

Exhibit 6.3: School Emphasis on Academic Success – Principals’ Reports

Reported by Principals

Students were scored according to their principals’ responses characterizing thirteen aspects on the *School Emphasis on Academic Success* scale. Students in schools where their principals reported a **Very High Emphasis** on academic success had a score on the scale of at least 13.1, which corresponds to their principals characterizing seven of the thirteen aspects as “very high” and the other six as “high,” on average. Students in schools with a **Medium Emphasis** on academic success had a score no higher than 9.6, which corresponds to their principals characterizing seven of the thirteen aspects as “medium” and the other six as “high,” on average. All other students attended schools with a **High Emphasis** on academic success.

SOURCE: IEA’s Trends in International Mathematics and Science Study – TIMSS 2015

Country	Very High Emphasis		High Emphasis		Medium Emphasis		Average Scale Score
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	
England	26 (3.7)	587 (9.7)	53 (4.8)	540 (6.0)	22 (3.5)	502 (9.9)	11.6 (0.17)
Qatar	25 (0.4)	499 (4.2)	57 (0.5)	452 (4.0)	19 (0.4)	415 (6.1)	11.7 (0.02)
United Arab Emirates	19 (1.7)	533 (5.8)	59 (2.2)	478 (3.3)	22 (1.5)	416 (5.8)	11.2 (0.07)
Korea, Rep. of	17 (3.5)	567 (6.2)	65 (4.3)	557 (2.7)	18 (3.4)	539 (3.4)	11.2 (0.17)
Ireland	15 (2.9)	556 (6.7)	65 (4.0)	534 (2.9)	21 (3.1)	498 (8.7)	11.2 (0.15)
Australia	14 (2.3)	556 (5.8)	42 (3.5)	519 (4.6)	44 (3.0)	495 (4.1)	10.5 (0.11)
Canada	13 (2.1)	548 (4.6)	46 (3.2)	530 (2.7)	41 (3.3)	517 (3.0)	10.6 (0.15)
Bahrain	12 (0.2)	514 (8.7)	52 (0.2)	472 (2.9)	36 (0.2)	441 (3.0)	10.3 (0.01)
Malaysia	10 (2.1)	524 (12.1)	65 (3.6)	471 (5.6)	25 (3.9)	448 (7.6)	11.0 (0.12)
Singapore	10 (0.0)	661 (8.7)	64 (0.0)	601 (4.4)	26 (0.0)	562 (6.1)	10.7 (0.00)
New Zealand	9 (2.8)	539 (12.9)	69 (4.4)	517 (4.5)	22 (3.6)	480 (7.1)	11.0 (0.14)
Kazakhstan	9 (2.6)	533 (16.8)	72 (3.8)	534 (5.7)	19 (3.4)	527 (10.1)	11.0 (0.16)
Malta	8 (0.1)	520 (5.0)	57 (0.1)	497 (2.0)	35 (0.1)	444 (2.7)	10.4 (0.01)
United States	8 (2.0)	570 (9.3)	46 (3.5)	543 (3.9)	46 (3.2)	512 (4.9)	10.0 (0.13)
Chinese Taipei	7 (1.9)	621 (7.7)	46 (3.8)	579 (3.0)	47 (3.5)	552 (3.4)	10.0 (0.13)
Hong Kong SAR	6 (1.2)	586 (11.6)	39 (3.8)	568 (5.6)	56 (3.8)	524 (5.3)	9.7 (0.14)
Sweden	5 (1.9)	560 (11.7)	45 (4.4)	536 (4.9)	50 (4.2)	506 (5.0)	9.9 (0.13)
Saudi Arabia	5 (1.7)	433 (22.2)	43 (4.1)	418 (7.1)	52 (4.2)	377 (5.6)	9.8 (0.15)
Oman	5 (1.3)	469 (12.5)	57 (2.9)	462 (4.2)	38 (2.6)	440 (4.1)	10.2 (0.09)
Kuwait	5 (1.7)	462 (28.8)	53 (4.1)	430 (8.3)	42 (3.9)	379 (6.1)	10.0 (0.13)
Iran, Islamic Rep. of	5 (1.0)	542 (22.8)	43 (3.0)	473 (5.8)	53 (3.2)	435 (3.7)	9.6 (0.12)
Thailand	5 (1.5)	479 (27.0)	61 (4.0)	467 (5.4)	34 (3.8)	432 (5.5)	10.3 (0.14)
Israel	4 (1.6)	578 (15.5)	56 (3.6)	519 (5.5)	39 (3.3)	482 (7.9)	10.2 (0.11)
Turkey	4 (1.3)	614 (11.8)	29 (3.1)	518 (6.8)	67 (3.3)	476 (3.8)	8.9 (0.14)
Lebanon	4 (1.7)	476 (18.5)	53 (4.4)	418 (8.7)	43 (4.0)	368 (7.5)	10.0 (0.13)
Jordan	3 (1.0)	467 (19.8)	40 (3.7)	449 (5.5)	57 (3.7)	408 (4.5)	9.4 (0.12)
Egypt	3 (0.9)	410 (35.9)	33 (3.5)	384 (8.5)	64 (3.6)	362 (5.0)	9.5 (0.11)
Chile	2 (1.1)	~ ~	29 (3.4)	488 (7.7)	69 (3.6)	438 (4.2)	8.7 (0.16)
Japan	2 (1.2)	~ ~	53 (4.0)	581 (2.3)	45 (4.0)	558 (2.6)	9.8 (0.12)
Lithuania	2 (1.1)	~ ~	58 (3.7)	527 (3.9)	40 (3.8)	506 (3.9)	9.9 (0.10)
South Africa (9)	1 (0.5)	~ ~	27 (3.5)	386 (15.5)	72 (3.5)	344 (5.5)	8.7 (0.13)
Georgia	1 (0.6)	~ ~	57 (4.3)	446 (4.0)	42 (4.3)	440 (4.8)	9.9 (0.11)
Slovenia	1 (0.9)	~ ~	38 (4.6)	560 (4.4)	61 (4.5)	546 (3.1)	9.5 (0.11)
Hungary	1 (0.9)	~ ~	64 (3.9)	545 (3.8)	35 (3.9)	489 (7.0)	10.1 (0.10)
Norway (9)	1 (0.8)	~ ~	52 (4.1)	520 (4.2)	47 (4.0)	497 (3.2)	9.9 (0.12)
Botswana (9)	1 (0.0)	~ ~	12 (2.7)	440 (9.6)	88 (2.7)	385 (3.0)	7.7 (0.13)
Italy	1 (0.7)	~ ~	29 (3.6)	505 (5.1)	71 (3.7)	496 (3.4)	9.0 (0.12)
Morocco	0 (0.2)	~ ~	12 (1.8)	432 (10.1)	88 (1.8)	388 (2.6)	7.8 (0.10)
Russian Federation	0 (0.0)	~ ~	27 (3.1)	560 (5.7)	73 (3.1)	538 (5.4)	9.1 (0.08)
International Avg.	7 (0.3)	533 (3.0)	48 (0.6)	499 (1.0)	45 (0.5)	466 (0.9)	

This TIMSS questionnaire scale was established in 2015 based on the combined response distribution of all countries that participated in TIMSS 2015. 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.

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

An “r” indicates data are available for at least 70% but less than 85% of the students. An “s” indicates data are available for at least 50% but less than 70% of the students.

**Exhibit 6.3: School Emphasis on Academic Success – Principals’ Reports (Continued)**

Country	Very High Emphasis		High Emphasis		Medium Emphasis		Average Scale Score
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	
<b>Benchmarking Participants</b>							
Dubai, UAE	42 (0.3)	554 (3.9)	48 (0.4)	518 (2.5)	10 (0.2)	443 (6.0)	12.5 (0.02)
Quebec, Canada	27 (4.2)	560 (4.9)	54 (5.6)	528 (4.4)	18 (4.4)	521 (8.1)	11.8 (0.23)
Florida, US	12 (6.0)	547 (20.0)	35 (9.7)	536 (13.9)	53 (8.8)	492 (12.9)	10.4 (0.44)
Abu Dhabi, UAE	8 (2.5)	489 (24.4)	58 (3.9)	468 (6.3)	34 (3.6)	412 (9.4)	10.4 (0.15)
Ontario, Canada	6 (2.2)	529 (4.4)	42 (4.1)	530 (3.6)	52 (4.2)	516 (3.7)	10.0 (0.19)
Norway (8)	1 (0.8)	~ ~	52 (4.0)	501 (3.2)	47 (3.9)	478 (2.9)	9.9 (0.12)
Buenos Aires, Argentina	1 (0.7)	~ ~	26 (4.5)	432 (10.3)	74 (4.6)	371 (6.7)	8.9 (0.16)

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

