Instruction in Mathematics Classes

Curriculum Coverage
There was variation in topic coverage within content domains. However, according to their teachers most students had been taught the TIMSS topics.

![Percentage of students taught the TIMSS 2015 topics](chart)

- **Number Topics**: 83%
- **Geometric Shapes and Measures Topics**: 68%
- **Data Display Topics**: 78%

Instructional Time
Instructional time remains a crucial resource in considering students' opportunity to learn, even though there are many factors that influence the effectiveness of an educational system. There was a considerable range in the yearly number of instructional hours in mathematics.

![Instructional Hours](chart)

- **Korea**: 275 hours
- **International Average**: 225 hours
- **Portugal**: 157 hours

Teaching Limited by Student Needs
Extent to which teachers reported instruction being limited by students' needs.

- **Teaching NOT Limited**: 34%
- **Teaching SOMEWHAT Limited**: 58%
- **Teaching VERY Limited**: 8%

Student Attendance
Frequency of student absences, as reported by students themselves.

- **Never or Almost Never**: 67%
- **Once a Month**: 18%
- **Once Every Two Weeks**: 5%
- **Once a Week or More**: 10%

Computer Activities During Mathematics Lessons
There is a continuing debate about the role of technology in education, and more particularly in mathematics classes.

- **New Zealand**: 89%
- **International Average**: 37%
- **Croatia**: 3%

On average, more than one quarter of the fourth grade students were asked to use computers at least monthly for various activities.

- **Explore Mathematics Principles and Concepts**: 26%
- **Practice Skills and Procedures**: 33%
- **Look Up Ideas and Information**: 27%