

Appendix C

SELECTED SCIENCE ACHIEVEMENT RESULTS FOR THE PHILIPPINES

Table C.1

Philippines - Selected Achievement Results in the Sciences - Unweighted Data

Distributions of Achievement in the Sciences - Seventh Grade

Mean	Years of Formal Schooling	Average Age	5th Percentile (Scale Score)	25th Percentile (Scale Score)	50th Percentile (Scale Score)	75th Percentile (Scale Score)	95th Percentile (Scale Score)
395 (2.8)	7	14.0	235 (1.5)	317 (2.7)	386 (4.0)	468 (4.9)	583 (5.2)

Distributions of Achievement in the Sciences - Sixth Grade

Mean	Years of Formal Schooling	Average Age	5th Percentile (Scale Score)	25th Percentile (Scale Score)	50th Percentile (Scale Score)	75th Percentile (Scale Score)	95th Percentile (Scale Score)
382 (1.8)	6	12.9	223 (4.1)	311 (4.9)	373 (2.8)	451 (3.1)	566 (1.6)

Gender Differences in Achievement in the Sciences - Seventh Grade

Boys Mean	Girls Mean	Difference
392 (3.1)	397 (2.8)	5 (4.2)

Gender Differences in Achievement in the Sciences - Sixth Grade

Boys Mean	Girls Mean	Difference
381 (2.3)	383 (1.8)	2 (2.9)

**Percentages of Students Achieving International Marker Levels in the Sciences
Seventh Grade**

Top 10% Level	Top Quarter Level	Top Half Level
1 (0.1)	4 (0.3)	13 (0.7)

**Percentages of Students Achieving International Marker Levels in the Sciences
Sixth Grade**

Top 10% Level	Top Quarter Level	Top Half Level
2 (0.1)	6 (0.2)	18 (0.5)

() Standard errors appear in parentheses. Because results are rounded to the nearest whole number, some totals may appear inconsistent.

SOURCE: IEA Third International Mathematics and Science Study (TIMSS), 1994-95.

Table C.1 (Continued)
Philippines - Selected Achievement Results in the Sciences - Unweighted Data

Average Percent Correct by Science Content Areas - Seventh Grade

Science Overall	Earth Science	Life Science	Physics	Chemistry	Environmental Issues & the Nature of Science
38 (0.5)	40 (0.6)	38 (0.5)	39 (0.5)	31 (0.5)	38 (0.5)

Average Percent Correct by Science Content Areas -Sixth Grade

Science Overall	Earth Science	Life Science	Physics	Chemistry	Environmental Issues & the Nature of Science
35 (0.3)	37 (0.4)	38 (0.4)	36 (0.3)	27 (0.3)	36 (0.5)

**Average Percent Correct for Boys and Girls by Science Content Areas
Seventh Grade**

Science Overall		Earth Science		Life Science		Physics	
Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
37 (0.6)	38 (0.5)	40 (0.6)	40 (0.6)	38 (0.6)	39 (0.5)	39 (0.6)	38 (0.5)

Chemistry		Environmental Issues & the Nature of Science	
Boys	Girls	Boys	Girls
31 (0.6)	31 (0.5)	36 (0.6)	40 (0.6)

**Average Percent Correct for Boys and Girls by Science Content Areas
Sixth Grade**

Science Overall		Earth Science		Life Science		Physics	
Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
35 (0.4)	36 (0.3)	37 (0.5)	37 (0.4)	37 (0.5)	39 (0.4)	37 (0.4)	35 (0.3)

Chemistry		Environmental Issues & the Nature of Science	
Boys	Girls	Boys	Girls
27 (0.4)	27 (0.4)	35 (0.6)	37 (0.5)

*Seventh or Eighth grades in most countries; see Table 2 for information about the grades tested in the Philippines.
 () Standard errors appear in parentheses. Because results are rounded to the nearest whole number, some totals may appear inconsistent.

SOURCE: IEA Third International Mathematics and Science Study (TIMSS), 1994-95.

