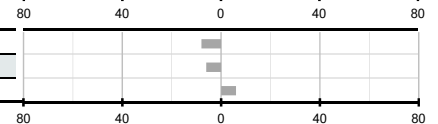


Exhibit 2.2.2: Average Science Achievement for Girls and Boys

Country	Girls		Boys		Difference	Difference	
	Percent of Students	Average Scale Score	Percent of Students	Average Scale Score		Girls Scored Higher	Boys Scored Higher
Bahrain	49 (0.8)	472 (2.6)	51 (0.8)	432 (3.9)	-39 (4.0)		
Oman	48 (0.8)	476 (3.1)	52 (0.8)	437 (3.2)	-38 (3.8)		
<sup>2</sup> Saudi Arabia	48 (0.5)	438 (4.5)	52 (0.5)	402 (4.7)	-36 (6.1)		
Palestinian Nat'l Auth.	49 (2.7)	411 (3.9)	51 (2.7)	376 (4.0)	-35 (5.6)		
Kuwait	49 (1.4)	434 (5.0)	51 (1.4)	405 (9.3)	-29 (9.5)		
Jordan	48 (2.1)	424 (4.3)	52 (2.1)	403 (5.9)	-21 (7.6)		
<sup>ψ</sup> South Africa (9)	51 (0.8)	370 (4.6)	49 (0.8)	355 (4.2)	-15 (3.7)		
Qatar	48 (2.1)	488 (4.9)	52 (2.1)	475 (5.7)	-13 (6.5)		
Cyprus	49 (0.7)	471 (3.6)	51 (0.7)	458 (3.6)	-13 (4.1)		
Iran, Islamic Rep. of	49 (1.4)	423 (5.3)	51 (1.4)	415 (5.2)	-8 (7.7)		
Finland	49 (0.9)	534 (3.5)	51 (0.9)	527 (3.5)	-7 (3.1)		
<sup>3†</sup> Türkiye	51 (1.7)	533 (3.8)	49 (1.7)	526 (5.0)	-7 (5.2)		
Azerbaijan	48 (0.8)	414 (3.1)	52 (0.8)	408 (3.5)	-6 (2.9)		
United Arab Emirates	49 (0.4)	489 (2.0)	51 (0.4)	484 (2.8)	-5 (2.6)		
Malaysia	52 (1.1)	428 (4.0)	48 (1.1)	424 (4.1)	-4 (3.3)		
<sup>1</sup> Georgia	49 (0.8)	450 (3.4)	51 (0.8)	446 (3.0)	-4 (2.7)		
<sup>2</sup> Lithuania	50 (0.8)	521 (2.7)	50 (0.8)	518 (4.0)	-3 (3.2)		
Chinese Taipei	48 (0.8)	573 (2.6)	52 (0.8)	571 (3.2)	-2 (3.5)		
<sup>2</sup> Norway (9)	47 (0.7)	490 (2.9)	53 (0.7)	487 (3.2)	-2 (3.2)		
<sup>≡</sup> Romania	48 (1.1)	467 (4.3)	52 (1.1)	465 (4.7)	-2 (4.0)		
<sup>ψ</sup> Morocco	50 (0.6)	327 (3.5)	50 (0.6)	327 (4.2)	-1 (3.7)		
<sup>2</sup> Sweden	49 (0.7)	521 (3.4)	51 (0.7)	521 (3.5)	0 (3.6)		
Malta	50 (0.7)	501 (2.2)	50 (0.7)	501 (2.7)	0 (3.7)		
<sup>3</sup> Israel	50 (1.0)	480 (3.9)	50 (1.0)	481 (4.4)	1 (4.0)		
Uzbekistan	50 (0.9)	395 (3.0)	50 (0.9)	396 (5.1)	1 (3.9)		
Kazakhstan	47 (0.8)	442 (3.4)	53 (0.8)	443 (3.2)	1 (2.6)		
France	50 (0.7)	484 (3.5)	50 (0.7)	489 (3.6)	5 (3.2)		
Korea, Rep. of	49 (1.0)	543 (2.8)	51 (1.0)	548 (2.7)	5 (3.1)		
<sup>2</sup> Austria	49 (1.0)	509 (2.8)	51 (1.0)	515 (2.8)	6 (3.0)		
<sup>3</sup> Singapore	48 (2.3)	603 (6.6)	52 (2.3)	609 (7.9)	7 (9.2)		
<sup>†</sup> Hong Kong SAR	49 (1.6)	523 (5.9)	51 (1.6)	532 (5.4)	9 (6.0)		
Ireland	47 (1.6)	520 (4.2)	53 (1.6)	529 (3.9)	9 (4.0)		
Portugal	49 (1.0)	501 (3.1)	51 (1.0)	510 (2.6)	9 (3.1)		
Italy	49 (0.7)	496 (3.6)	51 (0.7)	505 (3.7)	10 (3.5)		
<sup>≡</sup> United States	49 (0.7)	508 (4.0)	51 (0.7)	519 (4.2)	11 (3.0)		
<sup>2</sup> Czech Republic	48 (0.7)	521 (2.3)	52 (0.7)	533 (2.3)	12 (2.1)		
<sup>†</sup> Japan	49 (1.3)	551 (4.0)	51 (1.3)	563 (3.4)	12 (4.3)		
Hungary	50 (1.0)	515 (3.3)	50 (1.0)	528 (4.2)	13 (3.9)		
Australia	47 (1.7)	513 (4.1)	53 (1.7)	526 (3.8)	13 (4.7)		
Brazil	50 (0.5)	413 (2.5)	50 (0.5)	427 (3.0)	14 (2.2)		
<sup>2</sup> England	50 (2.0)	524 (5.1)	50 (2.0)	538 (5.5)	14 (6.3)		
<sup>†</sup> Chile	49 (1.1)	448 (2.9)	51 (1.1)	462 (3.3)	14 (3.1)		
<b>International Average</b>	<b>49 (0.2)</b>	<b>480 (0.6)</b>	<b>51 (0.2)</b>	<b>477 (0.7)</b>	<b>-3 (0.7)</b>		
<sup>✳</sup> Cote d'Ivoire	49 (1.4)	175 (13.9)	51 (1.4)	191 (6.3)	16 (13.8)		
New Zealand	46 (1.7)	493 (4.7)	54 (1.7)	510 (5.8)	17 (7.0)		
<b>Benchmarking Participants</b>							
Abu Dhabi, UAE	50 (0.5)	447 (4.2)	50 (0.5)	440 (4.8)	-8 (4.9)		
Sharjah, UAE	50 (0.8)	502 (5.2)	50 (0.8)	495 (5.9)	-6 (5.1)		
Dubai, UAE	48 (0.7)	544 (3.3)	52 (0.7)	550 (4.4)	6 (4.7)		



Students' gender information was obtained from school tracking data.

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

See Appendix B.7 for population coverage notes 1, 2, and 3. See Appendix B.10 for sampling guidelines and sampling participation notes †, ‡, and ≡.

<sup>ψ</sup> Reservations about reliability because the percentage of students with achievement too low for estimation exceeds 15% but does not exceed 25%.

<sup>✳</sup> Average achievement not reliably measured because the percentage of students with achievement too low for estimation exceeds 25%.

New Zealand did not satisfy guidelines for minimum school participation rates. Achievement could not be reliably estimated for Cote d'Ivoire.