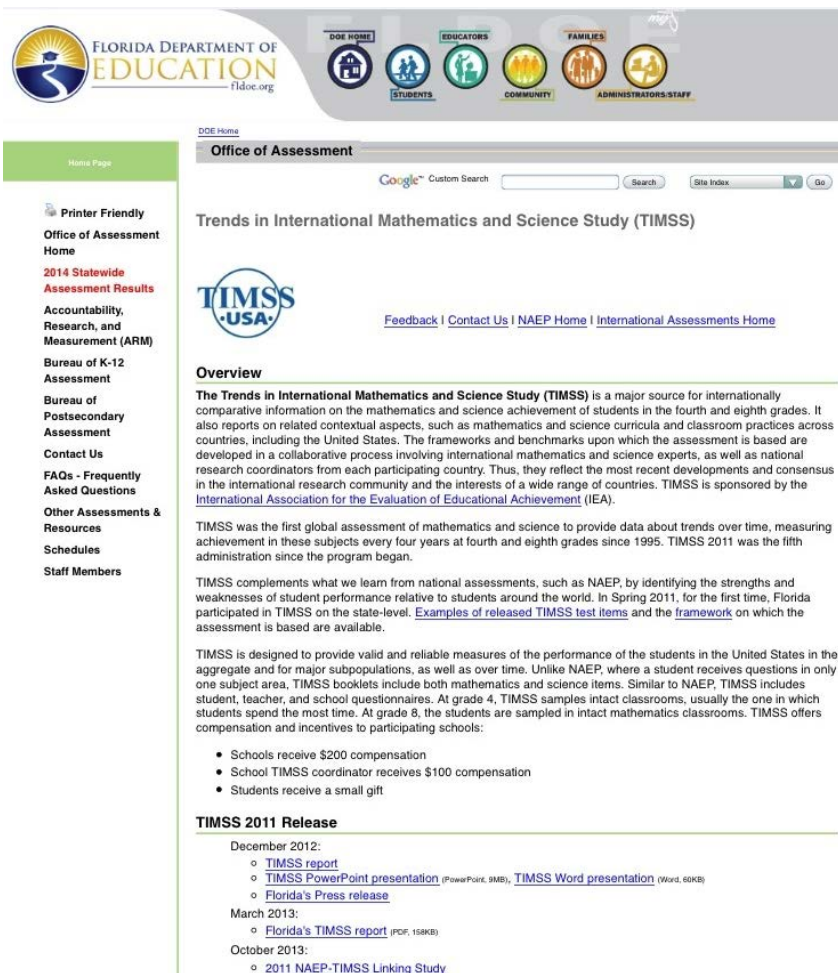
The TIMSS 2015 Program – March 30 to May 29

- Paper and Pencil Assessment
 - Subjects: mathematics and science
 - Grades: 4 and 8
 - Results: international, national, Florida

TIMSS Advanced 2015 Program – March 30 to May 29

- Paper and Pencil Assessment
 - Subjects: advanced mathematics and physics
 - Grade: 12
 - Results: 11 countries, including the U.S.

TIMSS 2015 - <http://fldoe.org/asp/naep/timss.asp>

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Trends in International Mathematics and Science Study (TIMSS)

TIMSS USA

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Overview

The **Trends in International Mathematics and Science Study (TIMSS)** is a major source for internationally comparative information on the mathematics and science achievement of students in the fourth and eighth grades. It also reports on related contextual aspects, such as mathematics and science curricula and classroom practices across countries, including the United States. The frameworks and benchmarks upon which the assessment is based are developed in a collaborative process involving international mathematics and science experts, as well as national research coordinators from each participating country. Thus, they reflect the most recent developments and consensus in the international research community and the interests of a wide range of countries. TIMSS is sponsored by the [International Association for the Evaluation of Educational Achievement \(IEA\)](#).

TIMSS was the first global assessment of mathematics and science to provide data about trends over time, measuring achievement in these subjects every four years at fourth and eighth grades since 1995. TIMSS 2011 was the fifth administration since the program began.

TIMSS complements what we learn from national assessments, such as NAEP, by identifying the strengths and weaknesses of student performance relative to students around the world. In Spring 2011, for the first time, Florida participated in TIMSS on the state-level. [Examples of released TIMSS test items](#) and the [framework](#) on which the assessment is based are available.

TIMSS is designed to provide valid and reliable measures of the performance of the students in the United States in the aggregate and for major subpopulations, as well as over time. Unlike NAEP, where a student receives questions in only one subject area, TIMSS booklets include both mathematics and science items. Similar to NAEP, TIMSS includes student, teacher, and school questionnaires. At grade 4, TIMSS samples intact classrooms, usually the one in which students spend the most time. At grade 8, the students are sampled in intact mathematics classrooms. TIMSS offers compensation and incentives to participating schools:

- Schools receive \$200 compensation
- School TIMSS coordinator receives \$100 compensation
- Students receive a small gift

TIMSS 2011 Release

December 2012:

- [TIMSS report](#)
- [TIMSS PowerPoint presentation](#) (PowerPoint, 9MB), [TIMSS Word presentation](#) (Word, 60KB)
- [Florida's Press release](#)

March 2013:

- [Florida's TIMSS report](#) (PDF, 158KB)

October 2013:

- [2011 NAEP-TIMSS Linking Study](#)

TIMSS 2015

School Resources

Principal Resources

- [Benefits of Participating in TIMSS 2015](#) (Word, 360KB)

School Coordinator Resources

- [School TIMSS Coordinator Letter](#) (Word, 34KB)
- [School TIMSS Advanced Coordinator Letter](#) (Word, 33KB)
- [Strategies for Increasing TIMSS Participation](#) (Word, 48KB)
- [TIMSS Key Dates and Deadlines](#) (Word, 44KB)

District Resources

- [DAC TIMSS Key Dates and Deadlines](#) (Word, 58KB)
- [TIMSS 2015 Principal Letter, August](#) (Word, 54KB)
- [TIMSS Advanced Principal Letter, August](#) (Word, 32KB)

TIMSS at Grades 4 and 8

- [Frequently Asked Questions TIMSS 2015](#) (PDF, 198KB)
- [Trends in International Mathematics and Science Study 2015](#) (PDF, 1MB)
- [Summary of Activities for TIMSS 2015](#) (PDF, 1MB)

TIMSS Advanced at Grade 12

- [Frequently Asked Questions TIMSS Advanced 2015](#) (PDF, 198KB)
- [Advanced Trends in International Mathematics and Science Study 2015](#) (PDF, 2MB)
- [Summary of Activities for TIMSS Advanced 2015](#) (PDF, 1MB)

Contact

The contact for TIMSS in the state of Florida is Michele Sonnenfeld. She can be contacted by e-mail at Michele.Sonnenfeld@fldoe.org or by telephone at [850-245-0513](tel:850-245-0513).

[Official TIMSS home page](#)

[International Assessments Home](#)

Questions Tools

PIRLS, PISA and TIMSS have released items from mathematics, reading, and science:

<http://nces.ed.gov/surveys/international/>

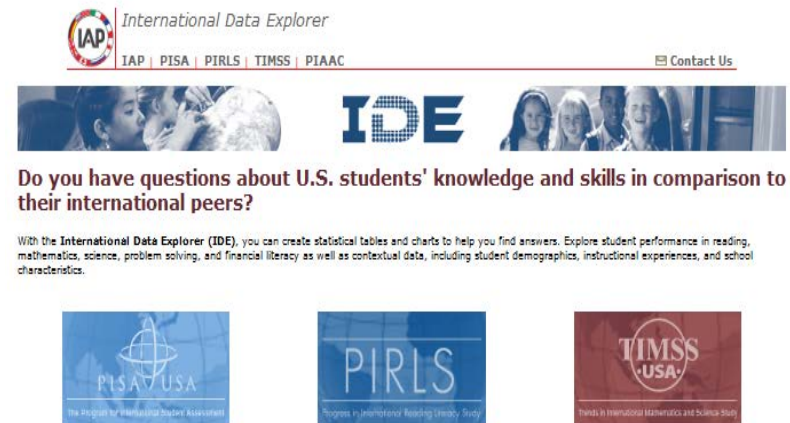


The screenshot shows the International Activities Program (IAP) website. At the top, it features the IAP logo and navigation links for Publications & Products, Staff, TIMSS, PISA, PIRLS, PIAAC, TALIS, and CivEd. The main content area is titled "International Data Explorer" and includes a large image of a globe. Below the image, there are several links to reports: TIMSS 2011 report, PIRLS 2011 report, PISA 2012 report, PIAAC 2012 report, and International Data Explorer. To the right of these links are several smaller boxes with icons and text, such as "Program for the International Assessment of Adult Competencies" (See 2012 Results), "Progress in International Reading Literacy Study" (See 2011 Results), "Program for International Student Assessment" (See 2012 Results), "Trends in International Mathematics and Science Study" (See 2011 Results), and "Teaching and Learning International Survey" (See 2013 Results). At the bottom, there are four columns of links: "Read summaries from the International Data Explorer", "Make your own tables and charts with the International Data Explorer", "Dig into our library of ready-made tables", "View our bibliography of international education articles", and "Training International Data Training".

International Data Explorer

Analyzes PIRLS, PISAS and TIMSS data and can create statistical tables, graphics and maps:

<http://nces.ed.gov/surveys/international/ide/>



The screenshot shows the International Data Explorer (IDE) website. At the top, it features the IDE logo and navigation links for IAP, PISA, PIRLS, TIMSS, and PIAAC. The main content area is titled "IDE" and includes a large image of a globe. Below the image, there is a section titled "Do you have questions about U.S. students' knowledge and skills in comparison to their international peers?" followed by a paragraph explaining the IDE: "With the International Data Explorer (IDE), you can create statistical tables and charts to help you find answers. Explore student performance in reading, mathematics, science, problem solving, and financial literacy as well as contextual data, including student demographics, instructional experiences, and school characteristics." Below this text are three logos: PISA USA (The Program for International Student Assessment), PIRLS (Progress in International Reading Literacy Study), and TIMSS USA (Trends in International Mathematics and Science Study).

The **PISA IDE**, **PIRLS IDE**, and **TIMSS IDE** provide results for the United States, including U.S.-specific variables, and other national and subnational education systems from each study's cycle of administration. The most recent data are from PISA 2012, PIRLS 2011, and TIMSS 2011. The results include mathematics and science achievement for 40th-graders (TIMSS), 8th-graders (TIMSS), and 15-year-olds (PISA); reading achievement for 40th-graders (PIRLS) and 15-year-olds (PISA); problem-solving achievement for 15-year-olds (PISA); and financial literacy achievement for 15-year-olds (PISA). Also included are responses to a student questionnaire about students' background, beliefs and attitudes about learning, and school experiences (PISA, PIRLS, and TIMSS); responses to a teacher questionnaire about instructional practices, pedagogical beliefs, classroom resources, and background and training (PIRLS and TIMSS); and responses to a school questionnaire about school characteristics, policies, and resources (PISA, PIRLS, and TIMSS).



www.FLDOE.org

Michele.Sonnenfeld@fldoe.org

<http://fldoe.org.asp.naep>

(850) 245-0787



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