

### Exhibit 6.3.3: Students Confident in Science

Students' Reports

#### About the Scale

Students were scored according to their responses to six statements on the *Students Confident in Science* scale. Cut scores divide the scale into three categories. Students **Very Confident in Science** had a score at or above the cut score corresponding to “agreeing a lot” with three of the six statements and “agreeing a little” with the other three, on average. Students who were **Not Confident in Science** had a score at or below the cut score corresponding to “disagreeing a little” with three of the six statements and “agreeing a little” with the other three, on average. All other students were **Somewhat Confident in Science**.

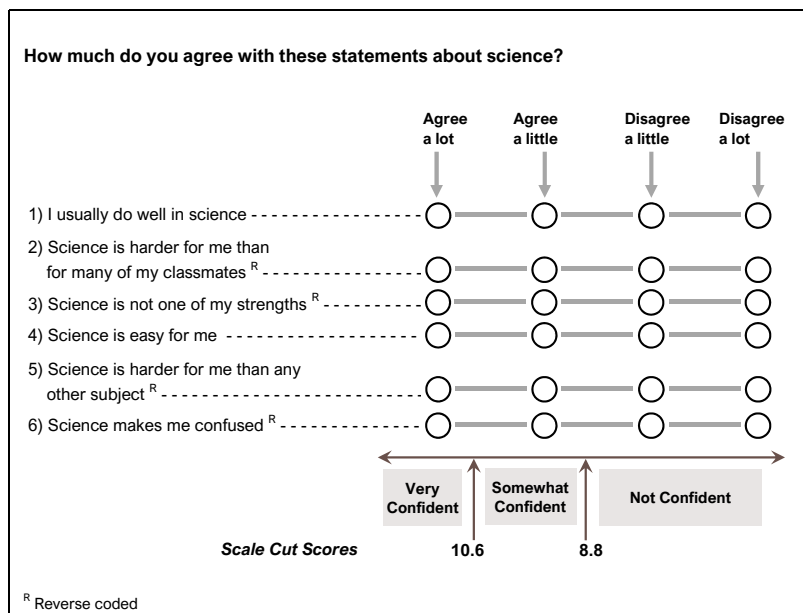


Exhibit 6.3.4a: Students Confident in Science and Growth in Achievement  
Students' Reports in 2024

| Country         |   | Very Confident in Science |                | Somewhat Confident in Science |                | Not Confident in Science |                |
|-----------------|---|---------------------------|----------------|-------------------------------|----------------|--------------------------|----------------|
|                 |   | Percent of Students       | Average Growth | Percent of Students           | Average Growth | Percent of Students      | Average Growth |
| Georgia         | r | 34 (1.2)                  | 34 (2.7)       | 34 (1.2)                      | 21 (3.6)       | 32 (1.1)                 | 15 (3.5)       |
| Italy           |   | 38 (1.1)                  | 36 (2.5)       | 39 (1.0)                      | 32 (2.4)       | 23 (0.7)                 | 28 (3.6)       |
| Jordan          | r | 32 (1.6)                  | 31 (5.2)       | 27 (1.2)                      | 18 (6.7)       | 41 (1.5)                 | 13 (5.2)       |
| Korea, Rep. of  | r | 23 (0.9)                  | 37 (3.5)       | 42 (1.0)                      | 36 (2.1)       | 36 (0.9)                 | 30 (1.8)       |
| Kosovo          | r | 29 (1.1)                  | 26 (2.7)       | 28 (0.9)                      | 23 (2.8)       | 43 (1.2)                 | 13 (2.8)       |
| Montenegro      | r | 32 (0.9)                  | 29 (2.1)       | 29 (0.8)                      | 22 (2.4)       | 39 (0.8)                 | 14 (1.6)       |
| North Macedonia | r | 23 (1.2)                  | 22 (2.9)       | 28 (0.9)                      | 12 (3.7)       | 49 (1.2)                 | 8 (3.0)        |
| Slovenia        |   | 28 (0.9)                  | 36 (1.9)       | 41 (0.8)                      | 40 (2.4)       | 31 (0.9)                 | 37 (2.7)       |
| Sweden          | r | 31 (0.9)                  | 34 (2.2)       | 43 (0.9)                      | 29 (1.8)       | 26 (1.0)                 | 24 (2.1)       |

This TIMSS context questionnaire scale was established in 2023 based on the combined response distribution of countries that participated in TIMSS 2023. To provide a point of reference for country comparisons, the scale centerpoint of 10 was located at the mean of the combined distribution. The units of the scale were chosen so that 2 scale score points corresponded to the standard deviation of the distribution.

( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

An "r" indicates data are available for at least 70% but less than 85% of the students.

**Exhibit 6.3.4b: Students Confident in Science and Average Achievement**
*Students' Reports in 2023 and 2024*

| Country                | Very Confident in Science |                     | Somewhat Confident in Science |                     | Not Confident in Science |                     | Average Scale Score |
|------------------------|---------------------------|---------------------|-------------------------------|---------------------|--------------------------|---------------------|---------------------|
|                        | Percent of Students       | Average Achievement | Percent of Students           | Average Achievement | Percent of Students      | Average Achievement |                     |
| <b>Georgia</b>         |                           |                     |                               |                     |                          |                     |                     |
| Grade 4                | 36 (1.2)                  | 489 (4.0)           | 33 (0.9)                      | 469 (4.1)           | 31 (1.1)                 | 446 (3.5)           | 10.2 (0.06)         |
| Grade 5                | 34 (1.2)                  | 522 (4.3)           | 34 (1.2)                      | 487 (4.2)           | 32 (1.1)                 | 459 (4.2)           | 10.1 (0.05)         |
| <b>Italy</b>           |                           |                     |                               |                     |                          |                     |                     |
| Grade 4                | 39 (1.0)                  | 532 (2.5)           | 37 (0.9)                      | 510 (2.7)           | 24 (0.8)                 | 485 (3.7)           | 10.3 (0.04)         |
| Grade 5                | 38 (1.1)                  | 568 (2.6)           | 39 (1.0)                      | 537 (3.7)           | 23 (0.7)                 | 518 (4.0)           | 10.3 (0.04)         |
| <b>Jordan</b>          |                           |                     |                               |                     |                          |                     |                     |
| Grade 4                | 36 (1.9)                  | 461 (6.3)           | 27 (0.9)                      | 411 (5.8)           | 37 (1.7)                 | 390 (4.6)           | 10.1 (0.09)         |
| Grade 5                | 32 (1.6)                  | 484 (5.8)           | 27 (1.2)                      | 426 (6.7)           | 41 (1.5)                 | 411 (5.9)           | 9.9 (0.08)          |
| <b>Korea, Rep. of</b>  |                           |                     |                               |                     |                          |                     |                     |
| Grade 4                | 28 (0.9)                  | 616 (2.9)           | 43 (0.8)                      | 584 (3.1)           | 29 (1.0)                 | 552 (4.1)           | 9.8 (0.04)          |
| Grade 5                | 23 (0.9)                  | 654 (3.6)           | 42 (1.0)                      | 615 (2.5)           | 36 (0.9)                 | 593 (3.1)           | 9.5 (0.04)          |
| <b>Kosovo</b>          |                           |                     |                               |                     |                          |                     |                     |
| Grade 4                | 34 (1.2)                  | 440 (3.4)           | 30 (0.9)                      | 404 (4.4)           | 36 (1.2)                 | 380 (3.3)           | 9.9 (0.05)          |
| Grade 5                | 29 (1.1)                  | 470 (4.0)           | 28 (0.9)                      | 428 (3.6)           | 43 (1.2)                 | 400 (3.7)           | 9.7 (0.05)          |
| <b>Montenegro</b>      |                           |                     |                               |                     |                          |                     |                     |
| Grade 4                | 36 (1.0)                  | 494 (2.2)           | 29 (0.8)                      | 464 (2.7)           | 35 (0.9)                 | 438 (3.1)           | 10.1 (0.04)         |
| Grade 5                | 32 (0.9)                  | 524 (2.3)           | 29 (0.8)                      | 480 (2.6)           | 39 (0.8)                 | 457 (2.8)           | 10.0 (0.04)         |
| <b>North Macedonia</b> |                           |                     |                               |                     |                          |                     |                     |
| Grade 4                | 30 (1.1)                  | 490 (3.8)           | 28 (1.1)                      | 448 (4.3)           | 42 (1.3)                 | 418 (3.8)           | 9.8 (0.05)          |
| Grade 5                | 23 (1.2)                  | 508 (5.0)           | 28 (0.9)                      | 459 (4.6)           | 49 (1.2)                 | 435 (3.6)           | 9.5 (0.05)          |
| <b>Slovenia</b>        |                           |                     |                               |                     |                          |                     |                     |
| Grade 4                | 31 (0.8)                  | 562 (2.3)           | 38 (0.8)                      | 532 (2.5)           | 32 (0.9)                 | 492 (2.8)           | 9.9 (0.04)          |
| Grade 5                | 28 (0.9)                  | 600 (2.2)           | 41 (0.8)                      | 567 (2.5)           | 31 (0.9)                 | 533 (2.5)           | 9.8 (0.04)          |
| <b>Sweden</b>          |                           |                     |                               |                     |                          |                     |                     |
| Grade 4                | 33 (0.9)                  | 561 (3.9)           | 44 (0.8)                      | 538 (3.5)           | 24 (1.0)                 | 494 (5.1)           | 10.0 (0.04)         |
| Grade 5                | 31 (0.9)                  | 589 (3.8)           | 43 (0.9)                      | 566 (3.8)           | 26 (1.0)                 | 532 (4.0)           | 9.9 (0.04)          |

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