PIRLS 2011 and TIMSS 2011

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2011

PIRLS
• Reading Comprehension
• Grade 4

TIMSS
• Mathematics and Science
• Grades 4 and 8
Presents a Unique Opportunity at Grade 4

- Assessing the Same Students in Reading, Mathematics, and Science
- Comprehensive Set of Background Variables
  - Parents
  - Students
  - Teachers
  - Schools
  - Curriculum
Examine Relative Effectiveness of School Policies in Reading, Mathematics, and Science

• What School and Classroom Policies Are Equally Effective Across Core Curriculum Areas?

• Are Particular Policies Relatively More Effective for Reading, Mathematics, or Science?
Examine Differences in Achievement Gaps in Reading, Mathematics, and Science

- Gender – e.g., Girls’ Advantage in Reading, Boys’ Advantage in Science
- Instructional Language – First Language or Not First Language
- Race/Ethnicity – e.g., Immigrant Groups
- Socioeconomic Level
Examine Differences in Impact of Home Environment on Reading, Mathematics, and Science

• Home Resources

• Early Childhood Interactions, e.g., Literacy and Numeracy Activities

• Parents’ Attitudes

• Home-School Interaction
Facilitating Data Collection

**Same Students** for PIRLS and TIMSS

Other Possibilities:

- Same Schools – Separate Classes (If Schools Have More than One Class)
- Same Cohort – Separate Schools (If Your Country Has Enough Schools)
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