

Exhibit 5.1.12: Teachers Majored in Science and Science Education
Teachers' Reports

About the Index
Major in Science and Science Education: Teachers majored in science and majored in science education
Major in Science No Major in Science Education: Teachers majored in science but did not major in science education
Major in Science Education but No Major in Science: Teachers did not major in science but majored in science education
All Other Majors: Teachers did not major in science, did not major in science education, but completed post-secondary education (ISCED Level 4) or higher
No Formal Education Beyond Upper-Secondary: Teachers completed no higher than ISCED Level 3

SOURCE: IEA's Trends in International Mathematics and Science Study - TIMSS 2023 Longitudinal
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Exhibit 5.1.13: Teachers Majored in Science and Science Education and Average Achievement
Teachers' Reports in 2023 and 2024

Country	Major in Science and Science Education		Major in Science but No Major in Science Education		Major in Science Education but No Major in Science		All Other Majors		No Formal Education Beyond Upper-Secondary	
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement
Jordan										
Grade 8	18 (3.1)	421 (8.9)	69 (3.7)	413 (4.4)	6 (1.3)	428 (12.7)	2 ~	~ ~	5 (1.6)	420 (19.6)
Grade 9	13 (1.6)	415 (8.4)	78 (2.3)	421 (3.7)	2 ~	~ ~	2 ~	~ ~	5 (1.0)	428 (11.8)
Korea, Rep. of										
Grade 8	34 (3.7)	547 (3.5)	60 (3.8)	544 (2.8)	6 (1.8)	559 (8.0)	0 ~	~ ~	0 ~	~ ~
Grade 9	31 (3.1)	561 (4.4)	57 (3.0)	552 (3.4)	10 (2.3)	554 (7.4)	2 ~	~ ~	0 ~	~ ~
Sweden										
Grade 8	r 52 (3.6)	520 (4.9)	21 (2.5)	513 (5.8)	15 (2.7)	528 (8.4)	8 (2.1)	515 (12.3)	4 (1.3)	531 (15.6)
Grade 9	r 49 (3.8)	530 (4.0)	29 (3.3)	520 (7.9)	17 (3.5)	527 (8.6)	2 ~	~ ~	2 ~	~ ~

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

A tilde (~) indicates insufficient data to report result.

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

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