

Exhibit D.4: 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
Australia	354 (7.3)	393 (7.0)	458 (5.3)	526 (3.2)	587 (2.7)	636 (3.9)	666 (3.3)
Austria	365 (6.3)	399 (5.5)	457 (3.5)	516 (3.3)	571 (3.5)	618 (2.8)	643 (3.0)
Azerbaijan	280 (4.8)	308 (4.2)	356 (4.1)	411 (3.8)	466 (3.7)	514 (3.2)	544 (5.0)
Bahrain	280 (4.4)	313 (4.8)	376 (4.4)	452 (4.0)	526 (3.6)	588 (4.3)	624 (4.8)
Brazil	279 (2.9)	308 (2.8)	358 (2.7)	417 (3.0)	480 (3.2)	536 (4.9)	569 (8.4)
Chile	321 (5.4)	348 (4.9)	399 (3.7)	455 (3.0)	512 (3.2)	560 (3.1)	590 (4.3)
Chinese Taipei	410 (5.9)	448 (4.9)	513 (3.3)	579 (3.0)	636 (3.1)	681 (2.6)	709 (4.0)
Cote d'Ivoire	5 (0.0)	22 (5.0)	89 (5.2)	170 (6.4)	260 (10.5)	354 (20.4)	412 (27.8)
Cyprus	311 (6.1)	343 (3.9)	400 (3.0)	465 (3.6)	529 (4.7)	584 (6.4)	612 (6.5)
Czech Republic	399 (4.9)	427 (3.6)	475 (3.0)	529 (2.1)	580 (2.0)	625 (2.2)	652 (2.7)
England	358 (7.2)	398 (7.0)	467 (5.7)	537 (5.3)	600 (5.6)	653 (5.7)	684 (5.8)
Finland	367 (6.7)	407 (5.1)	470 (3.7)	535 (4.0)	596 (3.0)	648 (3.4)	679 (5.1)
France	350 (6.8)	380 (5.9)	431 (4.5)	489 (3.7)	543 (3.8)	588 (3.3)	615 (5.2)
Georgia	318 (6.6)	347 (5.9)	394 (3.5)	447 (3.3)	502 (3.2)	552 (4.0)	578 (3.4)
Hong Kong SAR	359 (8.1)	400 (7.8)	469 (7.0)	536 (5.2)	593 (5.4)	641 (6.3)	670 (8.5)
Hungary	374 (9.0)	410 (6.7)	466 (4.3)	527 (3.6)	581 (3.5)	626 (3.5)	652 (4.2)
Iran, Islamic Rep. of	261 (7.2)	296 (5.7)	356 (4.1)	421 (4.0)	485 (4.0)	539 (4.1)	569 (5.5)
Ireland	374 (7.0)	407 (8.7)	467 (4.9)	529 (4.0)	587 (3.5)	636 (3.6)	662 (4.8)
Israel	313 (6.4)	347 (5.5)	409 (4.1)	485 (4.0)	551 (4.9)	607 (5.8)	640 (8.5)
Italy	362 (5.5)	393 (5.4)	444 (4.5)	503 (4.2)	559 (2.9)	605 (3.0)	632 (3.9)
Japan	419 (6.5)	453 (5.0)	506 (3.2)	562 (3.5)	612 (3.8)	654 (3.7)	678 (4.7)
Jordan	251 (5.9)	285 (5.3)	345 (4.6)	412 (4.7)	481 (4.9)	541 (4.5)	574 (4.5)
Kazakhstan	312 (4.7)	338 (2.8)	384 (3.5)	440 (3.4)	498 (3.6)	551 (5.8)	583 (6.4)
Korea, Rep. of	394 (5.2)	431 (4.0)	491 (2.9)	550 (3.0)	604 (2.4)	651 (3.0)	681 (4.6)
Kuwait	248 (8.6)	285 (7.4)	349 (7.2)	422 (5.9)	491 (5.3)	550 (7.7)	585 (12.6)
Lithuania	374 (6.5)	406 (4.3)	461 (3.2)	522 (2.9)	578 (3.3)	626 (4.0)	657 (5.9)
Malaysia	272 (5.5)	304 (4.7)	361 (5.4)	427 (4.3)	491 (4.7)	548 (4.1)	580 (4.7)
Malta	322 (3.2)	359 (3.9)	429 (3.3)	508 (1.7)	576 (2.1)	632 (2.7)	663 (5.2)
Morocco	205 (4.2)	228 (4.3)	270 (4.0)	321 (3.7)	379 (3.7)	435 (4.8)	470 (5.5)
New Zealand	337 (5.0)	372 (4.9)	435 (5.6)	507 (5.9)	572 (5.2)	623 (5.6)	652 (6.6)
Norway (9)	331 (5.3)	366 (3.9)	426 (4.2)	492 (3.1)	554 (3.4)	603 (3.2)	631 (4.7)
Oman	293 (5.1)	324 (3.9)	386 (3.5)	458 (3.1)	526 (2.4)	582 (2.2)	614 (4.2)
Palestinian Nat'l Auth.	237 (3.9)	267 (4.0)	323 (3.7)	392 (3.5)	462 (3.2)	520 (4.1)	552 (3.7)
Portugal	372 (3.5)	399 (3.4)	448 (3.4)	505 (2.9)	564 (3.2)	613 (3.1)	640 (4.2)
Qatar	315 (6.1)	346 (5.9)	406 (6.5)	483 (5.8)	556 (5.2)	615 (7.6)	649 (6.7)
Romania	318 (8.7)	352 (7.3)	411 (5.7)	470 (3.7)	524 (4.1)	570 (3.9)	600 (6.0)
Saudi Arabia	266 (4.4)	296 (4.2)	352 (4.2)	418 (4.2)	485 (4.0)	544 (3.4)	577 (4.2)
Singapore	422 (11.6)	467 (11.6)	547 (8.8)	617 (5.2)	676 (3.8)	722 (5.2)	749 (5.5)
South Africa (9)	201 (5.4)	234 (5.0)	292 (4.2)	356 (3.9)	426 (5.3)	499 (7.2)	549 (9.2)
Sweden	352 (5.7)	390 (5.7)	455 (4.5)	526 (3.9)	591 (2.9)	644 (3.7)	676 (5.6)
Türkiye	367 (6.1)	401 (5.6)	460 (4.8)	532 (4.2)	600 (3.8)	654 (4.0)	683 (4.0)
United Arab Emirates	285 (3.4)	326 (2.9)	403 (2.7)	493 (2.4)	572 (2.5)	635 (2.7)	669 (3.9)
United States	349 (6.6)	385 (6.1)	449 (5.0)	517 (4.5)	581 (4.5)	634 (3.6)	664 (4.7)
Uzbekistan	277 (5.2)	303 (4.1)	345 (4.4)	394 (4.1)	444 (4.0)	492 (5.9)	521 (7.5)
Benchmarking Participants							
Abu Dhabi, UAE	248 (3.7)	280 (4.4)	347 (4.6)	445 (5.3)	539 (3.9)	604 (3.8)	638 (3.5)
Dubai, UAE	359 (7.5)	406 (6.3)	483 (5.1)	556 (3.3)	620 (3.1)	672 (4.9)	703 (5.8)
Sharjah, UAE	329 (4.3)	364 (4.2)	428 (4.6)	502 (5.0)	569 (6.6)	630 (10.6)	664 (12.1)

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.