

**Exhibit 5.1: School Composition by Economic Background of the Student Body**

Reported by Principals

| Country               | More Affluent - Schools where more than 25% of the student body comes from economically affluent homes and not more than 25% from economically disadvantaged homes |                     | Neither More Affluent Nor More Disadvantaged |                     | More Disadvantaged - Schools where more than 25% of the student body comes from economically disadvantaged homes and not more than 25% from economically affluent homes |                     |
|-----------------------|--|---------------------|--|---------------------|---|---------------------|
|                       | Percent of Students  | Average Achievement | Percent of Students                          | Average Achievement | Percent of Students   | Average Achievement |
| Australia             | 35 (3.5)   | 551 (4.5)           | 34 (3.7)                                     | 519 (4.2)           | 31 (3.6)  | 479 (5.6)           |
| Bahrain               | r 31 (0.2)   | 457 (4.8)           | 45 (0.2)                                     | 451 (2.1)           | 24 (0.2)  | 442 (2.6)           |
| Belgium (Flemish)     | 64 (3.5)   | 557 (2.7)           | 24 (3.4)                                     | 537 (4.2)           | 11 (2.2)  | 520 (11.6)          |
| Bulgaria              | 17 (4.1)   | 555 (4.9)           | 48 (5.0)                                     | 528 (5.4)           | 35 (4.4)  | 507 (12.7)          |
| Canada                | 42 (3.3)   | 528 (3.3)           | 33 (3.4)                                     | 507 (3.1)           | 25 (2.7)  | 484 (4.9)           |
| Chile                 | r 14 (2.5)   | 512 (7.7)           | 18 (4.0)                                     | 475 (6.7)           | 68 (4.4)  | 446 (3.8)           |
| Chinese Taipei        | 13 (2.6)   | 615 (4.0)           | 72 (3.5)                                     | 598 (2.1)           | 15 (2.4)  | 572 (5.1)           |
| Croatia               | 35 (3.4)   | 508 (3.0)           | 46 (3.8)                                     | 505 (2.9)           | 18 (3.3)  | 485 (3.9)           |
| Cyprus                | 39 (4.7)   | 536 (3.8)           | 45 (4.7)                                     | 522 (4.0)           | 15 (3.0)  | 498 (5.9)           |
| Czech Republic        | 38 (4.3)   | 540 (3.8)           | 44 (4.4)                                     | 527 (2.9)           | 18 (3.3)  | 504 (7.1)           |
| Denmark               | s 63 (4.5)   | 549 (3.8)           | 30 (4.5)                                     | 533 (4.8)           | 7 (2.2)   | 523 (11.3)          |
| England               | 31 (3.2)   | 569 (6.1)           | 32 (3.8)                                     | 550 (6.3)           | 37 (3.7)  | 522 (4.5)           |
| Finland               | 34 (3.9)   | 537 (4.3)           | 59 (4.4)                                     | 537 (2.4)           | 7 (2.2)   | 524 (8.1)           |
| France                | r 34 (3.9)   | 511 (4.8)           | 34 (4.4)                                     | 492 (3.8)           | 32 (4.6)  | 459 (5.2)           |
| Georgia               | 26 (3.5)   | 491 (9.4)           | 23 (4.0)                                     | 463 (7.7)           | 51 (4.4)  | 449 (5.6)           |
| Germany               | r 24 (2.8)   | 539 (3.3)           | 43 (3.8)                                     | 525 (3.2)           | 33 (3.3)  | 500 (5.0)           |
| Hong Kong SAR         | 39 (3.6)   | 638 (4.9)           | 30 (3.8)                                     | 608 (4.7)           | 31 (4.0)  | 593 (6.3)           |
| Hungary               | 27 (3.2)   | 564 (4.0)           | 33 (4.0)                                     | 544 (4.4)           | 40 (3.9)  | 494 (5.7)           |
| Indonesia             | r 16 (2.6)   | 433 (9.6)           | 32 (3.3)                                     | 405 (7.0)           | 52 (3.2)  | 387 (5.1)           |
| Iran, Islamic Rep. of | 14 (2.9)   | 465 (12.0)          | 44 (3.5)                                     | 445 (6.9)           | 42 (3.6)  | 405 (6.1)           |
| Ireland               | 36 (4.2)   | 566 (3.7)           | 43 (4.7)                                     | 544 (3.0)           | 21 (2.9)  | 523 (5.0)           |
| Italy                 | 36 (4.2)   | 519 (4.0)           | 50 (4.7)                                     | 508 (4.1)           | 14 (2.9)  | 489 (6.9)           |
| Japan                 | 55 (4.4)   | 600 (2.7)           | 37 (4.2)                                     | 588 (2.5)           | 8 (2.3)   | 576 (4.8)           |
| Jordan                | r 14 (3.0)   | 434 (11.3)          | 25 (3.7)                                     | 389 (6.8)           | 61 (3.4)  | 377 (5.5)           |
| Kazakhstan            | 69 (3.6)   | 553 (6.1)           | 25 (3.6)                                     | 535 (9.2)           | 6 (1.9)   | 513 (22.0)          |
| Korea, Rep. of        | 29 (3.7)   | 630 (4.0)           | 51 (3.9)                                     | 605 (2.7)           | 21 (3.1)  | 584 (3.9)           |
| Kuwait                | r 23 (5.2)   | 389 (13.0)          | 40 (5.5)                                     | 348 (7.8)           | 37 (5.9)  | 342 (9.0)           |
| Lithuania             | 55 (3.3)   | 546 (2.9)           | 29 (3.5)                                     | 527 (6.6)           | 16 (2.7)  | 513 (7.6)           |
| Morocco               | r 13 (1.9)   | 442 (8.9)           | 8 (1.9)                                      | 366 (10.6)          | 79 (2.8)  | 365 (4.5)           |
| Netherlands           | s 72 (4.5)   | 538 (2.4)           | 23 (4.5)                                     | 531 (3.4)           | 6 (2.8)   | 516 (4.5)           |
| New Zealand           | 47 (3.2)   | 521 (3.7)           | 26 (3.5)                                     | 491 (4.6)           | 27 (2.7)  | 442 (6.8)           |
| Northern Ireland      | r 46 (5.1)   | 590 (4.4)           | 18 (4.2)                                     | 568 (9.4)           | 37 (3.8)  | 553 (6.6)           |
| Norway (5)            | 59 (4.3)   | 554 (3.2)           | 34 (4.3)                                     | 546 (4.5)           | 7 (2.6)   | 513 (10.3)          |
| Oman                  | 35 (2.9)   | 426 (5.8)           | 42 (3.0)                                     | 430 (4.4)           | 23 (2.6)  | 419 (7.0)           |
| Poland                | 17 (3.3)   | 548 (6.5)           | 57 (4.3)                                     | 538 (2.9)           | 25 (3.8)  | 514 (4.7)           |
| Portugal              | 19 (2.9)   | 566 (5.9)           | 35 (4.3)                                     | 539 (4.3)           | 46 (3.9)  | 536 (3.7)           |
| Qatar                 | r 72 (2.8)   | 447 (5.0)           | 16 (2.7)                                     | 411 (9.6)           | 12 (2.0)  | 436 (9.1)           |
| Russian Federation    | 72 (3.6)   | 565 (3.1)           | 24 (3.8)                                     | 568 (10.9)          | 4 (1.2)   | 546 (16.1)          |
| Saudi Arabia          | r 46 (4.7)   | 400 (6.7)           | 36 (4.1)                                     | 365 (6.4)           | 19 (3.7)  | 369 (13.3)          |
| Serbia                | 20 (3.3)   | 539 (5.6)           | 36 (4.5)                                     | 516 (5.3)           | 44 (4.6)  | 509 (6.9)           |
| Singapore             | 44 (0.0)   | 633 (5.0)           | 46 (0.0)                                     | 614 (6.5)           | 10 (0.0)  | 576 (13.4)          |
| Slovak Republic       | 31 (3.0)   | 515 (3.1)           | 48 (3.2)                                     | 508 (3.0)           | 21 (2.4)  | 448 (5.1)           |
| Slovenia              | 35 (4.2)   | 523 (3.6)           | 41 (4.5)                                     | 521 (2.7)           | 23 (3.4)  | 516 (3.1)           |
| South Africa (5)      | 9 (1.8)  | 531 (10.5)          | 15 (2.4)                                     | 370 (10.8)          | 77 (2.8)  | 366 (4.7)           |
| Spain                 | 46 (3.8)   | 518 (2.9)           | 34 (3.5)                                     | 506 (3.8)           | 20 (3.2)  | 477 (6.4)           |
| Sweden                | 71 (4.3)   | 530 (3.1)           | 19 (3.6)                                     | 503 (5.6)           | 11 (3.0)  | 483 (14.3)          |
| Turkey                | 22 (3.0)   | 519 (8.4)           | 27 (2.9)                                     | 499 (7.5)           | 51 (3.2)  | 459 (4.1)           |
| United Arab Emirates  | r 50 (1.9)   | 466 (4.3)           | 23 (1.9)                                     | 465 (7.0)           | 27 (1.8)  | 399 (4.4)           |
| United States         | 19 (2.1)   | 585 (5.6)           | 23 (2.6)                                     | 555 (4.5)           | 59 (2.3)  | 519 (3.4)           |
| International Avg.    | 37 (0.5)   | 527 (0.8)           | 35 (0.5)                                     | 505 (0.8)           | 29 (0.5)  | 483 (1.1)           |

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

( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent. 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 5.1: School Composition by Economic Background of the Student Body (Continued)**

| Country                          | More Affluent - Schools where more than 25% of the student body comes from economically affluent homes and not more than 25% from economically disadvantaged homes |                     | Neither More Affluent Nor More Disadvantaged |                     | More Disadvantaged - Schools where more than 25% of the student body comes from economically disadvantaged homes and not more than 25% from economically affluent homes |                     |
|----------------------------------|--|---------------------|--|---------------------|---|---------------------|
|                                  | Percent of Students  | Average Achievement | Percent of Students                          | Average Achievement | Percent of Students   | Average Achievement |
| <b>Benchmarking Participants</b> |  |                     |  |                     |   |                     |
| Buenos Aires, Argentina          | 50 (6.2)   | 456 (5.2)           | 15 (3.7)                                     | 417 (9.2)           | 35 (6.2)  | 402 (8.9)           |
| Ontario, Canada                  | 37 (5.5)   | 520 (3.9)           | 32 (5.1)                                     | 517 (4.0)           | 31 (4.1)  | 497 (4.3)           |
| Quebec, Canada                   | 63 (5.7)   | 549 (4.3)           | 23 (5.4)                                     | 523 (5.1)           | 15 (4.6)  | 509 (9.2)           |
| Norway (4)                       | 59 (4.5)   | 501 (2.8)           | 36 (4.8)                                     | 486 (3.6)           | 5 (2.2)   | 457 (20.7)          |
| Abu Dhabi, UAE                   | 47 (5.0)   | 427 (11.9)          | 19 (4.1)                                     | 424 (22.8)          | 35 (3.9)  | 381 (8.4)           |
| Dubai, UAE                       | 61 (0.3)   | 524 (1.6)           | 26 (0.3)                                     | 521 (3.5)           | 13 (0.1)  | 419 (3.5)           |
| Florida, US                      | 13 (4.3)   | 582 (10.0)          | 19 (6.2)                                     | 575 (11.1)          | 67 (5.8)  | 532 (6.3)           |

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

