

Appendix table 1-7

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Average science score of students in grades 4, 8, and 12, by student characteristics: 1996, 2000, and 2005

Grade/student characteristic	1996	2000	2005
All grade 4 students.....	147	147	151
Sex			
Male.....	148	149	153
Female.....	146	145	149
Race/ethnicity			
White, non-Hispanic.....	158	159	162
Black, non-Hispanic.....	120	122	129
Hispanic.....	124	122	133
Asian/Pacific Islander ^a	144	NA	158
American Indian/Alaska Native.....	129	135	138
Free/reduced-price lunch			
Eligible.....	129	127	135
Not eligible.....	159	158	162
Percentile score			
10th.....	99	99	109
25th.....	125	125	130
50th.....	150	150	153
75th.....	172	172	173
90th.....	190	190	189
All grade 8 students.....	149	149	149
Sex			
Male.....	150	153	150
Female.....	148	146	147
Race/ethnicity			
White, non-Hispanic.....	159	161	160
Black, non-Hispanic.....	121	121	124
Hispanic.....	128	127	129
Asian/Pacific Islander.....	151	153	156
American Indian/Alaska Native.....	148	147	128
Free/reduced-price lunch			
Eligible.....	129	127	130
Not eligible.....	156	159	159
Percentile score			
10th.....	103	101	101
25th.....	127	126	126
50th.....	152	152	151
75th.....	174	175	174
90th.....	192	194	192
All grade 12 students.....	150	146	147
Sex			
Male.....	154	148	149
Female.....	147	145	145
Race/ethnicity			
White, non-Hispanic.....	159	153	156
Black, non-Hispanic.....	123	122	120
Hispanic.....	131	128	128
Asian/Pacific Islander.....	147	149	153
American Indian/Alaska Native.....	144	151	139

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Average science score of students in grades 4, 8, and 12, by student characteristics: 1996, 2000, and 2005

Grade/student characteristic	1996	2000	2005
Percentile score			
10th	105	101	101
25th	128	124	125
50th	152	148	149
75th	174	170	171
90th	192	189	189

NA = not available

*Special analyses raised concerns about accuracy and precision of national grade 4 Asian/Pacific Islander results in 2000; therefore omitted from National Center for Education Statistics (NCES) reports and this report.

NOTES: Scores on 0–300 scale for each grade. National Assessment of Educational Progress (NAEP) recently changed way it includes students with disabilities and limited English proficiency in assessments. Before 1996, these students not allowed to use testing accommodations (e.g., extended time, one-on-one testing, bilingual dictionary). In 1996 and 2000, assessment administered to split samples: accommodations not permitted and accommodations permitted. Results in this table for 1996 and 2000 for sample allowed to use accommodations. In 2005, NAEP science assessment completed transition to an accommodations-permitted test.

SOURCES: NCES, The Nation's Report Card: Science 2005, NCES 2006-466 (2006); NAEP, 1996, 2000, and 2005 science assessments; and National Science Foundation, Division of Science Resources Statistics, special tabulations.