

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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