

Detailed State-Level Data on State Science-Mathematics Indicators from the 2001-02 School Year

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**Detailed State-Level Data on State Science-Mathematics Indicators
from the 2001-02 School Year**

**Section I
Course Enrollment Data, 7-8, 9-12**

Table 1.1**Grades 7-8 Mathematics Course Enrollments as a Percent of Students in Grades 7-8, 2002**

	Grade 7				Grade 8					Grades 7-8	
	Student Membership (Grade 7)	% Remedial Math	% Regular Math	% Accelerated Math	Student Membership (Grade 8)	% Remedial Math	% Regular Math	% Accelerated Math	% Algebra 1 Math	Student Membership (Grades 7-8)	% Integrated Middle Grades Math
State											
Alabama	60,194	—	—	—	56,591	—	—	—	—	116,785	—
Alaska	10,967	—	—	—	10,702	—	—	—	—	21,669	—
Arizona	72,303	—	—	—	69,643	—	—	—	—	141,946	—
Arkansas	36,284	—	85%	10%	35,372	—	43%	35%	21%	71,656	—
California	472,363	2%	47%	31%	461,133	2%	16%	20%	39%	933,496	1%
Colorado	57,494	—	—	—	56,540	—	—	—	—	114,034	—
Connecticut	45,254	7%	61%	26%	43,954	6%	37%	28%	25%	89,208	1%
Delaware	9,222	—	—	—	9,397	—	—	—	—	18,619	—
District of Columbia	4,261	33%	116%	—	3,662	—	—	94%	31%	7,923	19%
DoDEA	7,574	1%	93%	4%	6,616	0.1%	60%	6%	34%	14,190	2%
Florida	202,100	4%	85%	—	194,250	4%	62%	5%	19%	396,350	0.2%
Georgia	116,877	—	—	—	112,145	—	—	—	—	229,022	—
Guam	2,545	—	—	—	2,311	—	—	—	—	4,856	—
Hawaii	14,017	—	—	—	13,705	—	—	—	—	27,722	—
Idaho	19,372	—	62%	28%	19,592	—	28%	38%	27%	38,964	7%
Illinois	157,988	—	—	—	151,737	—	—	—	—	309,725	—
Indiana	79,863	2%	85%	10%	76,999	0.4%	68%	15%	12%	156,862	—
Iowa	37,666	—	—	—	37,115	—	—	—	—	74,781	—
Kansas	35,844	—	—	—	36,120	—	—	—	—	71,964	—
Kentucky	48,961	—	—	—	47,019	—	—	—	—	95,980	—
Louisiana	58,494	0.5%	59%	—	61,115	0.5%	15%	25%	4%	119,609	—
Maine	17,223	—	—	—	17,347	—	—	—	—	34,570	—
Maryland	68,600	—	—	—	66,211	—	—	—	—	134,811	—
Massachusetts	78,147	5%	66%	27%	75,219	4%	43%	13%	35%	153,366	2%
Michigan	134,917	8%	54%	13%	129,908	3%	41%	12%	14%	264,825	0%
Minnesota	66,701	—	108%	7%	66,797	—	64%	8%	17%	133,498	—
Mississippi	39,304	2%	72%	18%	36,731	2%	42%	6%	13%	76,035	—
Missouri	71,290	0.3%	66%	20%	69,677	1%	36%	0%	23%	140,967	—
Montana	12,087	—	—	—	12,389	—	—	—	—	24,476	—
Nebraska	21,759	—	38%	35%	21,757	5%	0%	0%	27%	43,516	—
Nevada	28,424	16%	76%	19%	27,028	6%	67%	16%	13%	55,452	0.4%
New Hampshire	17,314	—	—	—	17,111	—	—	—	—	34,425	—
New Jersey	101,679	—	—	—	97,127	—	—	—	—	198,806	—
New Mexico	25,403	48%	36%	10%	25,012	2%	49%	31%	15%	50,415	2%
New York	217,811	7%	74%	15%	210,369	8%	71%	—	—	428,180	10%
North Carolina	106,669	—	126%	29%	102,126	—	0%	0%	19%	208,795	0%
North Dakota	8,385	2%	84%	11%	8,514	2%	53%	26%	16%	16,899	—
Ohio	145,388	4%	73%	8%	141,218	4%	61%	2%	22%	286,606	0.3%
Oklahoma	47,198	1%	70%	17%	45,745	1%	36%	37%	9%	92,943	—
Oregon	43,986	—	—	—	42,988	—	—	—	—	86,974	—
Pennsylvania	147,957	—	—	—	146,138	—	—	—	—	294,095	—
Puerto Rico	50,768	—	—	—	46,410	—	—	—	—	97,178	—
Rhode Island	12,945	—	—	—	12,458	—	—	—	—	25,403	—
South Carolina	57,301	—	—	—	55,939	—	—	—	—	113,240	—
South Dakota	10,049	—	89%	—	9,997	—	78%	0.1%	13%	20,046	—
Tennessee	72,738	—	96%	—	68,184	—	84%	—	14%	140,922	—
Texas	316,287	—	—	—	310,762	—	—	—	—	627,049	—
Utah	35,538	—	—	—	35,786	—	—	—	—	71,324	—
Vermont	8,146	7%	74%	11%	7,972	5%	64%	9%	20%	16,118	5%
Virgin Islands	—	—	—	—	—	—	—	—	—	—	—
Virginia	92,725	—	—	—	88,184	—	—	—	—	180,909	—
Washington	79,677	—	—	—	77,933	—	—	—	—	157,610	—
West Virginia	22,252	1%	96%	1%	21,650	1%	76%	1%	25%	43,902	—
Wisconsin	67,398	—	94%	—	66,558	—	78%	—	22%	133,956	2%
Wyoming	7,040	8%	65%	17%	7,211	9%	23%	37%	23%	14,251	5%
NATION	3,782,749	7%	73%	19%	3,674,174	3%	45%	19%	22%	7,456,923	#

— Data not available.

Minnesota: data source grade range 7-9 not included; Ohio: Cleveland not included; Tennessee: 00-01 data; Vermont: data includes imputation.

In some states data from self-contained classrooms are not included in the totals. # Too few states reporting to impute national percent.

Source: State Departments of Education, Data on Public Schools, 2001-02; NCES, CCD Fall Membership 2001.

Council of Chief State School Officers, State Services and Technical Assistance, Washington, DC, 2003.

Table 1.2**High School Mathematics Course Enrollments, Review, and Informal Math, as a Percent of Students in Grades 9-12, 2002**

State	Student Membership (Grades 9-12)	Review Math				Informal Math		
		General, Remedial (Level 1)	Consumer, Vocational (Level 2)	General (Level 3 & 4)	Sum Review Math	Pre-Algebra (Level 1*)	Basic Geometry (Level 2-3)	Sum Informal Math
Alabama	201,610	—	—	—	—	—	—	—
Alaska	39,461	—	—	—	—	—	—	—
Arizona	249,920	—	—	—	—	—	—	—
Arkansas	131,418	—	—	—	—	—	—	—
California	1,745,295	2%	1%	—	3%	10%	—	10%
Colorado	212,989	—	—	—	—	—	—	—
Connecticut	160,211	4%	3%	1%	8%	11%	6%	17%
Delaware	34,281	—	—	—	—	—	—	—
District of Columbia	13,530	24%	—	2%	26%	—	1%	1%
DoDEA	17,920	0.4%	0.1%	0.02%	0.5%	8%	7%	15%
Florida	703,064	4%	1%	—	5%	12%	4%	16%
Georgia	395,439	—	—	—	—	—	—	—
Guam	8,859	—	—	—	—	—	—	—
Hawaii	52,613	—	—	—	—	—	—	—
Idaho	75,098	2%	—	—	2%	7%	0.3%	8%
Illinois	585,396	—	—	—	—	—	—	—
Indiana	282,531	5%	—	—	5%	8%	1%	9%
Iowa	153,856	6%	4%	—	11%	13%	2%	15%
Kansas	143,570	—	—	—	—	—	—	—
Kentucky	179,275	—	—	—	—	—	—	—
Louisiana	193,536	1%	1%	—	2%	1%	1%	2%
Maine	61,067	—	—	—	—	—	—	—
Maryland	246,807	—	—	—	—	—	—	—
Massachusetts	273,644	3%	2%	1%	6%	6%	7%	13%
Michigan	497,159	3%	2%	2%	6%	7%	8%	15%
Minnesota	278,356	2%	3%	—	5%	3%	—	3%
Mississippi	126,361	2%	—	—	2%	14%	—	14%
Missouri	265,810	5%	2%	—	6%	11%	—	11%
Montana	49,151	—	—	—	—	—	—	—
Nebraska	90,442	9%	1%	—	10%	9%	1%	10%
Nevada	94,323	2%	4%	2%	8%	10%	0.2%	10%
New Hampshire	62,286	—	—	—	—	—	—	—
New Jersey	349,406	—	—	—	—	—	—	—
New Mexico	95,224	8%	2%	—	10%	12%	3%	14%
New York	790,657	3%	—	1%	3%	0.4%	—	0.4%
North Carolina	359,398	0%	0%	0%	0%	6%	—	6%
North Dakota	35,593	3%	5%	—	9%	9%	—	9%
Ohio	544,353	5%	0.2%	—	5%	2%	1%	2%
Oklahoma	175,124	1%	2%	—	3%	3%	1%	4%
Oregon	169,117	9%	0.2%	—	10%	7%	1%	8%
Pennsylvania	563,698	—	—	—	—	—	—	—
Puerto Rico	159,891	—	—	—	—	—	—	—
Rhode Island	45,263	—	—	—	—	—	—	—
South Carolina	191,096	—	—	—	—	—	—	—
South Dakota	40,479	2%	3%	—	6%	4%	0%	4%
Tennessee	250,392	1%	3%	—	4%	0%	—	0%
Texas	1,147,233	—	—	—	—	0.001%	—	0.001%
Utah	142,021	—	—	—	—	—	—	—
Vermont	31,787	3%	3%	1%	7%	6%	3%	9%
Virgin Islands	—	—	—	—	—	—	—	—
Virginia	336,897	—	—	—	—	—	—	—
Washington	312,943	—	—	—	—	—	—	—
West Virginia	82,857	2%	1%	1%	4%	21%	20%	41%
Wisconsin	287,557	—	—	—	—	4%	2%	5%
Wyoming	29,035	2%	1%	1%	5%	7%	2%	9%
NATION	13,765,299	3%	2%	1%	6%	7%	4%	10%

— Data not available. Minnesota: data source grade range 7-9 not included; Ohio: Cleveland not included; Oregon: partial data reported; Tennessee: 00-01 data; Vermont: data includes imputation.

* Informal Math, Level 1, includes first year of Algebra I in a two-year course.

Source: State Departments of Education, Data on Public Schools, 2001-02; NCES, CCD Fall Membership 2001.

Council of Chief State School Officers, State Services and Technical Assistance, Washington, DC, 2003.

Table 1.3**High School Mathematics Course Enrollments, Level 1 Through 5, as a Percent of Students in Grades 9-12, 2002**

State	Student Membership (Grades 9-12)	Algebra 1/ Integrated Math 1 (Level 1)	Geometry/ Integrated Math 2 (Level 2)	Algebra 2/ Integrated Math 3 (Level 3)	Trigonometry Pre-Calculus (Level 4)	Calculus (Level 5)	Calculus, AP (Level 5)	Sum Formal Math
Alabama	201,610	—	—	—	—	—	—	—
Alaska	39,461	—	—	—	—	—	—	—
Arizona	249,920	—	—	—	—	—	—	—
Arkansas	131,418	23%	26%	18%	10%	1%	1%	79%
California	1,745,295	21%	14%	10%	6%	0.4%	2%	54%
Colorado	212,989	—	—	—	—	—	—	—
Connecticut	160,211	19%	19%	17%	13%	1%	3%	72%
Delaware	34,281	—	—	—	—	—	—	—
District of Columbia	13,530	52%	22%	16%	5%	—	2%	98%
DoDEA	17,920	23%	23%	18%	9%	—	3%	76%
Florida	703,064	20%	17%	13%	6%	1%	1%	58%
Georgia	395,439	—	—	—	—	—	—	—
Guam	8,859	—	—	—	—	—	—	—
Hawaii	52,613	—	—	—	—	—	—	—
Idaho	75,098	22%	17%	15%	6%	2%	2%	63%
Illinois	585,396	—	—	—	—	—	—	—
Indiana	282,531	22%	18%	16%	9%	2%	1%	68%
Iowa	153,856	29%	18%	18%	12%	1%	1%	79%
Kansas	143,570	—	—	—	—	—	—	—
Kentucky	179,275	—	—	—	—	—	—	—
Louisiana	193,536	35%	20%	15%	12%	1%	1%	84%
Maine	61,067	—	—	—	—	—	—	—
Maryland	246,807	—	—	—	—	—	—	—
Massachusetts	273,644	22%	22%	19%	11%	4%	2%	80%
Michigan	497,159	16%	14%	13%	9%	2%	1%	55%
Minnesota	278,356	23%	21%	15%	10%	4%	—	72%
Mississippi	126,361	22%	22%	18%	8%	0.2%	1%	72%
Missouri	265,810	22%	20%	22%	9%	4%	—	77%
Montana	49,151	—	—	—	—	—	—	—
Nebraska	90,442	20%	22%	20%	15%	4%	—	80%
Nevada	94,323	15%	15%	11%	4%	0.5%	1%	47%
New Hampshire	62,286	—	—	—	—	—	—	—
New Jersey	349,406	—	—	—	—	—	—	—
New Mexico	95,224	21%	14%	14%	5%	0.3%	1%	55%
New York	790,657	32%	29%	14%	8%	1%	3%	86%
North Carolina	359,398	39%	25%	17%	15%	0%	2%	98%
North Dakota	35,593	22%	21%	19%	11%	2%	—	75%
Ohio	544,353	30%	21%	12%	10%	3%	2%	77%
Oklahoma	175,124	28%	21%	17%	8%	1%	2%	77%
Oregon	169,117	9%	3%	4%	2%	0.3%	0.4%	19%
Pennsylvania	563,698	—	—	—	—	—	—	—
Puerto Rico	159,891	—	—	—	—	—	—	—
Rhode Island	45,263	—	—	—	—	—	—	—
South Carolina	191,096	—	—	—	—	—	—	—
South Dakota	40,479	23%	18%	19%	11%	6%	—	76%
Tennessee	250,392	28%	19%	18%	7%	2%	2%	77%
Texas	1,147,233	27%	25%	18%	13%	0.001%	3%	86%
Utah	142,021	—	—	—	—	—	—	—
Vermont	31,787	22%	16%	15%	8%	1%	2%	63%
Virgin Islands	—	—	—	—	—	—	—	—
Virginia	336,897	—	—	—	—	—	—	—
Washington	312,943	—	—	—	—	—	—	—
West Virginia	82,857	18%	19%	20%	17%	1%	2%	77%
Wisconsin	287,557	30%	23%	18%	12%	1%	4%	88%
Wyoming	29,035	24%	20%	17%	10%	1%	3%	76%
NATION	13,765,299	25%	20%	15%	9%	1%	2%	73%

— Data not available. Minnesota: data source grade range 7-9 not included; Ohio: Cleveland not included; Oregon: partial data reported; Tennessee: 00-01 data; Vermont: data includes imputation.

Source: State Departments of Education, Data on Public Schools, 2001-02; NCES, CCD Fall Membership 2001. Council of Chief State School Officers, State Services and Technical Assistance, Washington, DC, 2003.

Table 1.4**Grades 7-8 Science Course Enrollments as a Percent of Students in Grades 7-8, 2002**

State	Student Membership (Grades 7-8)	% General Science	% Life Science	% Earth Science	% Physical Science	% Integrated/Coordinated Science	% Other Science
Alabama	116,785	—	—	—	—	—	—
Alaska	21,669	—	—	—	—	—	—
Arizona	141,946	—	—	—	—	—	—
Arkansas	71,656	28%	34%	38%	1%	—	0.3%
California	933,496	50%	13%	1%	13%	—	8%
Colorado	114,034	—	—	—	—	—	—
Connecticut	89,208	24%	21%	7%	19%	22%	5%
Delaware	18,619	—	—	—	—	—	—
District of Columbia	7,923	6%	70%	0.1%	59%	—	1%
DoDEA	14,190	17%	2%	1%	—	77%	2%
Florida	396,350	72%	6%	2%	7%	0.2%	0%
Georgia	229,022	—	—	—	—	—	—
Guam	4,856	—	—	—	—	—	—
Hawaii	27,722	—	—	—	—	—	—
Idaho	38,964	8%	38%	26%	17%	2%	—
Illinois	309,725	—	—	—	—	—	—
Indiana	156,862	95%	0.1%	0.1%	0.1%	1%	—
Iowa	74,781	—	—	—	—	—	—
Kansas	71,964	—	—	—	—	—	—
Kentucky	95,980	—	—	—	—	—	—
Louisiana	119,609	17%	20%	16%	22%	8%	1%
Maine	34,570	—	—	—	—	—	—
Maryland	134,811	—	—	—	—	—	—
Massachusetts	153,366	30%	17%	10%	13%	32%	3%
Michigan	264,825	35%	8%	5%	9%	18%	3%
Minnesota	133,498	—	45%	29%	6%	4%	—
Mississippi	76,035	—	—	—	—	95%	—
Missouri	140,967	48%	24%	18%	4%	—	1%
Montana	24,476	—	—	—	—	—	—
Nebraska	43,516	62%	12%	13%	8%	—	2%
Nevada	55,452	14%	11%	36%	41%	1%	1%
New Hampshire	34,425	—	—	—	—	—	—
New Jersey	198,806	—	—	—	—	—	—
New Mexico	50,415	6%	16%	32%	17%	17%	7%
New York	428,180	10%	21%	11%	28%	12%	1%
North Carolina	208,795	—	0.02%	1%	0.3%	87%	—
North Dakota	16,899	—	48%	50%	—	—	—
Ohio	286,606	63%	3%	2%	2%	8%	9%
Oklahoma	92,943	8%	—	12%	3%	65%	0.3%
Oregon	86,974	—	—	—	—	—	—
Pennsylvania	294,095	—	—	—	—	—	—
Puerto Rico	97,178	—	—	—	—	—	—
Rhode Island	25,403	—	—	—	—	—	—
South Carolina	113,240	—	—	—	—	—	—
South Dakota	20,046	61%	11%	17%	2%	4%	—
Tennessee	140,922	97%	—	—	—	—	—
Texas	627,049	—	—	—	—	—	—
Utah	71,324	—	—	—	—	—	—
Vermont	16,118	31%	21%	9%	13%	28%	2%
Virgin Islands	—	—	—	—	—	—	—
Virginia	180,909	—	—	—	—	—	—
Washington	157,610	—	—	—	—	—	—
West Virginia	43,902	—	—	—	—	100%	—
Wisconsin	133,956	44%	19%	17%	8%	3%	10%
Wyoming	14,251	18%	29%	20%	14%	10%	3%
NATION	7,456,923	40%	19%	11%	13%	27%	#

— Data not available. Percentages may sum over 100%, indicating students reported for more than one subject.

In some states data from self-contained classrooms are not included in the totals. # Too few states reporting to impute national percent. Minnesota: data source grade range 7-9 not included; Ohio: Cleveland not included; Tennessee: 00-01 data; Vermont: data includes imputation.

Source: State Departments of Education, Data on Public Schools, 2001-02; NCES, CCD Fall Membership 2001. Council of Chief State School Officers, State Services and Technical Assistance, Washington, DC, 2003.

Table 1.5
High School Biology and Chemistry Course Enrollments as a Percent of Students in Grades
9-12, 2002

State	Student Membership (Grades 9-12)	Biology					Chemistry				
		Biology 1st Year	Biology 1st Year Applied	Biology 2nd Year AP	Biology 2nd Year Advanced	Biology 2nd Year Other	Chemistry 1st Year	Chemistry 1st Year Applied	Chemistry 2nd Year AP	Chemistry 2nd Year Advanced	
Alabama	201,610	—	—	—	—	—	—	—	—	—	
Alaska	39,461	—	—	—	—	—	—	—	—	—	
Arizona	249,920	—	—	—	—	—	—	—	—	—	
Arkansas	131,418	27%	1%	0.5%	2%	1%	16%	—	1%	—	
California	1,745,295	15%	2%	1%	3%	0.1%	8%	0.1%	1%	0.5%	
Colorado	212,989	—	—	—	—	—	—	—	—	—	
Connecticut	160,211	15%	11%	1%	4%	5%	12%	5%	1%	0.4%	
Delaware	34,281	—	—	—	—	—	—	—	—	—	
District of Columbia	13,530	31%	—	2%	3%	—	18%	—	0.2%	1%	
DoDEA	17,920	27%	—	2%	1%	0%	20%	0%	1%	0.03%	
Florida	703,064	21%	0.2%	1%	4%	1%	10%	—	0.4%	0.4%	
Georgia	395,439	—	—	—	—	—	—	—	—	—	
Guam	8,859	—	—	—	—	—	—	—	—	—	
Hawaii	52,613	—	—	—	—	—	—	—	—	—	
Idaho	75,098	26%	1%	1%	2%	1%	9%	—	0.2%	—	
Illinois	585,396	—	—	—	—	—	—	—	—	—	
Indiana	282,531	23%	2%	1%	3%	3%	13%	—	1%	1%	
Iowa	153,856	28%	0.3%	1%	8%	2%	17%	1%	1%	1%	
Kansas	143,570	—	—	—	—	—	—	—	—	—	
Kentucky	179,275	—	—	—	—	—	—	—	—	—	
Louisiana	193,536	25%	8%	0.3%	2%	1%	14%	—	0.2%	1%	
Maine	61,067	—	—	—	—	—	—	—	—	—	
Maryland	246,807	—	—	—	—	—	—	—	—	—	
Massachusetts	273,644	21%	3%	1%	3%	3%	15%	2%	1%	1%	
Michigan	497,159	17%	5%	1%	6%	1%	8%	2%	1%	2%	
Minnesota	278,356	20%	4%	2%	3%	2%	14%	—	2%	1%	
Mississippi	126,361	25%	—	1%	22%	2%	12%	—	0.2%	1%	
Missouri	265,810	20%	5%	—	12%	2%	11%	—	—	4%	
Montana	49,151	—	—	—	—	—	—	—	—	—	
Nebraska	90,442	26%	5%	—	13%	—	17%	—	—	—	
Nevada	94,323	16%	1%	1%	1%	2%	9%	0.1%	0.4%	0.3%	
New Hampshire	62,286	—	—	—	—	—	—	—	—	—	
New Jersey	349,406	—	—	—	—	—	—	—	—	—	
New Mexico	95,224	21%	0.2%	1%	4%	1%	7%	1%	0.5%	1%	
New York	790,657	30%	—	1%	1%	4%	16%	—	1%	1%	
North Carolina	359,398	25%	0%	1%	6%	0%	13%	—	1%	1%	
North Dakota	35,593	25%	2%	—	10%	2%	15%	—	—	1%	
Ohio	544,353	26%	—	1%	1%	—	13%	—	1%	0.4%	
Oklahoma	175,124	23%	0.4%	1%	9%	4%	9%	0.2%	1%	1%	
Oregon	169,117	6%	—	0.4%	1%	0.2%	2%	0.3%	0.1%	0.2%	
Pennsylvania	563,698	—	—	—	—	—	—	—	—	—	
Puerto Rico	159,891	—	—	—	—	—	—	—	—	—	
Rhode Island	45,263	—	—	—	—	—	—	—	—	—	
South Carolina	191,096	—	—	—	—	—	—	—	—	—	
South Dakota	40,479	24%	1%	1%	12%	2%	16%	1%	0.4%	1%	
Tennessee	250,392	24%	0%	1%	0%	2%	14%	—	0.3%	0.5%	
Texas	1,147,233	26%	—	1%	2%	0.03%	16%	—	1%	0.02%	
Utah	142,021	—	—	—	—	—	—	—	—	—	
Vermont	31,787	16%	3%	1%	3%	1%	10%	3%	1%	1%	
Virgin Islands	—	—	—	—	—	—	—	—	—	—	
Virginia	336,897	—	—	—	—	—	—	—	—	—	
Washington	312,943	—	—	—	—	—	—	—	—	—	
West Virginia	82,857	—	0.1%	1%	13%	2%	—	4%	1%	13%	
Wisconsin	287,557	27%	1%	1%	6%	—	13%	3%	1%	2%	
Wyoming	29,035	22%	2%	1%	3%	1%	11%	1%	1%	1%	
NATION	13,765,299	22%	3%	1%	4%	2%	12%	2%	1%	1%	

— Data not available. Minnesota: data source grade range 7-9 not included; Ohio: Cleveland not included; Oregon: partial data reported; Tennessee: 00-01 data; Vermont: data includes imputation.

Source: State Departments of Education, Data on Public Schools, 2001-02; NCES, CCD Fall Membership 2001. Council of Chief State School Officers, State Services and Technical Assistance, Washington, DC, 2003.

Table 1.6
High School Physics and Earth Science Course Enrollments as a Percent of Students in
Grades 9-12, 2002

State	Student Membership (Grades 9-12)	Physics				Earth Science		
		Physics 1st Year	Physics 1st Year Applied	Physics 2nd Year AP	Physics 2nd Year Advanced	Earth Science 1st Year	Earth Science 1st Year Applied	Earth Science 2nd Year
Alabama	201,610	—	—	—	—	—	—	—
Alaska	39,461	—	—	—	—	—	—	—
Arizona	249,920	—	—	—	—	—	—	—
Arkansas	131,418	4%	2%	1%	1%	3%	—	0%
California	1,745,295	3%	0.3%	1%	0.3%	2%	—	1%
Colorado	212,989	—	—	—	—	—	—	—
Connecticut	160,211	5%	2%	1%	0.2%	8%	1%	2%
Delaware	34,281	—	—	—	—	—	—	—
District of Columbia	13,530	6%	—	0.4%	—	4%	—	1%
DoDEA	17,920	12%	—	1%	0.01%	1%	6%	0.1%
Florida	703,064	4%	—	0.3%	0.1%	11%	—	5%
Georgia	395,439	—	—	—	—	—	—	—
Guam	8,859	—	—	—	—	—	—	—
Hawaii	52,613	—	—	—	—	—	—	—
Idaho	75,098	3%	—	0.4%	—	13%	—	1%
Illinois	585,396	—	—	—	—	—	—	—
Indiana	282,531	5%	—	1%	0.3%	8%	2%	1%
Iowa	153,856	7%	—	0.2%	1%	8%	—	2%
Kansas	143,570	—	—	—	—	—	—	—
Kentucky	179,275	—	—	—	—	—	—	—
Louisiana	193,536	4%	1%	0.2%	0.1%	2%	—	0.1%
Maine	61,067	—	—	—	—	—	—	—
Maryland	246,807	—	—	—	—	—	—	—
Massachusetts	273,644	8%	2%	1%	1%	6%	1%	1%
Michigan	497,159	4%	1%	0.4%	1%	5%	1%	1%
Minnesota	278,356	6%	—	0.4%	1%	3%	—	0.4%
Mississippi	126,361	3%	—	0.1%	0.1%	0.04%	—	2%
Missouri	265,810	3%	—	—	2%	3%	—	1%
Montana	49,151	—	—	—	—	—	—	—
Nebraska	90,442	8%	0.1%	—	—	10%	—	—
Nevada	94,323	3%	0.3%	0.2%	0.1%	8%	0.1%	2%
New Hampshire	62,286	—	—	—	—	—	—	—
New Jersey	349,406	—	—	—	—	—	—	—
New Mexico	95,224	2%	—	0.3%	0.3%	1%	—	2%
New York	790,657	6%	—	1%	1%	20%	—	2%
North Carolina	359,398	3%	—	0.2%	0.1%	16%	—	2%
North Dakota	35,593	5%	0.2%	—	—	0.2%	—	1%
Ohio	544,353	6%	—	0.5%	0.2%	6%	—	0.1%
Oklahoma	175,124	2%	0.1%	1%	0.02%	3%	—	0.1%
Oregon	169,117	1%	—	0.1%	0.3%	6%	—	0.4%
Pennsylvania	563,698	—	—	—	—	—	—	—
Puerto Rico	159,891	—	—	—	—	—	—	—
Rhode Island	45,263	—	—	—	—	—	—	—
South Carolina	191,096	—	—	—	—	—	—	—
South Dakota	40,479	5%	0.4%	0.3%	0.4%	4%	—	2%
Tennessee	250,392	3%	—	0.3%	0.04%	2%	—	0%
Texas	1,147,233	6%	—	1%	0.01%	0.03%	—	2%
Utah	142,021	—	—	—	—	—	—	—
Vermont	31,787	6%	1%	0.5%	1%	8%	1%	1%
Virgin Islands	—	—	—	—	—	—	—	—
Virginia	336,897	—	—	—	—	—	—	—
Washington	312,943	—	—	—	—	—	—	—
West Virginia	82,857	—	2%	0.3%	4%	0.3%	—	6%
Wisconsin	287,557	5%	2%	1%	1%	5%	—	2%
Wyoming	29,035	4%	1%	0.4%	0.4%	8%	0.2%	0.1%
NATION	13,765,299	5%	1%	1%	0.5%	6%	#	2%

— Data not available. # Too few states reporting to impute national percent.

Minnesota: data source grade range 7-9 not included; Ohio: Cleveland not included; Oregon: partial data reported; Tennessee: 00-01 data; Vermont: data includes imputation.

Source: State Departments of Education, Data on Public Schools, 2001-02; NCES, CCD Fall Membership 2001.

Council of Chief State School Officers, State Services and Technical Assistance, Washington, DC, 2003.

Table 1.7**High School General, Physical, Integrated/Coordinated, Environmental, Technology, and Other Science Course Enrollments as a Percent of Students in Grades 9-12, 2002**

State	Student Membership (Grades 9-12)	General Science	Physical Science	Integrated/Coordinated Science	Environmental Science	Technology	Other Science
Alabama	201,610	—	—	—	—	—	—
Alaska	39,461	—	—	—	—	—	—
Arizona	249,920	—	—	—	—	—	—
Arkansas	131,418	2%	27%	—	1%	0%	6%
California	1,745,295	2%	6%	8%	1%	0%	2%
Colorado	212,989	—	—	—	—	—	—
Connecticut	160,211	8%	7%	4%	2%	0.2%	1%
Delaware	34,281	—	—	—	—	—	—
District of Columbia	13,530	1%	0.1%	—	11%	1%	2%
DoDEA	17,920	0.1%	—	3%	4%	0%	15%
Florida	703,064	0.002%	5%	5%	4%	0.3%	0.1%
Georgia	395,439	—	—	—	—	—	—
Guam	8,859	—	—	—	—	—	—
Hawaii	52,613	—	—	—	—	—	—
Idaho	75,098	1%	10%	1%	2%	—	—
Illinois	585,396	—	—	—	—	—	—
Indiana	282,531	—	6%	1%	2%	—	0.1%
Iowa	153,856	—	15%	7%	4%	1%	1%
Kansas	143,570	—	—	—	—	—	—
Kentucky	179,275	—	—	—	—	—	—
Louisiana	193,536	1%	0.4%	2%	8%	0%	—
Maine	61,067	—	—	—	—	—	—
Maryland	246,807	—	—	—	—	—	—
Massachusetts	273,644	2%	10%	7%	4%	7%	1%
Michigan	497,159	3%	5%	4%	1%	0.3%	4%
Minnesota	278,356	—	15%	1%	3%	—	0.2%
Mississippi	126,361	—	13%	—	5%	—	4%
Missouri	265,810	3%	20%	—	3%	0%	3%
Montana	49,151	—	—	—	—	—	—
Nebraska	90,442	6%	13%	—	—	0.3%	3%
Nevada	94,323	5%	1%	7%	1%	0.05%	0.5%
New Hampshire	62,286	—	—	—	—	—	—
New Jersey	349,406	—	—	—	—	—	—
New Mexico	95,224	3%	13%	2%	2%	1%	2%
New York	790,657	—	—	1%	4%	0.4%	8%
North Carolina	359,398	—	12%	—	6%	—	2%
North Dakota	35,593	1%	27%	—	—	0.1%	—
Ohio	544,353	0.02%	8%	15%	0.03%	0.1%	3%
Oklahoma	175,124	1%	19%	—	4%	0.1%	6%
Oregon	169,117	—	7%	3%	0.5%	1%	3%
Pennsylvania	563,698	—	—	—	—	—	—
Puerto Rico	159,891	—	—	—	—	—	—
Rhode Island	45,263	—	—	—	—	—	—
South Carolina	191,096	—	—	—	—	—	—
South Dakota	40,479	4%	19%	—	—	—	—
Tennessee	250,392	1%	24%	—	2%	1%	0%
Texas	1,147,233	—	0.001%	22%	2%	0.3%	0.2%
Utah	142,021	—	—	—	—	—	—
Vermont	31,787	2%	5%	5%	4%	1%	4%
Virgin Islands	—	—	—	—	—	—	—
Virginia	336,897	—	—	—	—	—	—
Washington	312,943	—	—	—	—	—	—
West Virginia	82,857	—	—	76%	1%	2%	1%
Wisconsin	287,557	4%	13%	6%	4%	0.5%	5%
Wyoming	29,035	3%	12%	2%	4%	1%	5%
NATION	13,765,299	2%	9%	11%	3%	1%	2%

— Data not available. Minnesota: data source grade range 7-9 not included; Ohio: Cleveland not included; Oregon: partial data reported; Tennessee: 00-01 data; Vermont: data includes imputation.

Source: State Departments of Education, Data on Public Schools, 2001-02; NCES, CCD Fall Membership 2001. Council of Chief State School Officers, State Services and Technical Assistance, Washington, DC, 2003.

**Detailed State-Level Data on State Science-Mathematics Indicators
from the 2001-02 School Year**

**Section II
Teachers Assigned to Science and Math, 7-8, 9-12**

Table 2.1**Mathematics Teachers in Grades 9-12 by Time Assigned by Certification Status, 2002**

	Mathematics Assignment			Certification			
	Total Math Teachers	Main %	2nd or 3rd %	Main Assignment % Certified	2nd or 3rd Assignment % Not Certified	2nd or 3rd Assignment % Certified	% Not Certified
Alabama	—	—	—	—	—	—	—
Alaska	276	78%	22%	58%	19%	5%	17%
Arizona	—	—	—	—	—	—	—
Arkansas	1,412	—	—	—	—	—	—
California	11,924	87%	13%	80%	7%	5%	8%
Colorado	1,768	96%	4%	—	—	—	—
Connecticut	1,519	97%	3%	93%	3%	3%	1%
Delaware	277	99%	1%	70%	19%	0%	0%
District of Columbia	272	100%	0%	—	—	—	—
DoDEA	—	—	—	—	—	—	—
Florida	7,752	59%	41%	—	—	—	—
Georgia	3,200	97%	3%	89%	8%	1%	3%
Guam	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—
Idaho	843	46%	54%	44%	2%	50%	4%
Illinois	4,540	96%	4%	64%	32%	1%	3%
Indiana	2,534	89%	11%	86%	3%	8%	3%
Iowa	1,412	—	—	—	—	—	—
Kansas	1,541	—	—	0%	0%	99%	1%
Kentucky	1,890	—	—	—	—	—	—
Louisiana	1,235	92%	8%	75%	17%	5%	3%
Maine	752	92%	8%	87%	5%	5%	3%
Maryland	—	—	—	—	—	—	—
Massachusetts	3,303	90%	10%	78%	12%	4%	6%
Michigan	—	—	—	—	—	—	—
Minnesota	2,118	86%	14%	85%	1%	13%	1%
Mississippi	1,233	99%	1%	94%	6%	1%	0.2%
Missouri	2,388	86%	14%	83%	3%	9%	4%
Montana	—	—	—	—	—	—	—
Nebraska	1,205	87%	13%	83%	4%	8%	5%
Nevada	871	98%	2%	96%	2%	1%	1%
New Hampshire	602	—	—	—	—	—	—
New Jersey	—	—	—	—	—	—	—
New Mexico	844	71%	29%	66%	1%	31%	2%
New York	10,832	80%	20%	72%	8%	16%	4%
North Carolina	4,004	31%	69%	58%	11%	17%	14%
North Dakota	444	76%	24%	76%	0%	24%	0%
Ohio	4,180	92%	8%	92%	0.5%	7%	0.05%
Oklahoma	2,098	93%	7%	92%	0.1%	7%	0.1%
Oregon	—	—	—	—	—	—	—
Pennsylvania	—	—	—	—	—	—	—
Puerto Rico	—	—	—	—	—	—	—
Rhode Island	—	—	—	—	—	—	—
South Carolina	—	—	—	—	—	—	—
South Dakota	461	70%	30%	70%	1%	29%	1%
Tennessee	1,797	76%	24%	70%	6%	19%	5%
Texas	26,339	33%	67%	25%	8%	40%	27%
Utah	702	86%	14%	80%	6%	10%	4%
Vermont	342	89%	11%	82%	7%	8%	3%
Virgin Islands	—	—	—	—	—	—	—
Virginia	—	—	—	—	—	—	—
Washington	—	—	—	—	—	—	—
West Virginia	1,081	100%	0%	—	—	—	—
Wisconsin	2,410	95%	5%	95%	—	6%	—
Wyoming	269	90%	10%	90%	0.4%	9%	0.4%
NATION	148,290	71%	29%	62%	9%	17%	12%

— Data not available. Main Assignment = Half time or more assigned to subject; 2nd or 3rd Assignment = Less than half time assigned to subject. Alaska: partial data; Kansas: Less than 50% category = all teaching assignments; Minnesota: data source grade range 7-9 not included; Ohio: Cleveland not included; Oklahoma: Gen. Sec. = alternative schools; Tennessee: 00-01 data; Vermont: data includes imputation. National totals include imputation for nonreporting states.

Note: Several state percentages include teachers with general secondary certification: Alaska - 14; California - 277; Connecticut - 19; Kansas - 70; New Mexico - 214; Oklahoma - 18; South Dakota - 25; Vermont - 52.

Source: State Departments of Education, Data on Public Schools, 2001-02.

Council of Chief State School Officers, State Services and Technical Assistance, Washington, DC, 2003.

Table 2.2**Biology Teachers in Grades 9-12 by Time Assigned by Certification Status, 2002**

State	Biology Assignment			Certification					
	Total Biology Teachers	Main %	2nd or 3rd %	% Certified	% Certified Broad Field	% Not Certified	% Certified	% Certified Broad Field	% Not Certified
Alabama	—	—	—	—	—	—	—	—	—
Alaska	81	78%	22%	44%	16%	17%	14%	5%	4%
Arizona	—	—	—	—	—	—	—	—	—
Arkansas	580	—	—	—	—	—	—	—	—
California	4,214	67%	33%	0%	61%	6%	0%	26%	7%
Colorado	1,643	97%	3%	—	—	—	—	—	—
Connecticut	738	86%	14%	83%	0.3%	3%	13%	0%	1%
Delaware	67	100%	0%	72%	0%	33%	0%	0%	0%
District of Columbia	89	100%	0%	—	—	—	—	—	—
DoDEA	—	—	—	—	—	—	—	—	—
Florida	2,742	39%	61%	—	—	—	—	—	—
Georgia	1,318	89%	11%	36%	48%	6%	2%	7%	3%
Guam	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—
Idaho	319	54%	46%	54%	0%	0.3%	46%	0%	0%
Illinois	1,513	98%	2%	63%	0%	35%	1%	0%	1%
Indiana	1,141	76%	24%	73%	1%	2%	20%	2%	1%
Iowa	645	—	—	—	—	—	—	—	—
Kansas	653	—	—	10%	86%	3%	0%	0%	0%
Kentucky	773	—	—	—	—	—	—	—	—
Louisiana	520	78%	22%	69%	0%	9%	15%	0%	7%
Maine	361	74%	26%	71%	0%	3%	22%	0%	4%
Maryland	—	—	—	—	—	—	—	—	—
Massachusetts	1,214	78%	22%	70%	4%	4%	13%	2%	6%
Michigan	—	—	—	—	—	—	—	—	—
Minnesota	939	73%	27%	53%	18%	1%	16%	9%	2%
Mississippi	779	100%	0.4%	95%	0%	5%	0.4%	0%	0%
Missouri	1,349	70%	30%	66%	0%	4%	26%	0%	4%
Montana	—	—	—	—	—	—	—	—	—
Nebraska	554	63%	37%	58%	0%	4%	31%	0%	6%
Nevada	308	90%	10%	13%	75%	2%	1%	8%	1%
New Hampshire	335	—	—	—	—	—	—	—	—
New Jersey	—	—	—	—	—	—	—	—	—
New Mexico	384	52%	48%	0%	52%	1%	0%	46%	1%
New York	4,356	72%	28%	62%	0%	9%	21%	0%	8%
North Carolina	1,419	39%	61%	21%	32%	8%	8%	17%	14%
North Dakota	267	40%	60%	33%	7%	0%	42%	18%	0%
Ohio	1,659	66%	34%	58%	6%	3%	23%	6%	5%
Oklahoma	1,128	70%	30%	70%	0.1%	0.1%	29%	1%	0.4%
Oregon	—	—	—	—	—	—	—	—	—
Pennsylvania	—	—	—	—	—	—	—	—	—
Puerto Rico	—	—	—	—	—	—	—	—	—
Rhode Island	—	—	—	—	—	—	—	—	—
South Carolina	—	—	—	—	—	—	—	—	—
South Dakota	271	32%	68%	25%	7%	0.4%	37%	30%	2%
Tennessee	688	59%	41%	55%	0%	3%	38%	0%	4%
Texas	6,291	45%	55%	36%	0%	9%	32%	0%	23%
Utah	334	71%	29%	66%	0%	5%	24%	0%	6%
Vermont	148	73%	27%	25%	45%	3%	1%	24%	2%
Virgin Islands	—	—	—	—	—	—	—	—	—
Virginia	—	—	—	—	—	—	—	—	—
Washington	—	—	—	—	—	—	—	—	—
West Virginia	237	100%	0%	—	—	—	—	—	—
Wisconsin	1,087	86%	14%	86%	—	—	14%	—	—
Wyoming	117	70%	30%	66%	4%	0%	26%	4%	0%
NATION	54,178	65%	35%	47%	11%	8%	18%	8%	9%

— Data not available. Main Assignment = Half time or more assigned to subject; 2nd or 3rd Assignment = Less than half time assigned to subject. Alaska: partial data; Colorado: Biology = all science; Kansas: 50% or more category = all teaching assignments; Minnesota: data source grade range 7-9 not included; Ohio: Cleveland not included; Oklahoma: Gen. Sec. = alternative schools; Tennessee: 00-01 data; Vermont: data includes imputation. National totals include imputation for nonreporting states.

Note: General secondary certification included in broad field category: Alaska - 1; California - 85; Connecticut - 2; New Mexico - 28; Ohio - 47; Oklahoma - 8; South Dakota - 7; Vermont - 27.

Source: State Departments of Education, Data on Public Schools, 2001-02.

Council of Chief State School Officers, State Services and Technical Assistance, Washington, DC, 2003.

Table 2.3
Chemistry Teachers in Grades 9-12 by Time Assigned by Certification Status, 2002

	Chemistry Assignment			Certification					
	Total Chemistry Teachers	Main %	2nd or 3rd %	% Certified	% Certified Broad Field	% Not Certified	% Certified	% Certified Broad Field	% Not Certified
Alabama	—	—	—	—	—	—	—	—	—
Alaska	26	42%	58%	12%	8%	23%	12%	12%	35%
Arizona	—	—	—	—	—	—	—	—	—
Arkansas	224	—	—	—	—	—	—	—	—
California	1,997	65%	35%	0%	56%	9%	0%	28%	7%
Colorado	—	—	—	—	—	—	—	—	—
Connecticut	405	84%	16%	79%	0.2%	4%	14%	0.2%	2%
Delaware	41	100%	0%	78%	0%	37%	0%	0%	0%
District of Columbia	44	100%	0%	—	—	—	—	—	—
DoDEA	—	—	—	—	—	—	—	—	—
Florida	918	49%	51%	—	—	—	—	—	—
Georgia	—	—	—	—	—	—	—	—	—
Guam	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—
Idaho	139	32%	68%	32%	0%	0%	68%	0%	0%
Illinois	863	99%	1%	60%	0%	40%	0.1%	0%	1%
Indiana	632	72%	28%	70%	1%	1%	25%	2%	1%
Iowa	438	—	—	—	—	—	—	—	—
Kansas	446	—	—	95%	2%	3%	0%	0%	0%
Kentucky	475	—	—	—	—	—	—	—	—
Louisiana	199	69%	31%	57%	0%	13%	18%	0%	13%
Maine	232	63%	38%	59%	0%	3%	32%	0%	5%
Maryland	—	—	—	—	—	—	—	—	—
Massachusetts	756	79%	21%	69%	5%	5%	9%	7%	5%
Michigan	—	—	—	—	—	—	—	—	—
Minnesota	550	54%	46%	44%	9%	2%	29%	12%	4%
Mississippi	315	99%	1%	91%	0%	9%	0.3%	0%	0.3%
Missouri	665	49%	51%	46%	0%	3%	45%	0%	6%
Montana	—	—	—	—	—	—	—	—	—
Nebraska	339	35%	65%	29%	0%	6%	47%	0%	18%
Nevada	124	81%	19%	25%	48%	8%	7%	11%	0%
New Hampshire	90	—	—	—	—	—	—	—	—
New Jersey	—	—	—	—	—	—	—	—	—
New Mexico	157	31%	69%	0%	31%	0%	0%	66%	3%
New York	2,228	74%	26%	64%	0%	10%	16%	0%	9%
North Carolina	651	39%	61%	15%	38%	8%	7%	22%	11%
North Dakota	181	14%	86%	7%	8%	0%	30%	55%	0%
Ohio	949	63%	37%	44%	18%	1%	21%	14%	1%
Oklahoma	515	36%	64%	36%	0%	0%	63%	0.2%	1%
Oregon	—	—	—	—	—	—	—	—	—
Pennsylvania	—	—	—	—	—	—	—	—	—
Puerto Rico	—	—	—	—	—	—	—	—	—
Rhode Island	—	—	—	—	—	—	—	—	—
South Carolina	—	—	—	—	—	—	—	—	—
South Dakota	175	19%	81%	13%	6%	1%	25%	54%	1%
Tennessee	412	61%	39%	57%	0%	4%	27%	0%	12%
Texas	3,312	49%	51%	40%	0%	9%	34%	0%	18%
Utah	187	71%	29%	65%	0%	6%	26%	0%	4%
Vermont	108	60%	40%	13%	44%	4%	3%	34%	3%
Virgin Islands	—	—	—	—	—	—	—	—	—
Virginia	—	—	—	—	—	—	—	—	—
Washington	—	—	—	—	—	—	—	—	—
West Virginia	161	100%	0%	—	—	—	—	—	—
Wisconsin	618	70%	30%	70%	—	—	30%	—	—
Wyoming	65	48%	52%	38%	9%	0%	42%	11%	0%
NATION	28,011	62%	38%	48%	5%	9%	22%	7%	9%

— Data not available. Main Assignment = Half time or more assigned to subject; 2nd or 3rd Assignment = Less than half time assigned to subject. Alaska: partial data; Kansas: 50% or more category = all teaching assignments; Minnesota: data source grade range 7-9 not included; Ohio: Cleveland not included; Oklahoma: Gen. Sec. = alternative schools; Vermont: data includes imputation. National totals include imputation for nonreporting states.

Note: General secondary certification included in broad field category: California - 32; Connecticut - 2; New Mexico - 10; Ohio - 18; Oklahoma - 1; South Dakota - 2; Vermont - 19.

Source: State Departments of Education, Data on Public Schools, 2001-02.

Council of Chief State School Officers, State Services and Technical Assistance, Washington, DC, 2003.

Table 2.4**Physics Teachers in Grades 9-12 by Time Assigned by Certification Status, 2002**

	Physics Assignment			Certification					
	Total Physics Teachers	Main %	2nd or 3rd %	% Certified	% Certified Broad Field	% Not Certified	% Certified	% Certified Broad Field	% Not Certified
Alabama	—	—	—	—	—	—	—	—	—
Alaska	16	25%	75%	6%	0%	19%	6%	50%	19%
Arizona	—	—	—	—	—	—	—	—	—
Arkansas	96	—	—	—	—	—	—	—	—
California	1,264	48%	52%	0%	43%	5%	0%	43%	9%
Colorado	—	—	—	—	—	—	—	—	—
Connecticut	220	77%	23%	74%	1%	3%	18%	0%	5%
Delaware	33	100%	0%	42%	0%	52%	0%	0%	0%
District of Columbia	24	100%	0%	—	—	—	—	—	—
DoDEA	—	—	—	—	—	—	—	—	—
Florida	451	44%	56%	—	—	—	—	—	—
Georgia	—	—	—	—	—	—	—	—	—
Guam	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—
Idaho	108	10%	90%	9%	0%	1%	71%	0%	19%
Illinois	420	99%	1%	64%	0%	35%	0%	0%	1%
Indiana	390	39%	61%	36%	2%	1%	50%	9%	3%
Iowa	353	—	—	—	—	—	—	—	—
Kansas	325	—	—	91%	2%	7%	0%	0%	0%
Kentucky	296	—	—	—	—	—	—	—	—
Louisiana	87	52%	48%	38%	0%	14%	25%	0%	23%
Maine	180	61%	39%	58%	0%	3%	33%	0%	6%
Maryland	—	—	—	—	—	—	—	—	—
Massachusetts	499	74%	26%	59%	10%	6%	13%	8%	5%
Michigan	—	—	—	—	—	—	—	—	—
Minnesota	345	37%	63%	30%	5%	1%	48%	11%	4%
Mississippi	215	98%	2%	66%	0%	33%	2%	0%	0%
Missouri	415	21%	79%	20%	0%	1%	64%	0%	15%
Montana	—	—	—	—	—	—	—	—	—
Nebraska	277	19%	81%	16%	0%	4%	52%	0%	29%
Nevada	79	75%	25%	20%	52%	3%	3%	22%	1%
New Hampshire	47	—	—	—	—	—	—	—	—
New Jersey	—	—	—	—	—	—	—	—	—
New Mexico	81	14%	86%	0%	14%	0%	0%	85%	1%
New York	1,309	64%	36%	56%	0%	8%	20%	0%	16%
North Carolina	347	78%	22%	5%	14%	4%	11%	48%	20%
North Dakota	114	9%	91%	4%	5%	0%	8%	83%	0%
Ohio	686	40%	60%	22%	17%	0.3%	28%	32%	1%
Oklahoma	230	16%	84%	16%	0%	0%	81%	0%	3%
Oregon	—	—	—	—	—	—	—	—	—
Pennsylvania	—	—	—	—	—	—	—	—	—
Puerto Rico	—	—	—	—	—	—	—	—	—
Rhode Island	—	—	—	—	—	—	—	—	—
South Carolina	—	—	—	—	—	—	—	—	—
South Dakota	124	9%	91%	2%	7%	0%	18%	70%	3%
Tennessee	233	11%	89%	9%	0%	2%	60%	0%	30%
Texas	1,938	33%	67%	18%	0%	15%	35%	0%	32%
Utah	129	50%	50%	47%	0%	3%	42%	0%	9%
Vermont	70	57%	43%	13%	43%	1%	1%	37%	4%
Virgin Islands	—	—	—	—	—	—	—	—	—
Virginia	—	—	—	—	—	—	—	—	—
Washington	—	—	—	—	—	—	—	—	—
West Virginia	115	100%	0%	—	—	—	—	—	—
Wisconsin	388	45%	55%	45%	—	—	55%	—	—
Wyoming	41	27%	73%	22%	5%	0%	39%	34%	0%
NATION	17,006	48%	52%	33%	6%	9%	27%	9%	16%

— Data not available. Main Assignment = Half time or more assigned to subject; 2nd or 3rd Assignment = Less than half time assigned to subject. Alaska: partial data; Kansas: 50% or more category = all teaching assignments; Minnesota: data source grade range 7-9 not included; Ohio: Cleveland not included; Oklahoma: Gen. Sec. = alternative schools; Vermont: data includes imputation. National totals include imputation for nonreporting states.

Note: General secondary certification included in broad field category: California - 18; Connecticut - 2; New Mexico - 3; Ohio - 28; South Dakota - 10; Vermont - 16.

Source: State Departments of Education, Data on Public Schools, 2001-02.

Council of Chief State School Officers, State Services and Technical Assistance, Washington, DC, 2003.

Table 2.5**Earth Science Teachers in Grades 9-12 by Time Assigned by Certification Status, 2002**

State	Earth Science Assignment			Certification					
	Total Earth Science Teachers	Main %	2nd or 3rd %	% Certified	% Certified Broad Field	% Not Certified	% Certified	% Certified Broad Field	% Not Certified
Alabama	—	—	—	—	—	—	—	—	—
Alaska	30	47%	53%	3%	10%	33%	0%	37%	17%
Arizona	—	—	—	—	—	—	—	—	—
Arkansas	20	—	—	—	—	—	—	—	—
California	767	42%	58%	0%	27%	15%	0%	36%	22%
Colorado	—	—	—	—	—	—	—	—	—
Connecticut	187	79%	21%	74%	1%	5%	16%	0%	5%
Delaware	15	100%	0%	60%	0%	40%	0%	0%	0%
District of Columbia	49	100%	0%	—	—	—	—	—	—
DoDEA	—	—	—	—	—	—	—	—	—
Florida	2,029	22%	78%	—	—	—	—	—	—
Georgia	—	—	—	—	—	—	—	—	—
Guam	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—
Idaho	161	36%	64%	35%	0%	1%	60%	0%	4%
Illinois	205	97%	3%	41%	0%	56%	1%	0%	2%
Indiana	425	65%	35%	52%	11%	3%	18%	12%	4%
Iowa	170	—	—	—	—	—	—	—	—
Kansas	61	—	—	82%	8%	10%	0%	0%	0%
Kentucky	317	—	—	—	—	—	—	—	—
Louisiana	22	64%	36%	41%	0%	23%	9%	0%	27%
Maine	149	51%	49%	49%	0%	2%	42%	0%	7%
Maryland	—	—	—	—	—	—	—	—	—
Massachusetts	274	78%	22%	56%	19%	3%	5%	11%	5%
Michigan	—	—	—	—	—	—	—	—	—
Minnesota	166	42%	58%	19%	16%	7%	22%	25%	12%
Mississippi	339	99%	1%	89%	0%	10%	0.3%	0%	0.3%
Missouri	196	37%	63%	36%	0%	1%	51%	0%	13%
Montana	—	—	—	—	—	—	—	—	—
Nebraska	243	26%	74%	21%	0%	5%	45%	0%	29%
Nevada	114	82%	18%	18%	48%	16%	1%	15%	2%
New Hampshire	40	—	—	—	—	—	—	—	—
New Jersey	—	—	—	—	—	—	—	—	—
New Mexico	81	35%	65%	0%	35%	0%	0%	60%	5%
New York	2,840	68%	32%	55%	0%	13%	16%	0%	16%
North Carolina	919	56%	44%	7%	27%	10%	10%	26%	20%
North Dakota	19	16%	84%	5%	11%	0%	16%	68%	0%
Ohio	424	48%	52%	28%	17%	3%	12%	31%	9%
Oklahoma	118	34%	66%	34%	0%	0%	61%	1%	4%
Oregon	—	—	—	—	—	—	—	—	—
Pennsylvania	—	—	—	—	—	—	—	—	—
Puerto Rico	—	—	—	—	—	—	—	—	—
Rhode Island	—	—	—	—	—	—	—	—	—
South Carolina	—	—	—	—	—	—	—	—	—
South Dakota	45	4%	96%	0%	4%	0%	9%	80%	7%
Tennessee	107	19%	81%	16%	0%	3%	64%	0%	17%
Texas	659	22%	78%	0.3%	0%	22%	0%	0%	78%
Utah	104	40%	60%	33%	0%	8%	25%	0%	35%
Vermont	70	63%	37%	9%	53%	1%	4%	33%	0%
Virgin Islands	—	—	—	—	—	—	—	—	—
Virginia	—	—	—	—	—	—	—	—	—
Washington	—	—	—	—	—	—	—	—	—
West Virginia	171	100%	0%	—	—	—	—	—	—
Wisconsin	145	61%	39%	60%	—	—	43%	—	—
Wyoming	34	53%	47%	29%	24%	0%	18%	29%	0%
NATION	17,429	54%	46%	32%	11%	10%	13%	16%	17%

— Data not available. Main Assignment = Half time or more assigned to subject; 2nd or 3rd Assignment = Less than half time assigned to subject. Alaska: partial data; Kansas: 50% or more category = all teaching assignments; Minnesota: data source grade range 7-9 not included; Ohio: Cleveland not included; Oklahoma: Gen. Sec. = alternative schools; Vermont: data includes imputation. National totals include imputation for nonreporting states.

Note: General secondary certification included in broad field category: Alaska - 1; California - 24; Connecticut - 1; New Mexico - 11; Ohio - 54; Oklahoma - 1; South Dakota - 1; Vermont - 16; Wyoming - 1.

Source: State Departments of Education, Data on Public Schools, 2001-02.

Council of Chief State School Officers, State Services and Technical Assistance, Washington, DC, 2003.

Table 2.6

General Science Teachers in Grades 9-12 by Time Assigned by Certification Status, 2002

State	General Science Assignment			Certification					
	Total General Science Teachers	Main %	2nd or 3rd %	% Certified	% Certified Broad Field	% Not Certified	% Certified	% Certified Broad Field	% Not Certified
Alabama	—	—	—	—	—	—	—	—	—
Alaska	86	81%	19%	41%	1%	40%	7%	0%	12%
Arizona	—	—	—	—	—	—	—	—	—
Arkansas	97	—	—	—	—	—	—	—	—
California	510	48%	52%	0%	40%	8%	0%	39%	13%
Colorado	—	—	—	—	—	—	—	—	—
Connecticut	321	63%	37%	53%	4%	6%	30%	3%	5%
Delaware	116	100%	0%	7%	0%	93%	0%	0%	0%
District of Columbia	—	—	—	—	—	—	—	—	—
DoDEA	—	—	—	—	—	—	—	—	—
Florida	—	—	—	—	—	—	—	—	—
Georgia	—	—	—	—	—	—	—	—	—
Guam	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—
Idaho	18	17%	83%	11%	0%	6%	72%	0%	11%
Illinois	630	94%	6%	57%	0%	37%	2%	0%	4%
Indiana	—	—	—	—	—	—	—	—	—
Iowa	—	—	—	—	—	—	—	—	—
Kansas	212	—	—	80%	13%	6%	0%	0%	0%
Kentucky	0	—	—	—	—	—	—	—	—
Louisiana	17	53%	47%	24%	0%	29%	18%	0%	29%
Maine	—	—	—	—	—	—	—	—	—
Maryland	—	—	—	—	—	—	—	—	—
Massachusetts	188	69%	31%	60%	5%	4%	17%	6%	8%
Michigan	—	—	—	—	—	—	—	—	—
Minnesota	—	—	—	—	—	—	—	—	—
Mississippi	—	—	—	—	—	—	—	—	—
Missouri	254	23%	77%	21%	0%	2%	35%	0%	34%
Montana	—	—	—	—	—	—	—	—	—
Nebraska	247	44%	56%	28%	0%	17%	28%	0%	28%
Nevada	177	84%	16%	7%	72%	5%	2%	14%	1%
New Hampshire	104	—	—	—	—	—	—	—	—
New Jersey	—	—	—	—	—	—	—	—	—
New Mexico	49	29%	71%	0%	27%	0%	0%	65%	6%
New York	—	—	—	—	—	—	—	—	—
North Carolina	—	—	—	—	—	—	—	—	—
North Dakota	9	0%	100%	0%	0%	0%	0%	100%	0%
Ohio	57	40%	60%	0%	39%	2%	5%	46%	9%
Oklahoma	32	53%	47%	53%	0%	0%	47%	0%	0%
Oregon	—	—	—	—	—	—	—	—	—
Pennsylvania	—	—	—	—	—	—	—	—	—
Puerto Rico	—	—	—	—	—	—	—	—	—
Rhode Island	—	—	—	—	—	—	—	—	—
South Carolina	—	—	—	—	—	—	—	—	—
South Dakota	41	12%	88%	7%	5%	0%	39%	49%	0%
Tennessee	—	—	—	—	—	—	—	—	—
Texas	—	—	—	—	—	—	—	—	—
Utah	0	—	—	—	—	—	—	—	—
Vermont	30	43%	57%	3%	40%	0%	10%	47%	0%
Virgin Islands	—	—	—	—	—	—	—	—	—
Virginia	—	—	—	—	—	—	—	—	—
Washington	—	—	—	—	—	—	—	—	—
West Virginia	—	—	—	—	—	—	—	—	—
Wisconsin	417	78%	22%	78%	—	—	22%	—	—
Wyoming	111	68%	32%	67%	1%	0%	32%	0%	0%
NATION#	9,679	65%	35%	40%	12%	15%	14%	10%	9%

— Data not available. Main Assignment = Half time or more assigned to subject; 2nd or 3rd Assignment = Less than half time assigned to subject. Alaska: partial data; Kansas: 50% or more category = all teaching assignments; Ohio: Cleveland not included; Oklahoma: Gen. Sec. = alternative schools; Vermont: data includes imputation.

Sum of reporting states, except total teachers includes imputation for nonreporting states.

Note: General secondary certification included in broad field category: California - 17; Connecticut - 24; New Mexico - 13; Ohio - 2; South Dakota - 1; Vermont - 5; Wyoming - 1.

Source: State Departments of Education, Data on Public Schools, 2001-02.

Council of Chief State School Officers, State Services and Technical Assistance, Washington, DC, 2003.

Table 2.7

Physical Science Teachers in Grades 9-12 by Time Assigned by Certification Status, 2002

State	Physical Science Assignment			Certification					
	Total Physical Science Teachers	Main %	2nd or 3rd %	% Certified	% Certified Broad Field	% Not Certified	% Certified	% Certified Broad Field	% Not Certified
Alabama	—	—	—	—	—	—	—	—	—
Alaska	41	59%	41%	5%	15%	39%	2%	17%	22%
Arizona	—	—	—	—	—	—	—	—	—
Arkansas	260	—	—	—	—	—	—	—	—
California	1,520	51%	49%	36%	9%	5%	30%	11%	8%
Colorado	—	—	—	—	—	—	—	—	—
Connecticut	89	60%	40%	0%	56%	3%	0%	35%	6%
Delaware	0	—	—	—	—	—	—	—	—
District of Columbia	—	—	—	—	—	—	—	—	—
DoDEA	—	—	—	—	—	—	—	—	—
Florida	1,002	10%	90%	—	—	—	—	—	—
Georgia	1,794	92%	8%	8%	67%	17%	0.2%	5%	5%
Guam	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—
Idaho	145	32%	68%	30%	0%	2%	63%	0%	6%
Illinois	276	99%	1%	53%	0%	46%	0.4%	0%	1%
Indiana	349	42%	58%	18%	22%	3%	18%	37%	3%
Iowa	366	—	—	—	—	—	—	—	—
Kansas	226	—	—	46%	46%	9%	0%	0%	0%
Kentucky	250	—	—	—	—	—	—	—	—
Louisiana	9	56%	44%	22%	0%	33%	33%	0%	11%
Maine	116	50%	50%	43%	0%	7%	46%	0%	4%
Maryland	—	—	—	—	—	—	—	—	—
Massachusetts	338	65%	35%	0%	60%	5%	0%	28%	7%
Michigan	—	—	—	—	—	—	—	—	—
Minnesota	555	57%	43%	24%	25%	8%	22%	16%	5%
Mississippi	359	99%	1%	63%	0%	37%	1%	0%	1%
Missouri	756	47%	53%	0%	44%	3%	0%	47%	6%
Montana	—	—	—	—	—	—	—	—	—
Nebraska	304	7%	93%	4%	0%	3%	59%	0%	35%
Nevada	37	62%	38%	0%	49%	14%	0%	38%	0%
New Hampshire	54	—	—	—	—	—	—	—	—
New Jersey	—	—	—	—	—	—	—	—	—
New Mexico	211	37%	63%	0%	37%	0%	0%	62%	1%
New York	—	—	—	—	—	—	—	—	—
North Carolina	750	61%	39%	0.3%	25%	13%	1%	33%	27%
North Dakota	223	25%	75%	2%	23%	0%	4%	71%	0%
Ohio	566	54%	46%	24%	27%	4%	17%	21%	8%
Oklahoma	646	47%	53%	47%	0.2%	0.2%	51%	1%	1%
Oregon	—	—	—	—	—	—	—	—	—
Pennsylvania	—	—	—	—	—	—	—	—	—
Puerto Rico	—	—	—	—	—	—	—	—	—
Rhode Island	—	—	—	—	—	—	—	—	—
South Carolina	—	—	—	—	—	—	—	—	—
South Dakota	182	18%	82%	2%	15%	1%	9%	67%	5%
Tennessee	709	43%	57%	39%	0%	4%	48%	0%	10%
Texas	1	0%	100%	0%	0%	0%	0%	0%	100%
Utah	0	—	—	—	—	—	—	—	—
Vermont	24	63%	38%	25%	38%	0%	17%	8%	13%
Virgin Islands	—	—	—	—	—	—	—	—	—
Virginia	—	—	—	—	—	—	—	—	—
Washington	—	—	—	—	—	—	—	—	—
West Virginia	—	—	—	—	—	—	—	—	—
Wisconsin	316	69%	31%	69%	—	—	32%	—	—
Wyoming	29	24%	76%	0%	24%	0%	0%	76%	0%
NATION#	17,788	55%	45%	23%	26%	9%	18%	17%	7%

— Data not available. Main Assignment = Half time or more assigned to subject; 2nd or 3rd Assignment = Less than half time assigned to subject. Alaska: partial data; Kansas: 50% or more category = all teaching assignments; Minnesota: data source grade range 7-9 not included; Ohio: Cleveland not included; Oklahoma: Gen. Sec. = alternative schools; Vermont: data includes imputation. # Sum of reporting states, except total teachers includes imputation for nonreporting states.

Note: General secondary certification included in broad field category: California - 35; Connecticut - 1; New Mexico - 3; Ohio - 56; Oklahoma - 6; South Dakota - 4; Vermont - 1; Wyoming - 1.

Source: State Departments of Education, Data on Public Schools, 2001-02.

Council of Chief State School Officers, State Services and Technical Assistance, Washington, DC, 2003.

Table 2.8**Integrated Science Teachers in Grades 9-12 by Time Assigned by Certification Status, 2002**

	Integrated Science Assignment			Certification					
	Total Integrated Science Teachers	Main %	2nd or 3rd %	% Certified	% Certified Broad Field	% Not Certified	% Certified	% Certified Broad Field	% Not Certified
State									
Alabama	—	—	—	—	—	—	—	—	—
Alaska	—	—	—	—	—	—	—	—	—
Arizona	—	—	—	—	—	—	—	—	—
Arkansas	—	—	—	—	—	—	—	—	—
California	1,596	63%	37%	0%	58%	4%	0%	32%	6%
Colorado	—	—	—	—	—	—	—	—	—
Connecticut	45	67%	33%	0%	67%	0%	0%	33%	0%
Delaware	—	—	—	—	—	—	—	—	—
District of Columbia	—	—	—	—	—	—	—	—	—
DoDEA	—	—	—	—	—	—	—	—	—
Florida	671	19%	81%	—	—	—	—	—	—
Georgia	—	—	—	—	—	—	—	—	—
Guam	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—
Idaho	19	21%	79%	21%	0%	0%	74%	0%	5%
Illinois	—	—	—	—	—	—	—	—	—
Indiana	107	25%	75%	—	—	—	—	—	—
Iowa	125	—	—	—	—	—	—	—	—
Kansas	—	—	—	—	—	—	—	—	—
Kentucky	612	—	—	—	—	—	—	—	—
Louisiana	23	78%	22%	61%	0%	17%	13%	0%	9%
Maine	167	54%	46%	47%	0%	7%	37%	0%	7%
Maryland	—	—	—	—	—	—	—	—	—
Massachusetts	339	65%	35%	0%	47%	18%	0%	22%	14%
Michigan	—	—	—	—	—	—	—	—	—
Minnesota	44	43%	57%	2%	18%	23%	11%	9%	36%
Mississippi	—	—	—	—	—	—	—	—	—
Missouri	—	—	—	—	—	—	—	—	—
Montana	—	—	—	—	—	—	—	—	—
Nebraska	—	—	—	—	—	—	—	—	—
Nevada	—	—	—	—	—	—	—	—	—
New Hampshire	—	—	—	—	—	—	—	—	—
New Jersey	—	—	—	—	—	—	—	—	—
New Mexico	39	21%	79%	0%	18%	3%	0%	79%	0%
New York	141	31%	69%	23%	0%	9%	52%	0%	16%
North Carolina	—	—	—	—	—	—	—	—	—
North Dakota	—	—	—	—	—	—	—	—	—
Ohio	1,166	54%	46%	15%	34%	5%	14%	25%	7%
Oklahoma	—	—	—	—	—	—	—	—	—
Oregon	—	—	—	—	—	—	—	—	—
Pennsylvania	—	—	—	—	—	—	—	—	—
Puerto Rico	—	—	—	—	—	—	—	—	—
Rhode Island	—	—	—	—	—	—	—	—	—
South Carolina	—	—	—	—	—	—	—	—	—
South Dakota	—	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—	—
Texas	4,497	45%	55%	1%	0%	43%	2%	0%	53%
Utah	36	28%	72%	22%	0%	6%	28%	0%	44%
Vermont	67	39%	61%	0%	37%	1%	0%	61%	0%
Virgin Islands	—	—	—	—	—	—	—	—	—
Virginia	—	—	—	—	—	—	—	—	—
Washington	—	—	—	—	—	—	—	—	—
West Virginia	817	100%	0%	—	—	—	—	—	—
Wisconsin	—	—	—	—	—	—	—	—	—
Wyoming	—	—	—	—	—	—	—	—	—
NATION#	10,511	52%	48%	5%	19%	27%	5%	12%	32%

— Data not available. Main Assignment = Half time or more assigned to subject; 2nd or 3rd Assignment = Less than half time assigned to subject. Minnesota: data source grade range 7-9 not included; Ohio: Cleveland not included; Vermont: data includes imputation. # Sum of reporting states.

Note: General secondary certification included in broad field category: California - 21; New Mexico - 3; Ohio - 209; Vermont - 10.

Source: State Departments of Education, Data on Public Schools, 2001-02.

Council of Chief State School Officers, State Services and Technical Assistance, Washington, DC, 2003.

Table 2.9**Grades 7-8 Mathematics Teachers by Time Assigned by Certification Status, 2002**

State	Mathematics Assignment			Certification					
	Total Teachers (Grades 7-8)	Main %	2nd or 3rd %	Main Assignment			2nd or 3rd Assignment		
				% Certified Math	% Certified Elem./Middle	% Not Certified	% Certified Math	% Certified Elem./Middle	% Not Certified
Alabama	—	—	—	—	—	—	—	—	—
Alaska	—	—	—	—	—	—	—	—	—
Arizona	—	—	—	—	—	—	—	—	—
Arkansas	790	—	—	—	—	—	—	—	—
California	—	—	—	—	—	—	—	—	—
Colorado	1,228	95%	5%	—	—	—	—	—	—
Connecticut	966	93%	7%	52%	36%	4%	2%	5%	1%
Delaware	142	100%	0%	41%	27%	27%	0%	0%	0%
District of Columbia	198	100%	—	—	—	—	—	—	—
DoDEA	—	—	—	—	—	—	—	—	—
Florida	5,960	46%	54%	—	—	—	—	—	—
Georgia	1,769	94%	6%	13%	72%	—	1%	4%	—
Guam	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—
Idaho	483	53%	47%	24%	29%	0.4%	20%	26%	1%
Illinois	1,528	93%	7%	48%	23%	22%	2%	4%	1%
Indiana	1,518	86%	14%	79%	5%	2%	9%	3%	2%
Iowa	—	—	—	—	—	—	—	—	—
Kansas	1,052	—	—	60%	39%	1%	—	—	—
Kentucky	1,415	—	—	—	—	—	—	—	—
Louisiana	443	78%	22%	64%	0%	14%	15%	0%	7%
Maine	471	74%	26%	72%	0%	2%	24%	0%	2%
Maryland	—	—	—	—	—	—	—	—	—
Massachusetts	2,502	76%	24%	43%	23%	10%	4%	11%	9%
Michigan	—	—	—	—	—	—	—	—	—
Minnesota	1,251	72%	28%	71%	0%	1%	27%	0%	1%
Mississippi	906	99%	1%	94%	0%	5%	1%	0%	0.1%
Missouri	1,490	76%	24%	71%	0%	5%	18%	0%	6%
Montana	—	—	—	—	—	—	—	—	—
Nebraska	150	98%	2%	90%	—	—	1%	—	—
Nevada	487	92%	8%	89%	1%	2%	7%	0.2%	0.2%
New Hampshire	296	—	—	—	—	—	—	—	—
New Jersey	—	—	—	—	—	—	—	—	—
New Mexico	787	87%	13%	18%	59%	12%	2%	3%	10%
New York	7,628	71%	29%	60%	0%	11%	23%	0%	6%
North Carolina	3,719	80%	20%	15%	0%	5%	44%	1%	36%
North Dakota	456	53%	47%	35%	24%	0%	13%	27%	0%
Ohio	3,224	86%	14%	32%	47%	7%	5%	7%	3%
Oklahoma	1,289	53%	47%	29%	24%	0.1%	26%	21%	0.2%
Oregon	—	—	—	—	—	—	—	—	—
Pennsylvania	—	—	—	—	—	—	—	—	—
Puerto Rico	—	—	—	—	—	—	—	—	—
Rhode Island	—	—	—	—	—	—	—	—	—
South Carolina	—	—	—	—	—	—	—	—	—
South Dakota	502	14%	86%	14%	0%	0.2%	78%	6%	2%
Tennessee	—	—	—	—	—	—	—	—	—
Texas	—	—	—	—	—	—	—	—	—
Utah	659	88%	12%	79%	10%	0.2%	6%	5%	0%
Vermont	309	73%	27%	57%	12%	4%	12%	12%	4%
Virgin Islands	—	—	—	—	—	—	—	—	—
Virginia	—	—	—	—	—	—	—	—	—
Washington	—	—	—	—	—	—	—	—	—
West Virginia	845	100%	0%	—	—	—	—	—	—
Wisconsin	1,322	88%	12%	86%	0%	—	13%	0%	—
Wyoming	146	77%	23%	71%	6%	0%	18%	4%	0%
NATION	91,262	76%	24%	44%	18%	13%	17%	5%	3%

— Data not available. Main Assignment = Half time or more assigned to subject; 2nd or 3rd Assignment = Less than half time assigned to subject.

Certified Elem./Middle = Certified to teach General Elementary, Middle/Junior High, General Secondary, or Science.

Kansas: 50% or more category = all teaching assignments; Minnesota: data source grade range 7-9 not included; Ohio: Cleveland not included; Oklahoma: Gen. Sec. = alternative schools; some grades 7-8 teachers not included; Vermont: grades 5-8; data includes imputation. National totals include imputation for nonreporting states.

Source: State Departments of Education, Data on Public Schools, 2001-02.

Council of Chief State School Officers, State Services and Technical Assistance, Washington, DC, 2003.

Table 2.10
Grades 7-8 Science Teachers by Time Assigned by Certification Status, 2002

	Science Assignment			Certification					
	Total Teachers (Grades 7-8)	Main %	2nd or 3rd %	% Certified Science	% Certified Elem./Middle	% Not Certified	% Certified Science	% Certified Elem./Middle	% Not Certified
State									
Alabama	—	—	—	—	—	—	—	—	—
Alaska	—	—	—	—	—	—	—	—	—
Arizona	—	—	—	—	—	—	—	—	—
Arkansas	684	—	—	—	—	—	—	—	—
California	—	—	—	—	—	—	—	—	—
Colorado	1,063	96%	4%	—	—	—	—	—	—
Connecticut	923	94%	6%	54%	33%	7%	1%	4%	1%
Delaware	61	100%	0%	51%	25%	25%	0%	0%	0%
District of Columbia	146	100%	—	—	—	—	—	—	—
DoDEA	—	—	—	—	—	—	—	—	—
Florida	4,560	39%	61%	—	—	—	—	—	—
Georgia	1,386	93%	7%	16%	63%	—	0.4%	5%	—
Guam	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—
Idaho	401	58%	42%	37%	16%	5%	22%	17%	2%
Illinois	1,419	92%	8%	45%	21%	27%	2%	2%	3%
Indiana	1,374	89%	11%	84%	2%	2%	8%	2%	2%
Iowa	—	—	—	—	—	—	—	—	—
Kansas	1,008	—	—	62%	31%	1%	—	—	—
Kentucky	1,148	—	—	—	—	—	—	—	—
Louisiana	657	73%	27%	55%	0%	18%	15%	0%	12%
Maine	376	80%	20%	77%	0%	3%	19%	0%	1%
Maryland	—	—	—	—	—	—	—	—	—
Massachusetts	2,063	79%	21%	54%	19%	6%	5%	10%	7%
Michigan	—	—	—	—	—	—	—	—	—
Minnesota	998	76%	24%	71%	0%	5%	21%	0%	3%
Mississippi	816	100%	0.5%	92%	0%	8%	0.4%	0%	0.1%
Missouri	1,401	81%	19%	75%	0%	6%	14%	0%	5%
Montana	—	—	—	—	—	—	—	—	—
Nebraska	140	96%	4%	68%	—	—	2%	—	—
Nevada	382	92%	8%	51%	38%	4%	4%	3%	0.3%
New Hampshire	200	—	—	—	—	—	—	—	—
New Jersey	—	—	—	—	—	—	—	—	—
New Mexico	729	61%	39%	26%	36%	9%	6%	13%	13%
New York	6,091	76%	24%	63%	0%	14%	17%	0%	7%
North Carolina	2,882	57%	43%	27%	0.2%	15%	24%	0%	33%
North Dakota	357	38%	62%	11%	29%	0%	23%	45%	0%
Ohio	5,095	86%	14%	18%	50%	18%	2%	8%	4%
Oklahoma	1,223	59%	41%	37%	21%	0%	21%	20%	0%
Oregon	—	—	—	—	—	—	—	—	—
Pennsylvania	—	—	—	—	—	—	—	—	—
Puerto Rico	—	—	—	—	—	—	—	—	—
Rhode Island	—	—	—	—	—	—	—	—	—
South Carolina	—	—	—	—	—	—	—	—	—
South Dakota	412	22%	78%	20%	1%	0.2%	64%	9%	5%
Tennessee	—	—	—	—	—	—	—	—	—
Texas	—	—	—	—	—	—	—	—	—
Utah	533	94%	6%	77%	16%	1%	4%	3%	0.2%
Vermont	277	80%	20%	63%	9%	3%	9%	9%	3%
Virgin Islands	—	—	—	—	—	—	—	—	—
Virginia	—	—	—	—	—	—	—	—	—
Washington	—	—	—	—	—	—	—	—	—
West Virginia	644	100%	0%	—	—	—	—	—	—
Wisconsin	1,195	88%	12%	87%	0%	—	15%	0%	—
Wyoming	141	77%	23%	73%	4%	0%	23%	0%	0%
NATION	79,338	74%	26%	46%	17%	11%	12%	4%	10%

— Data not available. Main Assignment = Half time or more assigned to subject; 2nd or 3rd Assignment = Less than half time assigned to subject.

Certified Elem./Middle = Certified to teach General Elementary, Middle/Junior High, General Secondary, or Math.

Kansas: 50% or more category = all teaching assignments; Minnesota: data source grade range 7-9 not included; Ohio: Cleveland not included; Oklahoma: Gen. Sec. = alternative schools; some grades 7-8 teachers not included; Vermont: grades 5-8; data includes imputation. National totals include imputation for nonreporting states.

Source: State Departments of Education, Data on Public Schools, 2001-02.

Council of Chief State School Officers, State Services and Technical Assistance, Washington, DC, 2003.

Table 2.11
Age of Science and Mathematics Teachers, Grades 9-12, 2002

State	Math				Biology				Chemistry				Physics			
	Total Teachers	% Under Age 30	% Age 30-49	% Over Age 50	Total Teachers	% Under Age 30	% Age 30-49	% Over Age 50	Total Teachers	% Under Age 30	% Age 30-49	% Over Age 50	Total Teachers	% Under Age 30	% Age 30-49	% Over Age 50
Alabama	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Alaska	276	11%	66%	22%	81	4%	68%	28%	26	4%	62%	35%	16	6%	69%	25%
Arizona	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Arkansas	1,412	16%	51%	33%	580	14%	56%	30%	224	10%	57%	33%	96	14%	50%	36%
California	11,924	16%	49%	36%	4,214	19%	49%	32%	1,997	15%	52%	33%	1,264	14%	53%	33%
Colorado	1,768	20%	56%	24%	1,643	20%	58%	22%	—	—	—	—	—	—	—	—
Connecticut	1,519	13%	43%	44%	738	17%	46%	38%	405	9%	47%	44%	220	5%	49%	46%
Delaware	277	20%	48%	32%	67	16%	36%	48%	41	7%	54%	39%	33	21%	45%	33%
District of Columbia	272	—	—	—	89	—	—	—	44	—	—	—	24	—	—	—
DoDEA	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Florida	7,752	15%	47%	25%	2,742	17%	43%	26%	918	12%	45%	31%	451	12%	44%	30%
Georgia	3,200	22%	54%	25%	1,318	23%	53%	24%	—	—	—	—	—	—	—	—
Guam	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Idaho	843	12%	57%	31%	319	15%	52%	34%	139	11%	48%	41%	108	7%	56%	36%
Illinois	4,540	20%	46%	34%	1,513	21%	48%	31%	863	16%	49%	35%	420	14%	55%	31%
Indiana	2,534	18%	49%	33%	1,141	18%	48%	34%	632	18%	54%	28%	390	13%	51%	36%
Iowa	1,412	22%	51%	26%	645	23%	54%	23%	438	23%	49%	28%	353	18%	52%	31%
Kansas	1,541	15%	50%	35%	653	14%	55%	31%	446	14%	52%	35%	325	14%	48%	38%
Kentucky	1,890	—	—	—	773	—	—	—	475	—	—	—	296	—	—	—
Louisiana	1,235	—	—	—	520	—	—	—	199	—	—	—	87	—	—	—
Maine	752	14%	51%	35%	361	15%	55%	30%	232	15%	53%	32%	180	13%	49%	37%
Maryland	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Massachusetts	3,303	16%	41%	43%	1,214	21%	42%	38%	756	14%	40%	45%	499	13%	42%	45%
Michigan	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Minnesota	2,118	17%	53%	30%	939	18%	55%	27%	550	18%	52%	30%	345	11%	57%	32%
Mississippi	1,233	15%	50%	31%	779	18%	51%	26%	315	16%	46%	33%	215	17%	45%	32%
Missouri	2,388	18%	52%	30%	1,349	19%	56%	25%	665	17%	52%	31%	415	15%	54%	31%
Montana	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Nebraska	1,205	17%	48%	36%	554	14%	55%	31%	339	15%	52%	33%	277	13%	51%	36%
Nevada	871	14%	56%	30%	308	12%	61%	27%	124	10%	68%	22%	79	14%	61%	25%
New Hampshire	602	10%	45%	45%	335	13%	49%	38%	90	6%	47%	48%	47	13%	36%	51%
New Jersey	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
New Mexico	844	10%	58%	32%	384	14%	60%	27%	157	7%	61%	32%	81	4%	63%	33%
New York	10,832	18%	46%	36%	4,356	21%	51%	28%	2,228	19%	51%	30%	1,309	13%	51%	36%
North Carolina	4,004	31%	43%	26%	1,419	33%	45%	22%	651	31%	45%	24%	347	21%	48%	31%
North Dakota	444	9%	51%	41%	267	14%	46%	40%	181	13%	43%	44%	114	12%	41%	46%
Ohio	4,180	23%	50%	27%	1,659	25%	48%	27%	949	21%	48%	31%	686	15%	51%	34%
Oklahoma	2,098	11%	52%	26%	1,128	12%	56%	22%	515	11%	53%	28%	230	11%	50%	34%
Oregon	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pennsylvania	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Puerto Rico	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Rhode Island	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
South Carolina	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
South Dakota	461	15%	49%	37%	271	14%	52%	34%	175	14%	52%	34%	124	11%	51%	38%
Tennessee	1,797	—	—	—	688	—	—	—	412	—	—	—	233	—	—	—
Texas	26,339	—	—	—	6,291	—	—	—	3,312	—	—	—	1,938	—	—	—
Utah	702	16%	55%	29%	334	12%	57%	31%	187	12%	54%	34%	129	12%	49%	40%
Vermont	342	14%	52%	34%	148	18%	50%	32%	108	8%	48%	44%	70	4%	50%	46%
Virgin Islands	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Virginia	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Washington	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
West Virginia	1,081	7%	55%	38%	237	4%	49%	47%	161	9%	50%	41%	115	7%	63%	30%
Wisconsin	2,410	15%	53%	33%	1,087	15%	54%	31%	618	15%	52%	33%	388	12%	55%	33%
Wyoming	269	14%	58%	28%	117	10%	59%	31%	65	11%	60%	29%	41	15%	51%	34%
NATION	148,290	16%	56%	28%	54,178	19%	53%	28%	28,011	15%	54%	31%	17,006	13%	55%	33%

— Data not available. Alaska: partial data; Colorado: Biology=all science; Minnesota: data source grade range 7-9 not included; Ohio: Cleveland not included; Vermont: data includes imputation.

National totals include imputation for nonreporting states.

Source: State Departments of Education, Data on Public Schools, 2001-02.

Council of Chief State School Officers, State Services and Technical Assistance, Washington, DC, 2003.

Table 2.12**Gender of Science and Mathematics Teachers, Grades 9-12, 2002**

	Math			Biology			Chemistry			Physics		
	Total Teachers	% Male	% Female	Total Teachers	% Male	% Female	Total Teachers	% Male	% Female	Total Teachers	% Male	% Female
State												
Alabama	—	—	—	—	—	—	—	—	—	—	—	—
Alaska	276	60%	40%	81	59%	41%	26	58%	42%	16	81%	19%
Arizona	—	—	—	—	—	—	—	—	—	—	—	—
Arkansas	1,412	38%	62%	580	41%	59%	224	51%	49%	96	61%	39%
California	11,924	60%	40%	4,214	56%	44%	1,997	63%	37%	1,264	79%	21%
Colorado	1,768	50%	50%	1,643	56%	44%	—	—	—	—	—	—
Connecticut	1,519	47%	53%	738	46%	54%	405	56%	44%	220	79%	21%
Delaware	277	35%	65%	67	55%	45%	41	54%	46%	33	73%	27%
District of Columbia	272	—	—	89	—	—	44	—	—	24	—	—
DoDEA	—	—	—	—	—	—	—	—	—	—	—	—
Florida	7,752	35%	52%	2,742	36%	50%	918	42%	46%	451	60%	26%
Georgia	3,200	32%	68%	1,318	35%	65%	—	—	—	—	—	—
Guam	—	—	—	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—	—	—	—
Idaho	843	56%	44%	319	70%	30%	139	71%	29%	108	78%	22%
Illinois	4,540	46%	54%	1,513	49%	51%	863	53%	47%	420	73%	27%
Indiana	2,534	53%	47%	1,141	58%	42%	632	56%	44%	390	76%	24%
Iowa	1,412	57%	43%	645	64%	36%	438	64%	36%	353	74%	26%
Kansas	1,541	51%	49%	653	63%	37%	446	66%	34%	325	76%	24%
Kentucky	1,890	35%	58%	773	35%	56%	475	37%	53%	296	54%	39%
Louisiana	1,235	—	—	520	—	—	199	—	—	87	—	—
Maine	752	57%	43%	361	55%	45%	232	59%	41%	180	80%	20%
Maryland	—	—	—	—	—	—	—	—	—	—	—	—
Massachusetts	3,303	50%	50%	1,214	46%	54%	756	55%	45%	499	79%	21%
Michigan	—	—	—	—	—	—	—	—	—	—	—	—
Minnesota	2,118	58%	42%	939	58%	42%	550	65%	35%	345	81%	19%
Mississippi	1,233	30%	70%	779	35%	65%	315	39%	61%	215	47%	53%
Missouri	2,388	40%	60%	1,349	45%	55%	665	51%	49%	415	67%	33%
Montana	—	—	—	—	—	—	—	—	—	—	—	—
Nebraska	1,205	52%	48%	554	60%	40%	339	67%	33%	277	73%	27%
Nevada	871	52%	48%	308	57%	43%	124	55%	45%	79	68%	32%
New Hampshire	602	48%	52%	335	47%	53%	90	56%	44%	47	81%	19%
New Jersey	—	—	—	—	—	—	—	—	—	—	—	—
New Mexico	844	48%	52%	384	57%	43%	157	55%	45%	81	58%	42%
New York	10,832	42%	58%	4,356	47%	53%	2,228	56%	44%	1,309	78%	22%
North Carolina	4,004	35%	65%	1,419	37%	63%	651	43%	57%	347	1%	0%
North Dakota	444	59%	41%	267	61%	39%	181	61%	39%	114	68%	32%
Ohio	4,180	48%	52%	1,659	51%	49%	949	56%	44%	686	67%	33%
Oklahoma	2,098	42%	58%	1,128	55%	45%	515	52%	48%	230	64%	36%
Oregon	—	—	—	—	—	—	—	—	—	—	—	—
Pennsylvania	—	—	—	—	—	—	—	—	—	—	—	—
Puerto Rico	—	—	—	—	—	—	—	—	—	—	—	—
Rhode Island	—	—	—	—	—	—	—	—	—	—	—	—
South Carolina	—	—	—	—	—	—	—	—	—	—	—	—
South Dakota	461	53%	47%	271	62%	38%	175	55%	45%	124	55%	45%
Tennessee	1,797	—	—	688	—	—	412	—	—	233	—	—
Texas	26,339	40%	60%	6,291	43%	57%	3,312	45%	55%	1,938	60%	40%
Utah	702	54%	46%	334	67%	33%	187	70%	30%	129	73%	27%
Vermont	342	48%	52%	148	59%	41%	108	65%	35%	70	81%	19%
Virgin Islands	—	—	—	—	—	—	—	—	—	—	—	—
Virginia	—	—	—	—	—	—	—	—	—	—	—	—
Washington	—	—	—	—	—	—	—	—	—	—	—	—
West Virginia	1,081	40%	60%	237	47%	53%	161	53%	47%	115	62%	38%
Wisconsin	2,410	57%	43%	1,087	63%	37%	618	65%	35%	388	78%	21%
Wyoming	269	59%	41%	117	68%	32%	65	69%	31%	41	83%	17%
NATION	148,290	44%	56%	54,178	48%	52%	28,011	53%	47%	17,006	72%	28%

— Data not available. Alaska: partial data; Colorado: Biology=all science; Minnesota: data source grade range 7-9 not included; Ohio: Cleveland not included; Vermont: data includes imputation.

National totals include imputation for nonreporting states.

Source: State Departments of Education, Data on Public Schools, 2001-02.

Council of Chief State School Officers, State Services and Technical Assistance, Washington, DC, 2003.

Table 2.13**Race/Ethnicity of Teachers Assigned in Mathematics and Biology, Grades 9-12, 2002**

State	Math						Biology					
	Total Teachers	% Hispanic	% White	% Afr.-Am.	% Asian	% Am. Ind.	Total Teachers	% Hispanic	% White	% Afr.-Am.	% Asian	% Am. Ind.
Alabama	—	—	—	—	—	—	—	—	—	—	—	—
Alaska	276	1%	91%	1%	1%	5%	81	2%	94%	1%	0%	2%
Arizona	—	—	—	—	—	—	—	—	—	—	—	—
Arkansas	1,412	0%	90%	9%	0.4%	0.5%	580	0.2%	90%	9%	0%	1%
California	11,924	11%	73%	5%	9%	1%	4,214	9%	78%	4%	7%	1%
Colorado	1,768	4%	93%	1%	1%	0.4%	1,643	4%	92%	1%	1%	1%
Connecticut	1,519	2%	94%	3%	1%	0.3%	738	1%	94%	3%	1%	1%
Delaware	277	0.4%	92%	8%	0.4%	0%	67	1%	91%	7%	0%	0%
District of Columbia	272	—	—	—	—	—	89	—	—	—	—	—
DoDEA	—	—	—	—	—	—	—	—	—	—	—	—
Florida	7,752	7%	65%	14%	1%	0.5%	2,742	6%	66%	13%	1%	0.3%
Georgia	3,200	0.2%	80%	18%	1%	0.3%	1,318	0.2%	81%	18%	1%	0.1%
Guam	—	—	—	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—	—	—	—
Idaho	843	0.5%	99%	0%	1%	0.1%	319	1%	98%	0%	1%	0.3%
Illinois	4,540	1%	89%	7%	2%	1%	1,513	1%	88%	7%	2%	2%
Indiana	2,534	0.3%	97%	2%	0.5%	0%	1,141	1%	97%	3%	0%	0%
Iowa	1,412	0.1%	99%	0.3%	0.4%	0.2%	645	0.3%	98%	0.3%	0.3%	1%
Kansas	1,541	1%	98%	1%	0.5%	0.3%	653	0.3%	98%	1%	0.3%	0.3%
Kentucky	1,890	0.1%	83%	2%	0.1%	0.1%	773	0.1%	80%	2%	0%	0%
Louisiana	1,235	—	—	—	—	—	520	—	—	—	—	—
Maine	752	1%	97%	0.1%	0.3%	0.3%	361	0.3%	99%	0%	0%	0%
Maryland	—	—	—	—	—	—	—	—	—	—	—	—
Massachusetts	3,303	2%	90%	5%	2%	0.1%	1,214	2%	91%	5%	2%	0%
Michigan	—	—	—	—	—	—	—	—	—	—	—	—
Minnesota	2,118	0.2%	98%	1%	1%	0.4%	939	0%	98%	1%	0.3%	0.2%
Mississippi	1,233	0.2%	77%	23%	0.2%	0%	779	0.3%	76%	23%	0.3%	0%
Missouri	2,388	0.2%	94%	5%	0.5%	0.1%	1,349	0.4%	96%	4%	0.2%	0.1%
Montana	—	—	—	—	—	—	—	—	—	—	—	—
Nebraska	1,205	1%	99%	0.3%	0.1%	0.1%	554	0.2%	99%	1%	1%	0%
Nevada	871	2%	91%	2%	3%	1%	308	4%	93%	2%	1%	0%
New Hampshire	602	—	—	—	—	—	335	—	—	—	—	—
New Jersey	—	—	—	—	—	—	—	—	—	—	—	—
New Mexico	844	21%	73%	1%	1%	2%	384	18%	79%	1%	1%	1%
New York	10,832	—	—	—	—	—	4,356	—	—	—	—	—
North Carolina	4,004	0.2%	84%	14%	1%	1%	1,419	0.3%	84%	14%	0.4%	1%
North Dakota	444	0%	100%	0%	0%	0%	267	0%	98%	0%	0%	2%
Ohio	4,180	0.2%	95%	4%	0.5%	0.05%	1,659	0.4%	95%	4%	0.4%	0%
Oklahoma	2,098	0.1%	94%	2%	1%	3%	1,128	0.2%	94%	2%	0.4%	3%
Oregon	—	—	—	—	—	—	—	—	—	—	—	—
Pennsylvania	—	—	—	—	—	—	—	—	—	—	—	—
Puerto Rico	—	—	—	—	—	—	—	—	—	—	—	—
Rhode Island	—	—	—	—	—	—	—	—	—	—	—	—
South Carolina	—	—	—	—	—	—	—	—	—	—	—	—
South Dakota	461	0%	100%	0%	0%	0%	271	0%	100%	0%	0%	0.4%
Tennessee	1,797	—	—	—	—	—	688	—	—	—	—	—
Texas	26,339	14%	77%	7%	1%	0.1%	6,291	13%	78%	8%	1%	0.4%
Utah	702	1%	95%	0.1%	1%	0.4%	334	1%	96%	0.3%	1%	0.3%
Vermont	342	0%	100%	0%	0.3%	0%	148	0%	100%	0%	0%	0%
Virgin Islands	—	—	—	—	—	—	—	—	—	—	—	—
Virginia	—	—	—	—	—	—	—	—	—	—	—	—
Washington	—	—	—	—	—	—	—	—	—	—	—	—
West Virginia	1,081	0.1%	98%	2%	0.2%	0%	237	0%	97%	3%	0%	0%
Wisconsin	2,410	1%	97%	1%	1%	0.3%	1,087	0.5%	97%	1%	0.5%	0.1%
Wyoming	269	1%	98%	0%	0.4%	0.4%	117	0%	100%	0%	0%	0%
NATION	148,290	6%	84%	6%	2%	0.4%	54,178	4%	85%	6%	1%	0.5%

— Data not available. Alaska: partial data; Colorado: Biology=all science; Minnesota: data source grade range 7-9 not included;

Ohio: Cleveland not included; Vermont: data includes imputation.

National totals include imputation for nonreporting states.

Source: State Departments of Education, Data on Public Schools, 2001-02.

Council of Chief State School Officers, State Services and Technical Assistance, Washington, DC, 2003.

Table 2.14**Race/Ethnicity of Teachers Assigned in Chemistry and Physics, Grades 9-12, 2002**

	Chemistry						Physics					
	Total Teachers	% Hispanic	% White	% Afr.-Am.	% Asian	% Am. Ind.	Total Teachers	% Hispanic	% White	% Afr.-Am.	% Asian	% Am. Ind.
Alabama	—	—	—	—	—	—	—	—	—	—	—	—
Alaska	26	4%	96%	0%	0%	0%	16	0%	94%	0%	0%	6%
Arizona	—	—	—	—	—	—	—	—	—	—	—	—
Arkansas	224	0%	97%	3%	0%	0%	96	0%	96%	4%	0%	0%
California	1,997	7%	78%	4%	9%	1%	1,264	5%	84%	3%	7%	1%
Colorado	—	—	—	—	—	—	—	—	—	—	—	—
Connecticut	405	2%	93%	3%	1%	0.2%	220	0%	98%	0.5%	1%	0.5%
Delaware	41	0%	93%	7%	0%	0%	33	0%	88%	6%	6%	0%
District of Columbia	44	—	—	—	—	—	24	—	—	—	—	—
DoDEA	—	—	—	—	—	—	—	—	—	—	—	—
Florida	918	7%	69%	9%	2%	0.2%	451	8%	73%	4%	2%	0.2%
Georgia	—	—	—	—	—	—	—	—	—	—	—	—
Guam	—	—	—	—	—	—	—	—	—	—	—	—
Hawaii	—	—	—	—	—	—	—	—	—	—	—	—
Idaho	139	0%	99%	0%	1%	0%	108	0%	100%	0%	0%	0%
Illinois	863	1%	90%	6%	3%	1%	420	0.2%	94%	3%	2%	0.2%
Indiana	632	0.5%	97%	2%	1%	0%	390	0%	97%	1%	2%	0%
Iowa	438	0.5%	99%	0.2%	0.2%	0.2%	353	0.3%	99%	0%	0.3%	0.3%
Kansas	446	1%	98%	1%	0.4%	0.4%	325	1%	99%	0.3%	0.3%	0%
Kentucky	475	0.4%	82%	0.4%	0.2%	0.2%	296	0%	85%	0%	0%	0%
Louisiana	199	—	—	—	—	—	87	—	—	—	—	—
Maine	232	0%	98%	0.4%	0.4%	0%	180	0%	97%	1%	0%	0%
Maryland	—	—	—	—	—	—	—	—	—	—	—	—
Massachusetts	756	3%	91%	4%	2%	0.1%	499	1%	95%	3%	1%	0%
Michigan	—	—	—	—	—	—	—	—	—	—	—	—
Minnesota	550	0%	98%	1%	1%	0.2%	345	0%	99%	0%	1%	0.3%
Mississippi	315	0%	75%	25%	0.3%	0%	215	0.5%	80%	20%	0%	0%
Missouri	665	0.5%	95%	4%	1%	0%	415	0.2%	97%	2%	0.2%	0%
Montana	—	—	—	—	—	—	—	—	—	—	—	—
Nebraska	339	1%	98%	1%	0%	0%	277	1%	99%	0%	0%	0%
Nevada	124	1%	95%	1%	2%	0%	79	4%	95%	0%	0%	0%
New Hampshire	90	—	—	—	—	—	47	—	—	—	—	—
New Jersey	—	—	—	—	—	—	—	—	—	—	—	—
New Mexico	157	13%	82%	0%	3%	2%	81	7%	90%	0%	1%	1%
New York	2,228	—	—	—	—	—	1,309	—	—	—	—	—
North Carolina	651	0.2%	90%	9%	1%	1%	347	1%	93%	5%	0.3%	1%
North Dakota	181	1%	98%	1%	0%	1%	114	1%	98%	0%	0%	1%
Ohio	949	0.2%	97%	2%	0.2%	0.1%	686	0.1%	99%	1%	0.3%	0%
Oklahoma	515	0.4%	95%	1%	0.4%	3%	230	1%	95%	1%	0%	3%
Oregon	—	—	—	—	—	—	—	—	—	—	—	—
Pennsylvania	—	—	—	—	—	—	—	—	—	—	—	—
Puerto Rico	—	—	—	—	—	—	—	—	—	—	—	—
Rhode Island	—	—	—	—	—	—	—	—	—	—	—	—
South Carolina	—	—	—	—	—	—	—	—	—	—	—	—
South Dakota	175	0%	99%	0%	1%	1%	124	0%	99%	0%	1%	0%
Tennessee	412	—	—	—	—	—	233	—	—	—	—	—
Texas	3,312	12%	79%	7%	2%	0.4%	1,938	9%	85%	4%	2%	0.1%
Utah	187	0%	98%	0%	1%	1%	129	1%	98%	0%	0%	1%
Vermont	108	0%	100%	0%	0%	0%	70	0%	100%	0%	0%	0%
Virgin Islands	—	—	—	—	—	—	—	—	—	—	—	—
Virginia	—	—	—	—	—	—	—	—	—	—	—	—
Washington	—	—	—	—	—	—	—	—	—	—	—	—
West Virginia	161	0%	99%	0%	1%	0%	115	0%	99%	1%	0%	0%
Wisconsin	618	0.5%	98%	0.3%	1%	0.5%	388	0%	100%	0%	0%	0%
Wyoming	65	3%	95%	2%	0%	0%	41	0%	100%	0%	0%	0%
NATION	28,011	4%	90%	4%	2%	0.5%	17,006	3%	93%	2%	2%	0.3%

— Data not available. Alaska: partial data; Minnesota: data source grade range 7-9 not included; Ohio: Cleveland not included; Vermont: data includes imputation.

National totals include imputation for nonreporting states.

Source: State Departments of Education, Data on Public Schools, 2001-02.

Council of Chief State School Officers, State Services and Technical Assistance, Washington, DC, 2003.