

National Assessment of Educational Progress
(NAEP)

Trends in International Mathematics and
Science Study (TIMSS)

Linking Study 2011

**Mathematics and Science at
Grade 8**

What is NAEP?

- **The National Assessment of Educational Progress (NAEP) is the largest nationally representative assessment of what students across the United States know and can do in various subjects.**
- **Results are provided for states as well as for the nation in some subject areas.**

What is TIMSS?

- **The Trends in International Mathematics and Science Study (TIMSS) is an international assessment that measures student learning in mathematics and science.**
- **Since 1995, it has provided reliable and timely data on the achievement of United States fourth- and eighth-grade students in these subjects compared to that of students in other countries.**

What is the NAEP/TIMSS Linking Study?

- The National Center for Education Statistics (NCES) initiated this study in an effort to link national and international assessments at grade 8 so that states can compare their own students' performance against international benchmarks.
- The linking study was conducted in 2011 at grade 8 in mathematics and science. NCES will link, or “project,” state-level scores on TIMSS in both subjects using data from NAEP.

Overview of NAEP-TIMSS Linking Study

	NAEP-TIMSS Validation Study	NAEP-TIMSS Linking Study
Jurisdictions	Alabama, California, Colorado, Connecticut, Florida, Indiana, Massachusetts, Minnesota, and North Carolina	All States
Results	Actual TIMSS scores based on participating as a state in TIMSS	Projected TIMSS scores based on NAEP Performance
Release of Results	December 11, 2012 Boston College/IEA Release of International TIMSS/PIRLS Report; NCES Release of National Report	Anticipated Summer 2013

Goals for the Study

- **Estimate a link between the 2011 Grade 8 NAEP and TIMSS assessments at the national level for Mathematics and Science.**
- **If appropriate, use this link to provide predicted TIMSS results for all jurisdictions that took the 2011 Grade 8 NAEP assessments.**
- **Evaluate the accuracy of the predictions and use this research for future linking of national and international assessments.**