

Exhibit 10.1: Students Engaged in Reading Lessons

Exhibit 10.1 presents the results for the *Students Engaged in Reading Lessons* scale. Internationally, on average, 60 percent of the fourth grade students reported being **Very Engaged** during their reading lessons, another 35 percent reported being **Somewhat Engaged**, and only 5 percent reported being **Less than Engaged**. There was a positive relationship between students' reports about being engaged and average reading achievement. **Very Engaged** students had higher achievement (516) than their counterparts that reported being only **Somewhat Engaged** (506), and students **Less than Engaged** had the lowest achievement (490).

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Students' Reports

Students were scored according to their degree of agreement with nine statements on the *Students Engaged in Reading Lessons* scale. Students **Very Engaged** in reading lessons had a score on the scale of at least 9.5, which corresponds to their “agreeing a lot” with five of the nine statements and “agreeing a little” with the other four, on average. Students who were **Less than Engaged** had a score no higher than 7.1, which corresponds to their “disagreeing a little” with five of the nine statements and “agreeing a little” with the other four, on average. All other students were **Somewhat Engaged** in reading lessons.

Country	Very Engaged		Somewhat Engaged		Less than Engaged		Average Scale Score
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	
Bulgaria	84 (1.1)	555 (3.9)	14 (0.9)	540 (8.5)	2 (0.3)	~ ~	11.3 (0.06)
Portugal	83 (0.8)	531 (2.4)	16 (0.8)	514 (3.4)	1 (0.2)	~ ~	11.1 (0.05)
Azerbaijan	83 (1.0)	482 (3.6)	15 (0.9)	450 (6.1)	2 (0.3)	~ ~	11.4 (0.06)
Iran, Islamic Rep. of	82 (1.3)	434 (4.3)	15 (1.1)	410 (9.1)	3 (0.3)	360 (12.9)	11.3 (0.08)
Georgia	80 (1.1)	496 (2.8)	19 (1.0)	469 (4.7)	1 (0.2)	~ ~	11.2 (0.06)
Kazakhstan	80 (1.0)	537 (2.5)	18 (0.9)	534 (3.9)	2 (0.3)	~ ~	11.2 (0.06)
Egypt	79 (1.6)	340 (5.6)	19 (1.4)	304 (9.9)	2 (0.4)	~ ~	10.9 (0.09)
Oman	75 (1.2)	430 (3.5)	22 (1.0)	395 (3.9)	3 (0.3)	348 (9.2)	10.8 (0.06)
Trinidad and Tobago	70 (1.6)	486 (3.7)	26 (1.4)	467 (4.8)	4 (0.4)	441 (9.9)	10.5 (0.08)
Kuwait	70 (1.4)	406 (4.0)	27 (1.3)	378 (6.3)	4 (0.4)	340 (10.2)	10.5 (0.07)
Spain	70 (1.1)	530 (1.4)	27 (1.0)	525 (3.1)	3 (0.2)	513 (6.4)	10.4 (0.05)
Morocco	69 (1.5)	366 (4.4)	29 (1.4)	345 (4.6)	2 (0.2)	~ ~	10.6 (0.07)
Bahrain	68 (1.1)	459 (2.6)	28 (1.0)	429 (3.3)	5 (0.4)	392 (9.3)	10.4 (0.07)
Malta	67 (0.7)	465 (1.9)	29 (0.8)	435 (3.5)	4 (0.3)	387 (9.9)	10.3 (0.03)
Hungary	67 (1.3)	557 (3.3)	29 (1.2)	551 (3.3)	4 (0.4)	533 (7.3)	10.3 (0.06)
Russian Federation	65 (1.1)	582 (2.5)	32 (1.0)	580 (2.8)	3 (0.3)	568 (6.8)	10.2 (0.05)
South Africa	64 (1.3)	337 (4.1)	29 (1.0)	301 (5.5)	7 (0.5)	268 (6.9)	10.3 (0.06)
Saudi Arabia	63 (1.8)	446 (4.1)	32 (1.5)	416 (5.9)	5 (0.6)	375 (10.1)	10.3 (0.09)
United Arab Emirates	62 (0.8)	467 (3.2)	33 (0.7)	437 (4.3)	5 (0.2)	372 (8.3)	10.2 (0.04)
United States	62 (1.2)	556 (3.0)	32 (1.1)	549 (4.1)	6 (0.4)	521 (6.6)	10.1 (0.05)
Lithuania	62 (1.3)	554 (2.6)	35 (1.3)	544 (3.5)	3 (0.4)	503 (12.3)	10.0 (0.05)
Ireland	62 (1.4)	569 (2.6)	34 (1.2)	566 (3.3)	4 (0.5)	553 (8.4)	10.0 (0.06)
Northern Ireland	61 (1.5)	567 (2.6)	34 (1.3)	566 (3.1)	4 (0.5)	539 (10.4)	10.0 (0.06)
Qatar	60 (0.8)	462 (2.2)	32 (0.7)	431 (2.7)	8 (0.4)	384 (6.7)	10.1 (0.04)
Italy	59 (1.0)	552 (2.5)	37 (0.9)	544 (2.8)	4 (0.4)	530 (5.2)	9.9 (0.04)
Canada	58 (0.8)	550 (2.2)	37 (0.7)	540 (2.5)	4 (0.3)	512 (5.1)	9.9 (0.03)
Chile	58 (1.4)	503 (2.7)	32 (1.1)	494 (3.6)	10 (0.6)	461 (6.0)	9.9 (0.06)
New Zealand	58 (1.0)	526 (2.3)	38 (0.8)	524 (3.1)	4 (0.4)	501 (8.2)	9.9 (0.04)
England	57 (1.3)	562 (2.2)	38 (1.1)	558 (2.3)	5 (0.4)	530 (6.7)	9.8 (0.05)
Australia	56 (1.2)	547 (2.7)	39 (1.1)	544 (3.3)	5 (0.3)	529 (5.8)	9.8 (0.04)
Austria	56 (1.2)	542 (2.5)	37 (1.0)	542 (2.9)	6 (0.5)	529 (6.0)	9.8 (0.05)
Israel	55 (1.6)	527 (3.1)	36 (1.3)	538 (3.7)	9 (0.9)	529 (7.6)	9.8 (0.08)
Latvia	53 (1.3)	558 (2.3)	42 (1.2)	560 (2.2)	4 (0.5)	542 (6.6)	9.7 (0.05)
Norway (5)	53 (1.5)	563 (2.5)	42 (1.3)	556 (2.9)	4 (0.5)	548 (6.3)	9.7 (0.05)
Germany	52 (1.4)	552 (2.5)	42 (1.2)	539 (3.6)	7 (0.6)	504 (8.8)	9.6 (0.06)
Belgium (French)	51 (1.4)	497 (3.3)	42 (1.0)	501 (2.8)	7 (0.9)	483 (5.7)	9.6 (0.06)
Slovak Republic	51 (1.3)	531 (4.6)	43 (1.2)	540 (3.2)	6 (0.5)	532 (5.1)	9.6 (0.05)
Belgium (Flemish)	49 (1.2)	527 (2.5)	47 (1.1)	525 (2.2)	4 (0.3)	505 (6.5)	9.5 (0.05)
Sweden	49 (1.2)	559 (3.1)	46 (1.1)	555 (2.9)	4 (0.5)	537 (5.1)	9.5 (0.05)
Slovenia	49 (1.1)	540 (2.9)	46 (1.0)	546 (2.3)	5 (0.6)	539 (7.6)	9.6 (0.05)
Poland	49 (1.3)	562 (2.3)	45 (1.1)	570 (3.0)	6 (0.5)	552 (5.9)	9.5 (0.05)
France	48 (1.5)	510 (2.4)	47 (1.4)	515 (2.8)	5 (0.5)	500 (8.1)	9.5 (0.06)
Czech Republic	48 (1.0)	540 (2.8)	46 (1.0)	550 (2.1)	6 (0.4)	527 (5.2)	9.5 (0.04)
Chinese Taipei	48 (1.5)	564 (2.1)	43 (1.1)	558 (2.8)	9 (0.7)	542 (4.4)	9.5 (0.06)
Macao SAR	44 (0.8)	551 (1.6)	47 (0.8)	544 (1.3)	9 (0.5)	529 (4.5)	9.3 (0.03)
Singapore	43 (0.8)	579 (3.6)	50 (0.7)	578 (3.2)	8 (0.5)	555 (5.3)	9.2 (0.04)
Denmark	41 (1.5)	560 (2.6)	51 (1.2)	543 (2.3)	8 (0.7)	523 (5.5)	9.2 (0.05)
Finland	39 (1.2)	569 (2.6)	54 (1.1)	568 (1.9)	7 (0.5)	539 (5.3)	9.1 (0.04)
Netherlands	37 (1.3)	549 (2.2)	56 (1.2)	545 (2.0)	7 (0.6)	528 (5.0)	9.0 (0.05)
Hong Kong SAR	34 (1.2)	574 (3.6)	52 (1.1)	572 (2.6)	14 (1.1)	548 (7.0)	8.9 (0.06)
International Avg.	60 (0.2)	516 (0.4)	35 (0.2)	506 (0.6)	5 (0.1)	490 (1.1)	

This PIRLS questionnaire scale was established in 2016 based on the combined response distribution of all countries that participated in PIRLS 2016. 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.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2016

Exhibit 10.1: Students Engaged in Reading Lessons (Continued)

Country	Very Engaged		Somewhat Engaged		Less than Engaged		Average Scale Score
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	
Benchmarking Participants							
Andalusia, Spain	77 (1.2)	526 (2.1)	21 (1.1)	524 (3.6)	2 (0.3)	~ ~	10.8 (0.06)
Madrid, Spain	69 (1.4)	549 (2.1)	27 (1.1)	550 (3.1)	4 (0.5)	540 (6.3)	10.4 (0.07)
Dubai, UAE	66 (1.0)	526 (2.2)	31 (0.9)	505 (2.9)	3 (0.2)	432 (8.7)	10.4 (0.04)
Eng/Afr/Zulu - RSA (5)	64 (1.6)	412 (5.0)	31 (1.4)	405 (10.2)	5 (0.5)	374 (12.3)	10.2 (0.08)
Buenos Aires, Argentina	61 (1.2)	486 (3.4)	33 (1.1)	482 (4.1)	5 (0.5)	468 (7.1)	10.0 (0.06)
Norway (4)	59 (1.5)	521 (2.6)	37 (1.2)	514 (2.5)	4 (0.5)	496 (7.0)	9.9 (0.06)
Abu Dhabi, UAE	58 (1.6)	433 (4.9)	36 (1.4)	403 (6.5)	6 (0.5)	353 (10.1)	10.0 (0.07)
Ontario, Canada	57 (1.3)	552 (3.6)	38 (1.3)	540 (4.0)	5 (0.6)	506 (7.8)	9.8 (0.05)
Moscow City, Russian Fed.	56 (1.1)	613 (2.4)	40 (0.9)	613 (2.6)	4 (0.4)	598 (6.6)	9.7 (0.04)
Quebec, Canada	55 (1.7)	551 (3.3)	41 (1.6)	545 (3.5)	4 (0.5)	530 (7.8)	9.8 (0.06)
Denmark (3)	46 (1.5)	504 (3.5)	48 (1.3)	501 (3.2)	6 (0.5)	478 (8.3)	9.4 (0.05)

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2016

