

Exhibit D.2: Percentiles of Science Achievement

Country	5 th Percentile	10 th Percentile	25 th Percentile	50 th Percentile	75 th Percentile	90 th Percentile	95 th Percentile
Albania	360 (9.1)	389 (9.2)	440 (5.9)	494 (4.4)	543 (5.7)	587 (6.8)	609 (6.4)
Armenia	352 (6.1)	377 (4.8)	418 (3.6)	460 (2.8)	498 (2.8)	533 (2.7)	555 (4.6)
Australia	403 (7.4)	443 (4.8)	500 (3.6)	554 (2.6)	605 (3.0)	648 (2.6)	673 (3.2)
Azerbaijan	286 (5.2)	316 (5.1)	368 (4.5)	426 (3.5)	478 (3.8)	522 (4.4)	547 (4.1)
Bahrain	292 (6.4)	333 (7.4)	405 (5.0)	479 (4.3)	549 (4.8)	607 (5.4)	641 (7.4)
Belgium (Flemish)	362 (7.9)	390 (5.6)	440 (3.6)	492 (3.4)	540 (2.7)	579 (2.2)	601 (3.1)
Belgium (French)	350 (6.2)	379 (4.7)	429 (3.8)	483 (3.2)	535 (2.6)	578 (2.9)	603 (3.5)
Bosnia & Herzegovina	323 (7.6)	352 (6.8)	401 (6.1)	452 (3.4)	499 (3.5)	538 (2.6)	561 (4.8)
Brazil	268 (3.7)	299 (3.9)	358 (3.4)	428 (3.8)	492 (4.3)	547 (6.5)	578 (8.6)
Bulgaria	333 (14.4)	382 (13.6)	468 (8.3)	546 (4.7)	603 (3.7)	648 (4.5)	676 (4.2)
Canada	392 (3.6)	422 (2.8)	472 (2.8)	524 (1.9)	572 (2.6)	616 (2.4)	642 (2.5)
Chile	339 (5.4)	372 (5.0)	427 (3.7)	483 (3.0)	536 (2.7)	579 (4.0)	604 (3.0)
Chinese Taipei	449 (5.2)	480 (3.9)	528 (2.2)	576 (2.4)	621 (2.1)	660 (2.4)	683 (3.0)
Cyprus	330 (6.1)	367 (5.0)	431 (4.0)	494 (3.5)	549 (3.2)	594 (2.8)	619 (3.2)
Czech Republic	404 (5.2)	434 (3.3)	480 (2.7)	529 (2.5)	574 (2.9)	614 (2.9)	638 (4.6)
Denmark	391 (3.3)	422 (4.4)	474 (3.3)	526 (2.7)	574 (3.4)	615 (3.7)	639 (5.2)
England	416 (7.2)	452 (5.0)	507 (3.0)	560 (3.1)	610 (3.3)	655 (4.2)	681 (6.4)
Finland	396 (7.5)	437 (5.2)	497 (3.8)	550 (2.7)	596 (2.8)	635 (3.2)	658 (4.0)
France	360 (6.0)	390 (5.3)	439 (4.5)	492 (3.4)	540 (3.3)	579 (2.6)	603 (3.9)
Georgia	341 (5.5)	371 (5.0)	418 (4.6)	467 (3.3)	513 (2.9)	555 (4.6)	582 (6.4)
Germany	369 (7.5)	405 (4.6)	463 (3.8)	520 (2.9)	574 (2.9)	620 (4.2)	644 (4.0)
Hong Kong SAR	386 (9.6)	431 (6.7)	494 (5.0)	552 (3.8)	604 (4.1)	649 (6.4)	678 (8.8)
Hungary	370 (7.8)	409 (7.9)	472 (5.1)	532 (3.5)	583 (3.3)	625 (3.4)	651 (4.8)
Iran, Islamic Rep. of	237 (8.5)	281 (7.2)	358 (6.8)	442 (5.0)	514 (4.2)	566 (3.9)	594 (3.9)
Ireland	384 (7.0)	423 (6.0)	484 (4.3)	541 (4.2)	587 (3.1)	627 (3.5)	650 (3.4)
Italy	389 (4.9)	419 (4.0)	465 (3.6)	514 (2.9)	559 (2.5)	597 (2.7)	621 (3.2)
Japan	439 (4.1)	467 (5.4)	511 (2.5)	557 (2.4)	601 (3.2)	641 (4.2)	664 (5.0)
Jordan	246 (8.1)	280 (5.2)	347 (6.1)	421 (6.0)	491 (5.6)	549 (7.5)	582 (7.5)
Kazakhstan	314 (5.3)	348 (5.1)	403 (4.7)	467 (4.2)	531 (4.0)	585 (6.3)	615 (6.2)
Korea, Rep. of	458 (7.6)	491 (5.6)	539 (3.2)	587 (2.7)	632 (2.6)	674 (3.7)	697 (3.6)
Kosovo	280 (6.5)	306 (5.8)	353 (4.4)	404 (3.8)	454 (4.7)	499 (3.5)	523 (5.3)
Kuwait	164 (7.7)	206 (7.7)	283 (6.6)	376 (7.1)	466 (6.3)	536 (9.0)	575 (9.0)
Latvia	393 (7.9)	421 (6.0)	475 (4.6)	530 (3.6)	579 (3.4)	622 (3.9)	647 (3.6)
Lithuania	407 (7.9)	440 (5.4)	491 (4.3)	542 (2.7)	587 (2.9)	627 (3.0)	651 (4.6)
Macao SAR	395 (5.3)	432 (3.0)	485 (1.7)	541 (2.0)	591 (2.0)	635 (2.2)	660 (3.8)
Montenegro	328 (3.9)	362 (4.8)	413 (2.7)	465 (2.4)	513 (2.5)	552 (2.2)	576 (3.5)
Morocco	196 (6.5)	236 (5.5)	307 (4.6)	391 (6.3)	475 (6.6)	545 (9.6)	582 (7.6)
Netherlands	403 (5.9)	430 (4.2)	473 (3.9)	520 (4.2)	563 (2.2)	600 (2.9)	621 (3.7)
New Zealand	364 (7.0)	399 (5.1)	461 (4.2)	523 (3.9)	579 (3.5)	623 (2.6)	648 (3.0)
North Macedonia	293 (8.0)	324 (6.4)	378 (5.9)	441 (4.5)	500 (3.5)	548 (3.4)	575 (4.2)
Norway (5)	397 (4.4)	430 (4.0)	482 (3.7)	536 (2.7)	583 (2.8)	622 (3.4)	646 (4.2)
Oman	262 (7.1)	298 (6.0)	361 (4.6)	432 (4.4)	503 (4.6)	565 (6.3)	601 (7.9)
Poland	425 (5.5)	458 (3.5)	505 (3.1)	554 (2.5)	599 (2.7)	637 (3.2)	659 (3.1)
Portugal	384 (4.5)	414 (3.8)	463 (3.7)	514 (2.8)	561 (2.2)	601 (2.1)	624 (3.0)
Qatar	294 (5.0)	331 (4.7)	400 (4.6)	477 (4.4)	548 (3.9)	604 (4.2)	634 (4.1)
Romania	382 (8.6)	417 (8.1)	475 (6.9)	532 (4.7)	582 (4.7)	624 (6.9)	650 (6.4)
Saudi Arabia	262 (7.3)	296 (5.6)	357 (5.2)	429 (5.6)	499 (4.1)	557 (4.8)	588 (5.9)
Serbia	379 (7.8)	412 (5.7)	463 (4.1)	514 (3.6)	562 (3.3)	601 (3.5)	624 (4.2)
Singapore	453 (7.8)	497 (4.9)	559 (3.3)	614 (2.8)	666 (2.5)	708 (2.3)	733 (3.1)
Slovak Republic	353 (9.8)	401 (9.5)	474 (4.9)	532 (3.6)	581 (3.0)	619 (3.3)	641 (3.9)
Slovenia	396 (4.5)	427 (4.2)	476 (4.2)	530 (3.0)	577 (2.7)	618 (3.2)	641 (3.5)
South Africa (5)	81 (5.7)	121 (4.7)	192 (4.4)	291 (5.2)	416 (8.1)	523 (10.6)	581 (12.7)
Spain	382 (5.0)	411 (3.3)	457 (3.1)	507 (2.8)	554 (2.4)	594 (2.9)	617 (3.2)
Sweden	386 (8.9)	422 (7.2)	481 (4.7)	538 (2.8)	589 (3.0)	633 (2.9)	659 (3.4)
Türkiye (5)	415 (7.7)	455 (6.1)	518 (4.2)	577 (3.8)	628 (3.0)	673 (4.0)	700 (5.1)
United Arab Emirates	282 (3.2)	326 (3.1)	415 (2.8)	508 (1.9)	581 (1.5)	638 (1.9)	670 (2.3)
United States	360 (5.2)	404 (5.8)	475 (3.6)	541 (3.2)	598 (3.2)	645 (2.8)	672 (3.7)
Uzbekistan	274 (6.4)	304 (5.2)	354 (4.7)	412 (3.9)	470 (3.6)	520 (3.9)	548 (4.1)
Benchmarking Participants							
Ontario, Canada	395 (4.6)	426 (4.2)	477 (5.0)	528 (3.5)	576 (3.4)	620 (3.8)	645 (5.9)
Quebec, Canada	387 (6.9)	414 (4.3)	461 (4.7)	511 (2.6)	556 (3.6)	596 (2.7)	619 (3.4)
Abu Dhabi, UAE	244 (3.9)	278 (3.9)	348 (3.7)	452 (4.0)	543 (2.9)	607 (2.8)	639 (3.0)
Dubai, UAE	388 (5.6)	437 (4.4)	508 (2.8)	571 (1.9)	627 (1.9)	674 (2.7)	702 (4.9)
Sharjah, UAE	316 (6.2)	359 (5.8)	437 (4.7)	510 (3.9)	576 (4.7)	632 (5.5)	664 (6.6)

Percentiles are defined in terms of percentages of students at or below a point on the scale.

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