[illegible]

[illegible] *TIMSS 2011 International Results in Science.* [illegible]

Trends at TIMSS International Benchmarks

Early Start Crucial in Developing Children's Mathematics Achievement

Very Well

Moderately Well

Not Well

Home Resources Strongly Related to Mathematics Achievement

Many Resources

Few Resources

%

Some Resources

Successful Schools Tend to Be Well-resourced

Almost Never

%

About Monthly %

About Weekly %

Teacher Preparation and Career Satisfaction Related to Higher Mathematics Achievement

- %

  %

- %

  %

- **Very Well**

Satisfied

%

Somewhat Satis ed, %, Less an Satis ed, %

Satis ed

Somewhat Satis ed

%, Less an Satis ed, %

Students with Positive Attitudes Toward Mathematics Have Higher Achievement, but Attitudes Less Positive at the Eighth Grade

S de L e Lea g Ma he a c TI
I e a a A e age

4th Grade

Like Learning Mathematics,

Somewhat Like Learning Mathematics, %

Do Not Like Learning Mathematics, %

Value

Somewhat Value **Do Not Value** %

Engaging

%

Most Lessons

About Half the Lessons