**TAKEAWAYS**

Singapore outperforms all other participating countries/economies in Science, Reading and Mathematics in 2015. However, since the last round scores in Maths have gone down slightly.

- Students in Singapore perform at a level that is more than 2 years ahead of their regional and OECD counterparts in Science and Maths. Their performance in Reading is 1 year ahead of that of their OECD counterparts.
- About 90% of the students have reached a basic level of proficiency or above in Science, Reading and Maths.
- Since 2009, the percentage of students whose performance is below basic proficiency has dropped significantly in Science and Maths.
- Compared to 2009, the percentage of students with a high level of proficiency in Reading has increased significantly.

In Science, the difference between students in the top and bottom socioeconomic quintile equates to 4 years of schooling, which is higher than the same gap among OECD countries (3.1 years).

Even so, students in the bottom quintile perform better than those in the top quintile in neighboring countries (eg Indonesia).

Boys perform significantly better than girls in Science.

In Science students with Early Childhood Development (ECD) experience score 2.2 years ahead of those with no ECD.

**SCORES OVER TIME**

<table>
<thead>
<tr>
<th></th>
<th>SCIENCE</th>
<th>READING</th>
<th>MATHEMATICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009</td>
<td>542</td>
<td>526</td>
<td>562</td>
</tr>
<tr>
<td>2012</td>
<td>551</td>
<td>542</td>
<td>573</td>
</tr>
<tr>
<td>2015</td>
<td>556</td>
<td>535</td>
<td>564</td>
</tr>
</tbody>
</table>

Change since 2012: 4 -7 -9

Change since first focal assessment in subject: 14 9 2

**Note:** Bold = significant change. Discrepancies may occur due to rounding.

**SCIENCE TRENDS**

**WB EDUCATION ENGAGEMENT**

**FINANCING:**
- None

**ANALYTICAL:**
- None

**SABER:**
- None

**Source:** OECD, 2016. *PISA 2015 Results (Volume 1): Excellence and Equity in Education.* Paris: OECD.
**Student Performance**

- Science
- Reading
- Math

**Equity Profile**

- Top 20% ESCS
- Bottom 20% ESCS
- Females
- Males
- ECD
- No ECD

PISA Performance and GDP per Capita

30 points in PISA scale ≈ 1 year of schooling

ESCS: Economic, Social and Cultural Status

**About PISA:** PISA is the OECD’s benchmarking tool to assess achievement and application of key knowledge and skills of 15 year-olds. Launched in 2000, PISA is conducted every three years and tests proficiency in mathematics, reading, science, and problem-solving. In 2015, 540,000 students completed the assessment, representing 29 million 15-year-olds in the schools of the 72 participating countries and economies.