Students communicate understanding of complex concepts related to biology, chemistry, physics and Earth science in practical, abstract, and experimental contexts.

Students apply and communicate understanding of concepts from biology, chemistry, physics, and Earth science in everyday and abstract situations.

Students demonstrate and apply their knowledge of biology, chemistry, physics, and Earth science in various contexts.

Students show some basic knowledge of biology, chemistry, physics, and Earth science.

**Percentage of Students Reaching Benchmarks**

- **Advanced Benchmark** (625)
  - Countries increased: 10
  - Countries decreased: 0

- **High Benchmark** (550)
  - Countries increased: 12
  - Countries decreased: 3

- **Intermediate Benchmark** (475)
  - Countries increased: 12
  - Countries decreased: 4

- **Low Benchmark** (400)
  - Countries increased: 10
  - Countries decreased: 6

**Achievement at TIMSS International Benchmarks**

TIMSS describes achievement at four International Benchmarks along the science achievement scale: Advanced, High, Intermediate, and Low.

**Trends at the TIMSS International Benchmarks**

In general, there were more improvements across the International Benchmarks in 2015 than there were declines.

**Trends 2011-2015: 34 Countries**

- Countries increased: 29
- Countries decreased: 7

**Trends 1995-2015: 16 Countries**

- Countries increased: 8
- Countries decreased: 5