Institute of Education Sciences

# condition of education 2007 



## INDICATOR 13

## Science Performance of Students in Grades 4, 8, and 12

The indicator and corresponding tables are taken directly from The Condition of Education 2007. Therefore, the page numbers may not be sequential.

Additional information about the survey data and supplementary notes can be found in the full report. For a copy of The Condition of Education 2007, visit the NCES website (http://nces.ed.gov/pubsearch/pubsinfo.asp?pubid=2007064) or contact ED PUBs at 1-877-4ED-PUBS.

Suggested Citation:
U.S. Department of Education, National Center for Education Statistics. (2007). The Condition of Education 2007 (NCES 2007-064). Washington, DC: U.S. Government Printing Office.

[^0]
## Academic Outcomes

## Science Performance of Students in Grades 4,8, and 12

## In 2005, the average science score of students was higher at grade 4 than in previous assessment years, was not measurably different at grade 8, and was lower at grade 12 than in 1996.

The National Assessment of Educational Progress (NAEP) has assessed the science abilities of students in grades 4,8 , and 12 in both public and private schools since 1996, using a separate $0-300$ scale for each grade. The national average 4th-grade science score increased from 147 in 1996 to 151 in 2005; there was no measurable change in the 8th-grade score; and the 12th-grade score decreased from 150 in 1996 to 147 in 2005 (see supplemental table 13-1).

Achievement levels (Basic, Proficient, and Advanced), which identify what students should know and be able to do at each grade, provide another measure of student performance. The percentages of 4th- and 8th-graders at or above Proficient (indicating solid academic achievement) were not measurably different from 1996 to 2005, while the percentage of 12 th-graders at or above this achievement level was lower in 2005 than in 1996. In 2005, some 29 percent of 4th- and 8thgraders and 18 percent of 12 th-graders were at or above Proficient.

Certain subgroups outperformed others in science in 2005. For example, males outperformed females
at all three grades. Male 4th-graders had a higher average score in 2005 than in 1996, and both male and female 12th-graders had lower scores in 2005 than in 1996 (see supplemental table 13-2). White students scored higher, on average, than Black and Hispanic students at all three grades in 2005. At 4th grade, average scores were higher for White, Black, Hispanic, and Asian/Pacific Islander students in 2005 than in 1996. At 8th grade, the average score for Black students was higher in 2005 than in 1996, but the scores did not measurably change for other racial/ethnic groups. At 12th grade, there were no measurable changes in average scores for any racial/ethnic group when comparing results from 2005 with those from 1996.

NAEP results also permit state-level comparisons of the abilities of 4th- and 8th-graders (but not 12thgraders) in public schools. At grade 4, of the 36 states that participated in both the 2000 and 2005 assessments, average science scores were higher in 2005 than in 2000 in 9 states (see supplemental table 13-3). At grade 8, of the 36 states that participated in 1996 and 2005, average scores were higher in 2005 than in 1996 in 8 states and lower in 5 states.

SCIENCE PERFORMANCE: Percentage of students performing at or above Basic and at or above Proficient in science, by grade: 1996, 2000, and 2005


NOTE:Variations or changes in exclusion rates for students with disabilities and limited-Englishproficient students in the NAEP samples may affect comparative performance results. See supplemental note 4 for more information on testing accommodations and NAEP.

SOURCE:U.S. Department of Education, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 1996, 2000, and 2005 Science Assessments, NAEP Data Explorer.

FOR MORE INFORMATION:
Supplemental Notes 1,4
(i)

Supplemental Tables 13-1,
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## Science Performance of Students in Grades 4, 8, and 12

Table 13-1. Average science scores overall and by grade level, selected percentiles, and percentage of students at each achievement level: 1996, 2000, and 2005

| Percentile and achievement level | Grade 4 |  |  | Grade 8 |  |  | Grade 12 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1996 | 2000 | 2005 | 1996 | 2000 | 2005 | 1996 | 2000 | 2005 |
| Average score |  |  |  |  |  |  |  |  |  |
| Total | 147* | 147* | 151 | 149 | 149 | 149 | 150* | 146 | 147 |
| Percentile ${ }^{1}$ |  |  |  |  |  |  |  |  |  |
| 10th | 99* | 99* | 109 | 103 | 101 | 101 | 105* | 101 | 101 |
| 25th | 125* | 125* | 130 | 127 | 126 | 126 | 128* | 124 | 125 |
| 50th | 150* | 150* | 153 | 152 | 152 | 151 | 152 | 148 | 149 |
| 75th | 172 | 172 | 173 | 174 | 175* | 174 | 174* | 170 | 171 |
| 90th | 190 | 190 | 189 | 192 | 194 | 192 | 192* | 189 | 189 |

## Percentage at achievement level

Achievement level

| Below Basic | $37^{*}$ | $37^{*}$ | 32 | 40 | 41 | 41 | $43^{*}$ | 48 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| At or above Basic | $63^{*}$ | $63^{*}$ | 68 | 60 | 59 | 59 | $57^{*}$ | 52 | 54 |
| At or above Proficient | 28 | 27 | 29 | 29 | 30 | 29 | $21^{*}$ | 18 | 18 |
| At Advanced | $3^{*}$ | 3 | 3 | 3 | $4^{*}$ | 3 | 2 | 2 |  |

*Significantly different from 2005 ( $p<.05$ ).
${ }^{1}$ A score location at or below which a specified percentage of the population falls. In 1996, for example, 10 percent of the 4th-graders scored at or below 99 , while 90 percent of 4th-graders scored above 99 .
NOTE: At the state level, the National Assessment of Educational Progess (NAEP) includes only students in public schools, while national results in this indicator include both public and private school students. Variations or changes in exclusion rates for students with disabilities and limited-English-proficient students in the NAEP samples may affect comparative performance results. See supplemental note 4 for more information on testing accommodations and NAEP.
SOURCE:U.S. Department of Education, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 1996, 2000, and 2005 Science Assessments, NAEP Data Explorer.

## Science Performance of Students in Grades 4, 8, and 12

Table 13-2. Average science scores for 4th-, 8th-, and 12th-graders, by selected student characteristics: 1996, 2000, and 2005

| Student characteristic | Grade 4 |  |  | Grade 8 |  |  | Grade 12 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1996 | 2000 | 2005 | 1996 | 2000 | 2005 | 1996 | 2000 | 2005 |
| Total | 147* | 147* | 151 | 149 | 149 | 149 | 150 | 146 | 147 |
| Sex |  |  |  |  |  |  |  |  |  |
| Male | 148* | 149* | 153 | 150 | 153 | 150 | 154* | 148 | 149 |
| Female | 146 | 145* | 149 | 148 | 146 | 147 | 147* | 145 | 145 |
| Race/ethnicity ${ }^{1}$ |  |  |  |  |  |  |  |  |  |
| White | 158* | 159* | 162 | 159 | 161 | 160 | 159 | 153 | 156 |
| Black | 120* | 122* | 129 | 121* | 121 | 124 | 123 | 122 | 120 |
| Hispanic | 124* | 122* | 133 | 128 | 127 | 129 | 131 | 128 | 128 |
| Asian/Pacific Islander | 144* | $\ddagger$ | 158 | 151 | 153 | 156 | 147 | 149 | 153 |
| American Indian | 129 | 135 | 138 | 148 | 147 | 128 | 144 | 151 | 139 |
| Parents' education |  |  |  |  |  |  |  |  |  |
| Less than high school | - | - | - | - | - | 128 | - | - | 125 |
| High school diploma or equivalent | - | - | - | - | - | 138 | - | - | 136 |
| Some college | - | - | - | - | - | 151 | - | - | 148 |
| Bachelor's degree or higher | - | - | - | - | - | 159 | - | - | 157 |
| Eligible for free or reduced-price lunch |  |  |  |  |  |  |  |  |  |
| Eligible | 129* | 127* | 135 | 129 | 127* | 130 | 127 | 124* | 129 |
| Not eligible | 159* | 158* | 162 | 156* | 159 | 159 | 154* | 149 | 152 |
| Information not available | 151* | 160 | 160 | 157 | 155* | 160 | 152* | 150* | 158 |
| - Not available. |  |  |  |  |  |  |  |  |  |
| $\ddagger$ Reporting standards not met (too few cases) |  |  |  |  |  |  |  |  |  |
| * Signficantly different from 2005 ( $p<.05$ ). |  |  |  |  |  |  |  |  |  |
| ${ }^{1}$ Race categories exclude persons of Hispanic ethnicity. |  |  |  |  |  |  |  |  |  |
| NOTE: At the state level, the National Assessment of Educational Progess (NAEP) includes only students in public schools, while national results in this indicator include both public and private school students. Variations or changes in exclusion rates for students with disabilities and limited-English-proficient students in the NAEP samples may affect comparative performance results. See supplemental note 4 for more information on testing accommodations and NAEP. |  |  |  |  |  |  |  |  |  |
| SOURCE:U.S. Department of Education, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 1996, 2000, and 2005 Science Assessments, NAEP Data Explorer. |  |  |  |  |  |  |  |  |  |

## Science Performance of Students in Grades 4, 8, and 12

Table 13-3. Average science scores for public school 4th- and 8th-graders, by state: 1996, 2000, and 2005

|  | Grade 4 |  | Grade 8 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| State | 2000 | 2005 | 1996 ${ }^{1}$ | 2000 | 2005 |
| United States | 145* | 149 | 148 | 148 | 147 |
| Alabama | 143 | 142 | 139 | 143* | 138 |
| Arizona | 140 | 139 | 145* | 145* | 140 |
| Arkansas | 145 | 147 | 144 | 142 | 144 |
| California | 129* | 137 | 138 | 129* | 136 |
| Colorado | - | 155 | 155 | - | 155 |
| Connecticut | 156 | 155 | 155 | 153 | 152 |
| Delaware | - | 152 | 142* | - | 152 |
| Florida | - | 150 | 142 | - | 141 |
| Georgia | 142* | 148 | 142 | 142 | 144 |
| Hawaii | 136* | 142 | 135 | 130* | 136 |
| Idaho | 152 | 155 | - | 158 | 158 |
| Illinois | 150 | 148 | - | 148 | 148 |
| Indiana | 154 | 152 | 153 | 154* | 150 |
| lowa | 159 | - | 158 | - | - |
| Kentucky | 152* | 158 | 147* | 150* | 153 |
| Louisiana | 139 | 143 | 132* | 134* | 138 |
| Maine | 161 | 160 | 163* | 158 | 158 |
| Maryland | 145* | 149 | 145 | 146 | 145 |
| Massachusetts | 161 | 160 | 157* | 158* | 161 |
| Michigan | 152 | 152 | 153 | 155 | 155 |
| Minnesota | 157 | 156 | 159 | 159 | 158 |
| Mississippi | 133 | 133 | 133 | 134 | 132 |
| Missouri | 157 | 158 | 151 | 154 | 154 |
| Montana | 160 | 160 | 162 | 164 | 162 |
| Nebraska | 150 | - | 157 | 158 | - |
| Nevada | 142 | 140 | $\ddagger$ | 141* | 138 |
| New Hampshire | - | 161 | $\ddagger$ | - | 162 |
| New Jersey | - | 154 | $\ddagger$ | - | 153 |
| New Mexico | 140 | 141 | 141* | 139 | 138 |
| New York | 148 | - | 146 | 145 | - |
| North Carolina | 147 | 149 | 147 | 145 | 144 |
| North Dakota | 160 | 160 | 162 | 159* | 163 |
| Ohio | 155 | 157 | - | 159 | 155 |
| Oklahoma | 151 | 150 | - | 149 | 147 |
| Oregon | 148 | 151 | 155 | 154 | 153 |
| Rhode Island | 148 | 146 | 149* | 148 | 146 |
| South Carolina | 140* | 148 | 139* | 140* | 145 |
| South Dakota | - | 158 | - | - | 161 |
| Tennessee | 145* | 150 | 143 | 145 | 145 |
| Texas | 145* | 150 | 145 | 143 | 143 |

See notes at end of table.

## Science Performance of Students in Grades 4, 8, and 12

Table 13-3. Average science scores for public school 4th- and 8th-graders, by state: 1996, 2000, and 2005—Continued

| State | Grade 4 |  | Grade 8 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000 | 2005 | 1996 ${ }^{1}$ | 2000 | 2005 |
| Utah | 154 | 155 | 156* | 154 | 154 |
| Vermont | 160 | 160 | 157* | 159* | 162 |
| Virginia | 155* | 161 | 149* | 151* | 155 |
| Washington | - | 153 | 150* | - | 154 |
| West Virginia | 149 | 151 | 147 | 146 | 147 |
| Wisconsin | $\ddagger$ | 158 | 160 | $\ddagger$ | 158 |
| Wyoming | 156 | 157 | 158 | 156* | 159 |

— Not available.
$\ddagger$ Reporting standards not met (too few cases).

* Significantly different from 2005 ( $p<.05$ ).
${ }^{1}$ Testing accommodations (e.g.e extended time, small group testing) for children with disabilities and limited-English-proficient students were not permitted on the 1996 science assessment.
NOTE:Data are presented for states with representative samples large enough for reporting state-level results. At the state level, the National Assessment of Educational Progress (NAEP) includes only students in public schools,
while national results in this indicator include both public and private school students. Variations or changes in exclusion rates for students with disabilities and limited-English-proficient students in the NAEP samples may
affect comparative performance results. See supplemental note 4 for more information on testing accommodations and NAEP.
SOURCE:U.S. Department of Education, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 1996, 2000, and 2005 Science Assessments, NAEP Data Explorer.


## Science Performance of Students in Grades 4,8, and 12

Table S13-1. Standard errors for the average science scores overall and by grade level, selected percentiles, and percentage of students at each achievement level: 1996, 2000, and 2005

| Percentile and achievement level | Grade 4 |  |  | Grade 8 |  |  | Grade 12 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1996 | 2000 | 2005 | 1996 | 2000 | 2005 | 1996 | 2000 | 2005 |
| Average score |  |  |  |  |  |  |  |  |  |
| Total | 1.1 | 0.9 | 0.3 | 0.8 | 1.0 | 0.3 | 0.7 | 0.9 | 0.6 |
| Percentile |  |  |  |  |  |  |  |  |  |
| 10th | 2.1 | 1.7 | 0.5 | 1.5 | 1.2 | 0.6 | 1.4 | 1.4 | 1.2 |
| 25th | 1.6 | 1.4 | 0.4 | 1.2 | 1.3 | 0.4 | 1.1 | 1.0 | 0.8 |
| 50th | 1.2 | 0.9 | 0.4 | 0.7 | 0.9 | 0.3 | 1.2 | 1.0 | 0.8 |
| 75th | 1.0 | 0.7 | 0.3 | 0.8 | 0.8 | 0.3 | 0.8 | 1.2 | 0.8 |
| 90th | 0.8 | 1.0 | 0.3 | 0.8 | 1.0 | 0.3 | 0.9 | 1.2 | 1.2 |

## Percentage at achievement level

Achievement level

| Below Basic | 1.4 | 1.2 | 0.4 | 1.0 | 1.2 | 0.4 | 1.0 | 1.2 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| At or above Basic | 1.4 | 1.2 | 0.4 | 1.0 | 1.2 | 0.4 | 1.0 | 1.2 |
| At or above Proficient | 1.0 | 0.9 | 0.4 | 0.9 | 1.0 | 0.3 | 0.8 |  |
| At Advanced | 0.3 | 0.4 | 0.1 | 0.3 | 0.3 | 0.1 | 0.9 |  |

SOURCE:US. Department of Education, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 1996, 2000, and 2005 Science Assessments, NAEP Data Explorer.

Table S13-2. Standard errors for the average science scores for 4th-, 8th-, and 12th-graders, by selected student characteristics: 1996, 2000, and 2005

| Characteristic | Grade 4 |  |  | Grade 8 |  |  | Grade 12 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1996 | 2000 | 2005 | 1996 | 2000 | 2005 | 1996 | 2000 | 2005 |
| Total | 1.1 | 0.9 | 0.3 | 0.8 | 1.0 | 0.3 | 0.7 | 0.9 | 0.6 |
| Sex |  |  |  |  |  |  |  |  |  |
| Male | 1.3 | 1.1 | 0.3 | 0.9 | 1.1 | 0.4 | 1.0 | 1.1 | 0.7 |
| Female | 1.1 | 1.0 | 0.3 | 0.9 | 1.1 | 0.3 | 0.8 | 1.0 | 0.6 |
| Race/ethnicity |  |  |  |  |  |  |  |  |  |
| White | 0.9 | 0.7 | 0.3 | 0.8 | 0.8 | 0.2 | 0.9 | 1.2 | 0.6 |
| Black | 1.3 | 1.0 | 0.6 | 0.9 | 1.4 | 0.4 | 1.1 | 1.7 | 0.9 |
| Hispanic | 3.0 | 2.3 | 0.5 | 2.7 | 1.4 | 0.5 | 2.2 | 1.7 | 1.3 |
| Asian/Pacific Islander | 3.7 | † | 1.0 | 4.2 | 2.9 | 0.9 | 3.3 | 3.6 | 1.7 |
| American Indian | 11.9 | 6.9 | 1.9 | 3.5 | 6.7 | 4.0 | 7.5 | 3.6 | 5.3 |
| Parents' education |  |  |  |  |  |  |  |  |  |
| Less than high school | $\dagger$ | $\dagger$ | † | + | $\dagger$ | 0.5 | † | $\dagger$ | 1.4 |
| High school diploma or equivalent | † | $\dagger$ | $\dagger$ | $\dagger$ | $\dagger$ | 0.5 | $\dagger$ | † | 0.9 |
| Some college | † | $\dagger$ | † | $\dagger$ | $\dagger$ | 0.4 | $\dagger$ | t | 0.7 |
| Bachelor's degree or higher | † | + | $\dagger$ | $\dagger$ | t | 0.3 | $\dagger$ | † | 0.6 |
| Eligible for free or reduced-price lunch |  |  |  |  |  |  |  |  |  |
| Eligible | 1.7 | 1.3 | 0.3 | 1.6 | 1.1 | 0.3 | 1.6 | 1.8 | 0.9 |
| Not eligible | 0.9 | 1.1 | 0.3 | 0.9 | 1.0 | 0.3 | 0.9 | 1.2 | 0.6 |
| Information not available | 3.9 | 1.5 | 0.9 | 2.3 | 1.7 | 1.5 | 2.0 | 1.8 | 1.9 |
| $\dagger$ Not applicable. <br> SOURCE:U.S. Department of Education,National Center fo | National A | ment of Ed | onal Progr | $1996,2000$ | $\text { d } 2005 \text { Scie }$ | Assessment | Explorer |  |  |

## Science Performance of Students in Grades 4, 8, and 12

Table S13-3. Standard errors for the average science scores for public school 4th- and 8th-graders, by state: 1996, 2000, and 2005

| State | Grade 4 |  | Grade 8 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000 | 2005 | 1996 | 2000 | 2005 |
| United States | 1.1 | 0.3 | 0.9 | 1.1 | 0.3 |
| Alabama | 1.7 | 1.2 | 1.6 | 1.7 | 1.3 |
| Arizona | 1.8 | 1.5 | 1.6 | 1.3 | 0.9 |
| Arkansas | 1.3 | 1.2 | 1.3 | 1.2 | 1.0 |
| California | 3.0 | 0.6 | 1.7 | 1.8 | 0.7 |
| Colorado | $\dagger$ | 1.1 | 0.9 | $\dagger$ | 1.3 |
| Connecticut | 1.3 | 1.0 | 1.3 | 1.6 | 1.0 |
| Delaware | $\dagger$ | 0.6 | 0.8 | $\dagger$ | 0.6 |
| Florida | † | 0.6 | 1.6 | $\dagger$ | 1.2 |
| Georgia | 1.4 | 1.3 | 1.4 | 1.6 | 1.1 |
| Hawaii | 1.4 | 1.0 | 0.7 | 1.4 | 0.8 |
| Idaho | 1.4 | 0.8 | $\dagger$ | 1.0 | 1.0 |
| Illinois | 2.4 | 1.0 | $\dagger$ | 1.7 | 1.1 |
| Indiana | 1.5 | 1.0 | 1.4 | 1.4 | 1.3 |
| lowa | 1.3 | $\dagger$ | 1.2 | $\dagger$ | $\dagger$ |
| Kentucky | 1.2 | 0.9 | 1.2 | 1.2 | 0.9 |
| Louisiana | 1.8 | 1.1 | 1.6 | 1.5 | 1.5 |
| Maine | 1.1 | 0.9 | 1.0 | 0.9 | 0.7 |
| Maryland | 1.3 | 1.1 | 1.5 | 1.4 | 1.4 |
| Massachusetts | 1.4 | 1.0 | 1.4 | 1.1 | 1.0 |
| Michigan | 1.8 | 1.3 | 1.4 | 1.8 | 1.2 |
| Minnesota | 1.6 | 1.1 | 1.3 | 1.2 | 1.1 |
| Mississippi | 1.4 | 1.2 | 1.4 | 1.2 | 1.2 |
| Missouri | 1.2 | 1.0 | 1.2 | 1.2 | 1.2 |
| Montana | 1.5 | 0.9 | 1.2 | 1.4 | 0.8 |
| Nebraska | 1.8 | $\dagger$ | 1.0 | 1.4 | $\dagger$ |
| Nevada | 1.2 | 1.0 | $\dagger$ | 1.0 | 0.9 |
| New Hampshire | $\dagger$ | 0.9 | $\dagger$ | $\dagger$ | 0.9 |
| New Jersey | $\dagger$ | 1.3 | $\dagger$ | $\dagger$ | 1.2 |
| New Mexico | 1.8 | 1.0 | 1.0 | 1.5 | 0.9 |
| New York | 1.3 | $\dagger$ | 1.6 | 2.1 | $\dagger$ |
| North Carolina | 1.3 | 0.9 | 1.2 | 1.4 | 1.0 |
| North Dakota | 0.9 | 0.5 | 0.8 | 1.1 | 0.6 |
| Ohio | 1.4 | 1.2 | $\dagger$ | 1.5 | 1.2 |
| Oklahoma | 1.3 | 1.1 | $\dagger$ | 1.1 | 1.3 |
| Oregon | 2.0 | 1.0 | 1.6 | 1.3 | 1.0 |
| Rhode Island | 1.3 | 1.1 | 0.8 | 0.9 | 0.7 |
| South Carolina | 1.3 | 1.1 | 1.5 | 1.4 | 1.1 |
| South Dakota | $\dagger$ | 0.5 | $\dagger$ | $\dagger$ | 0.7 |
| Tennessee | 1.4 | 1.1 | 1.8 | 1.5 | 1.2 |
| Texas | 1.8 | 0.7 | 1.8 | 1.7 | 0.8 |

See notes at end of table.

## Science Performance of Students in Grades 4, 8, and 12

Table S13-3. Standard errors for the average science score for public school 4th- and 8th-graders, by state: 1996, 2000, and 2005—Continued

| State | Grade 4 |  | Grade 8 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2000 | 2005 | 1996 | 2000 | 2005 |
| Utah | 1.3 | 0.8 | 0.8 | 1.0 | 0.7 |
| Vermont | 1.3 | 0.6 | 1.0 | 1.0 | 0.6 |
| Virginia | 1.4 | 1.0 | 1.6 | 1.0 | 1.1 |
| Washington | $\dagger$ | 1.0 | 1.3 | $\dagger$ | 0.8 |
| West Virginia | 1.3 | 0.8 | 0.9 | 1.1 | 0.8 |
| Wisconsin | $\dagger$ | 0.9 | 1.7 | $\dagger$ | 1.0 |
| Wyoming | 1.3 | 0.5 | 0.6 | 1.0 | 0.6 |

[^1]
[^0]:    U.S. Department of Education

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[^1]:    $\dagger$ Not applicable.
    SOURCE:U.S. Department of Education, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 1996, 2000, and 2005 Science Assessments, NAEP Data Explorer.

