

Detailed State-Level Data on State Science-Mathematics Indicators from the 1999-00 School Year

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**Detailed State-Level Data on State Science-Mathematics Indicators
from the 1999-00 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, 2000**

State	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
Alabama	58,681	2%	77%	13%	57,105	2%	50%	--	13%	115,786	--
Alaska	10,932	--	--	--	10,497	--	--	--	--	21,429	--
Arizona	66,648	--	--	--	63,943	--	--	--	--	130,591	--
Arkansas	35,570	--	89%	11%	35,936	--	35%	29%	23%	71,506	--
California	431,003	1%	49%	32%	424,768	1%	32%	24%	33%	855,771	2%
Colorado	54,589	--	--	--	53,556	--	--	--	--	108,145	--
Connecticut	41,837	8%	63%	26%	40,254	5%	31%	31%	28%	82,091	1%
Delaware	9,322	--	--	--	8,964	--	--	--	--	18,286	--
Dist. of Columbia	4,557	--	72%	--	4,083	--	66%	--	14%	8,640	--
DoDEA	5,665	1%	80%	40%	5,171	--	13%	70%	43%	10,836	0.3%
Florida	183,976	--	--	--	179,066	--	--	--	--	363,042	--
Georgia	106,857	--	--	--	104,863	--	--	--	--	211,720	--
Hawaii	13,610	--	--	--	13,339	--	--	--	--	26,949	--
Idaho	18,458	1%	56%	18%	19,073	1%	32%	29%	20%	37,531	0.1%
Illinois	148,980	--	--	--	148,529	--	--	--	--	297,509	--
Indiana	74,982	--	84%	10%	74,679	--	69%	16%	11%	149,661	--
Iowa	37,529	--	--	--	38,374	--	--	--	--	75,903	--
Kansas	36,876	--	--	--	37,189	--	--	--	--	74,065	--
Kentucky	48,617	--	88%	13%	49,580	--	62%	27%	12%	98,197	--
Louisiana	60,940	--	53%	--	56,683	--	19%	29%	6%	117,623	--
Maine	17,448	--	--	--	17,392	--	--	--	--	34,840	--
Maryland	63,379	--	--	--	62,174	--	--	--	--	125,553	--
Massachusetts	73,148	3%	61%	29%	72,101	2%	44%	16%	30%	145,249	--
Michigan	124,352	--	--	--	123,565	--	--	--	--	247,917	--
Minnesota	67,430	--	56%	--	67,868	--	41%	--	13%	135,298	--
Mississippi	39,422	4%	79%	51%	37,322	1%	45%	1%	14%	76,744	--
Missouri	70,246	1%	67%	19%	69,973	0.4%	39%	--	22%	140,219	--
Montana	12,984	--	--	--	12,994	--	--	--	--	25,978	--
Nebraska	22,367	--	35%	17%	22,725	--	0%	0%	18%	45,092	--
Nevada	23,816	9%	65%	19%	23,168	8%	57%	19%	13%	46,984	--
New Hampshire	16,765	--	--	--	16,848	--	--	--	--	33,613	--
New Jersey	88,587	--	--	--	86,032	--	--	--	--	174,619	--
New Mexico	25,760	1%	70%	12%	25,716	1%	40%	28%	17%	51,476	1%
New York	204,605	7%	80%	16%	200,097	7%	76%	--	--	404,702	9%
North Carolina	96,840	--	79%	16%	95,522	--	52%	19%	25%	192,362	--
North Dakota	9,023	2%	80%	12%	9,295	1%	54%	27%	15%	18,318	--
Ohio	142,886	3%	63%	6%	141,802	3%	46%	9%	22%	284,688	--
Oklahoma	47,840	0.1%	74%	16%	47,933	0.1%	43%	32%	9%	95,773	--
Oregon	42,598	12%	55%	25%	42,825	8%	37%	24%	23%	85,423	--
Pennsylvania	142,621	--	--	--	138,766	--	--	--	--	281,387	--
Puerto Rico	51,079	--	97%	--	46,399	--	99%	--	--	97,478	--
Rhode Island	11,777	--	--	--	11,372	--	--	--	--	23,149	--
South Carolina	53,284	--	--	--	51,700	--	--	--	--	104,984	--
South Dakota	10,718	--	79%	4%	10,841	--	73%	2%	9%	21,559	1%
Tennessee	68,684	--	90%	--	66,468	--	77%	--	0%	135,152	--
Texas	303,921	--	--	--	299,760	--	--	--	--	603,681	--
Utah	35,151	5%	33%	53%	35,559	4%	4%	41%	53%	70,710	--
Vermont	8,190	10%	71%	15%	8,200	9%	57%	13%	21%	16,390	3%
Virgin Islands	2,062	--	--	--	1,520	--	--	--	--	3,582	--
Virginia	84,975	--	--	--	85,348	--	--	--	--	170,323	--
Washington	78,001	--	--	--	77,340	--	--	--	--	155,341	--
West Virginia	22,997	2%	1%	91%	22,623	2%	1%	73%	24%	45,620	--
Wisconsin	68,001	--	83%	--	68,481	--	70%	--	18%	136,482	1%
Wyoming	7,803	7%	62%	16%	7,942	7%	38%	25%	16%	15,745	1%
NATION	3,588,389	3%	67%	23%	3,533,323	3%	47%	23%	20%	7,121,712	#

-- Data not available. Vermont: data includes imputation. #Too few states reporting to impute national percent.

In several states, e.g., Minnesota, Nebraska, data from self-contained classrooms are not included in the totals.

Source: State Departments of Education, Data on Public Schools, 1999-00; NCES, CCD Fall Membership 1998.

Council of Chief State School Officers, State Education Assessment Center, Washington, DC, 2001.

Table 1.2**High School Mathematics Course Enrollments, Review and Informal Math, as a Percent of Students in Grades 9-12, 2000**

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	205,630	1%	--	--	1%	13%	--	13%
Alaska	38,394	--	--	--	--	--	--	--
Arizona	224,867	--	--	--	--	--	--	--
Arkansas	132,507	--	--	--	--	4%	4%	7%
California	1,627,284	3%	1%	--	4%	6%	--	6%
Colorado	197,136	--	--	--	--	--	--	--
Connecticut	145,317	4%	3%	1%	9%	11%	6%	16%
Delaware	33,307	--	--	--	--	--	--	--
Dist. of Columbia	13,932	15%	--	--	15%	8%	7%	15%
DoDEA	14,961	0.3%	0.2%	--	1%	13%	22%	35%
Florida	633,609	--	--	--	--	--	--	--
Georgia	371,905	--	--	--	--	--	--	--
Hawaii	53,338	--	--	--	--	--	--	--
Idaho	76,118	3%	--	--	3%	8%	1%	9%
Illinois	558,505	--	--	--	--	--	--	--
Indiana	289,027	6%	--	--	6%	8%	1%	9%
Iowa	155,834	4%	4%	--	8%	13%	2%	14%
Kansas	142,094	--	--	--	--	--	--	--
Kentucky	188,371	1%	2%	--	3%	9%	3%	13%
Louisiana	205,393	1%	4%	--	5%	1%	1%	2%
Maine	58,947	--	--	--	--	--	--	--
Maryland	231,534	--	--	--	--	--	--	--
Massachusetts	257,693	2%	3%	1%	6%	7%	3%	11%
Michigan	448,867	--	--	--	--	--	--	--
Minnesota	269,566	7%	2%	--	8%	--	--	--
Mississippi	130,815	3%	--	--	3%	17%	--	17%
Missouri	259,308	0%	0%	--	0%	0%	--	0%
Montana	50,348	--	--	--	--	--	--	--
Nebraska	91,386	10%	1%	--	12%	10%	2%	11%
Nevada	81,767	1%	6%	0.1%	8%	19%	4%	23%
New Hampshire	57,924	--	--	--	--	--	--	--
New Jersey	307,945	--	--	--	--	--	--	--
New Mexico	96,268	6%	3%	--	9%	12%	2%	13%
New York	774,469	3%	0.2%	0.3%	4%	10%	2%	12%
North Carolina	333,983	0%	0%	--	0%	7%	--	7%
North Dakota	37,737	3%	5%	--	8%	8%	--	8%
Ohio	541,121	5%	6%	--	11%	4%	4%	9%
Oklahoma	179,642	2%	1%	--	3%	7%	--	7%
Oregon	162,272	2%	1%	2%	5%	11%	2%	13%
Pennsylvania	535,400	--	--	--	--	--	--	--
Puerto Rico	157,385	--	--	40%	40%	--	--	--
Rhode Island	42,113	--	--	--	--	--	--	--
South Carolina	186,742	--	--	--	--	--	--	--
South Dakota	41,546	1%	3%	--	4%	3%	0%	3%
Tennessee	240,872	2%	--	--	2%	15%	1%	16%
Texas	1,077,158	--	--	--	--	--	--	--
Utah	147,857	2%	1%	1%	4%	13%	3%	17%
Vermont	31,522	3%	4%	2%	10%	8%	3%	10%
Virgin Islands	5,703	--	--	--	--	--	--	--
Virginia	308,627	--	--	--	--	--	--	--
Washington	302,103	--	--	--	--	--	--	--
West Virginia	91,413	2%	1%	1%	4%	21%	14%	35%
Wisconsin	278,839	--	--	--	--	4%	2%	5%
Wyoming	31,292	2%	2%	1%	5%	6%	2%	8%
NATION	13,157,693	3%	2%	#	--	9%	3%	12%

-- Data not available. Indiana: Review Level 1 includes Review Level 2 data; Ohio: Informal Math=97-98 data; Vermont: data includes imputation. #Too few states reporting to impute national percent.

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

Source: State Departments of Education, Data on Public Schools, 1999-00; NCES, CCD Fall Membership 1998.

Council of Chief State School Officers, State Education Assessment Center, Washington, DC, 2001.

Table 1.3**High School Mathematics Course Enrollments, Level 1 Through 5, as a Percent of Students in Grades 9-12, 2000**

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	205,630	15%	16%	10%	5%	2%	1%	48%
Alaska	38,394	--	--	--	--	--	--	--
Arizona	224,867	--	--	--	--	--	--	--
Arkansas	132,507	17%	22%	17%	9%	1%	1%	68%
California	1,627,284	25%	14%	11%	6%	1%	2%	59%
Colorado	197,136	--	--	--	--	--	--	--
Connecticut	145,317	21%	21%	16%	11%	3%	2%	74%
Delaware	33,307	--	--	--	--	--	--	--
Dist. of Columbia	13,932	28%	23%	18%	4%	2%	--	74%
DoDEA	14,961	25%	22%	12%	10%	--	4%	72%
Florida	633,609	--	--	--	--	--	--	--
Georgia	371,905	--	--	--	--	--	--	--
Hawaii	53,338	--	--	--	--	--	--	--
Idaho	76,118	21%	16%	15%	6%	3%	1%	62%
Illinois	558,505	--	--	--	--	--	--	--
Indiana	289,027	23%	18%	15%	9%	2%	1%	67%
Iowa	155,834	24%	17%	16%	11%	1%	1%	69%
Kansas	142,094	--	--	--	--	--	--	--
Kentucky	188,371	28%	20%	20%	10%	--	2%	81%
Louisiana	205,393	37%	20%	16%	9%	1%	1%	83%
Maine	58,947	--	--	--	--	--	--	--
Maryland	231,534	--	--	--	--	--	--	--
Massachusetts	257,693	21%	21%	18%	12%	3%	2%	76%
Michigan	448,867	--	--	--	--	--	--	--
Minnesota	269,566	13%	12%	11%	9%	4%	--	50%
Mississippi	130,815	23%	24%	20%	10%	0.02%	1%	78%
Missouri	259,308	23%	19%	20%	9%	3%	--	75%
Montana	50,348	--	--	--	--	--	--	--
Nebraska	91,386	21%	23%	19%	14%	4%	--	81%
Nevada	81,767	20%	17%	11%	4%	1%	1%	55%
New Hampshire	57,924	--	--	--	--	--	--	--
New Jersey	307,945	--	--	--	--	--	--	--
New Mexico	96,268	21%	13%	12%	5%	0.3%	1%	52%
New York	774,469	29%	21%	15%	8%	1%	3%	77%
North Carolina	333,983	39%	26%	17%	16%	--	2%	100%
North Dakota	37,737	23%	21%	19%	11%	2%	--	76%
Ohio	541,121	23%	19%	15%	11%	1%	1%	70%
Oklahoma	179,642	26%	17%	16%	7%	1%	1%	69%
Oregon	162,272	17%	16%	12%	6%	1%	1%	54%
Pennsylvania	535,400	--	--	--	--	--	--	--
Puerto Rico	157,385	23%	15%	3%	2%	--	--	44%
Rhode Island	42,113	--	--	--	--	--	--	--
South Carolina	186,742	--	--	--	--	--	--	--
South Dakota	41,546	20%	14%	16%	12%	5%	--	67%
Tennessee	240,872	21%	14%	14%	7%	1%	--	56%
Texas	1,077,158	30%	24%	17%	7%	6%	2%	86%
Utah	147,857	20%	23%	20%	11%	1%	3%	77%
Vermont	31,522	19%	16%	13%	9%	2%	1%	60%
Virgin Islands	5,703	--	--	--	--	--	--	--
Virginia	308,627	--	--	--	--	--	--	--
Washington	302,103	--	--	--	--	--	--	--
West Virginia	91,413	18%	20%	19%	15%	1%	2%	74%
Wisconsin	278,839	28%	23%	16%	11%	1%	4%	84%
Wyoming	31,292	17%	15%	14%	8%	1%	1%	56%
NATION	13,157,693	24%	19%	15%	8%	2%	2%	70%

-- Data not available. Ohio: 97-98 data; Vermont: data includes imputation.

Source: State Departments of Education, Data on Public Schools, 1999-00; NCES, CCD Fall Membership 1998.

Council of Chief State School Officers, State Education Assessment Center, Washington, DC, 2001.

Table 1.4**Gender Differences in Students Taking Higher-Level Mathematics Courses, 1990 to 2000**

PERCENT FEMALE

STATE	<u>Algebra 2/Integrated Math 3</u>		<u>Trigonometry/Precalculus</u>		<u>Algebra 1/ Integrated Math 1</u>	<u>Geometry/ Integrated Math 2</u>
	% 2000	Change 1990 to '00	% 2000	Change 1990 to '00	% 2000	% 2000
Arkansas	54%	0%	55%	+6%	50%	50%
California	52%	+1%	52%	+3%	49%	52%
Connecticut	51%	0%	52%	+4%	50%	51%
DoDEA	53%	+2%	52%	+6%	49%	53%
Idaho	52%	+5%	50%	+2%	49%	52%
Iowa	53%	+1%	51%	+4%	50%	52%
Massachusetts	52%	--	52%	--	49%	51%
Nevada	53%	+1%	51%	+7%	51%	52%
New Mexico	53%	--	54%	--	49%	52%
North Carolina	54%	-2%	54%	0%	48%	52%
North Dakota	51%	--	50%	--	45%	49%
Ohio	52%	+1%	52%	+2%	50%	52%
Oregon	51%	--	50%	--	49%	51%
Puerto Rico	58%	--	65%	+11%	54%	54%
South Dakota	53%	--	52%	--	49%	50%
Texas	52%	--	53%	--	47%	50%
Utah	50%	-1%	49%	+3%	48%	51%
Vermont	53%	+4%	55%	+5%	50%	50%
West Virginia	54%	-1%	54%	+4%	50%	54%
Wisconsin	53%	+2%	51%	+5%	49%	52%
Wyoming	51%	-1%	51%	+4%	49%	50%

-- Data not available. Ohio: 97-98 data; Vermont: data includes imputation.

DoDEA, North Carolina, Ohio, Puerto Rico, Utah, Vermont -- change from 1992 to 1998.

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

Council of Chief State School Officers, State Education Assessment Center, Washington, DC, 2001.

Table 1.5
Grades 7-8 Science Course Enrollments as a Percent of Students in Grades 7-8, 2000

State	Student Membership (Grades 7-8)	% General Science	% Life Science	% Earth Science	% Physical Science	% Integrated/Coordinated Science	% Other Science
Alabama	115,786	--	--	2%	1%	82%	--
Alaska	21,429	--	--	--	--	--	--
Arizona	130,591	--	--	--	--	--	--
Arkansas	71,506	27%	35%	38%	1%	--	0.2%
California	855,771	58%	9%	1%	8%	--	9%
Colorado	108,145	--	--	--	--	--	--
Connecticut	82,091	40%	21%	7%	14%	14%	2%
Delaware	18,286	--	--	--	--	--	--
Dist. of Columbia	8,640	9%	45%	--	36%	--	16%
DoDEA	10,836	24%	2%	1%	0.05%	90%	1%
Florida	363,042	--	--	--	--	--	--
Georgia	211,720	--	--	--	--	--	--
Hawaii	26,949	--	--	--	--	--	--
Idaho	37,531	14%	36%	15%	22%	--	--
Illinois	297,509	--	--	--	--	--	--
Indiana	149,661	94%	0.2%	0.4%	0.2%	0.5%	--
Iowa	75,903	--	--	--	--	--	--
Kansas	74,065	--	--	--	--	--	--
Kentucky	98,197	--	6%	6%	--	86%	2%
Louisiana	117,623	10%	23%	19%	--	8%	1%
Maine	34,840	--	--	--	--	--	--
Maryland	125,553	--	--	--	--	--	--
Massachusetts	145,249	22%	16%	9%	10%	36%	2%
Michigan	247,917	--	--	--	--	--	--
Minnesota	135,298	--	34%	27%	12%	--	--
Mississippi	76,744	--	--	--	--	93%	--
Missouri	140,219	42%	27%	22%	5%	--	1%
Montana	25,978	--	--	--	--	--	--
Nebraska	45,092	20%	4%	7%	5%	--	2%
Nevada	46,984	9%	10%	14%	35%	4%	2%
New Hampshire	33,613	--	--	--	--	--	--
New Jersey	174,619	--	--	--	--	--	--
New Mexico	51,476	5%	10%	27%	16%	8%	5%
New York	404,702	12%	24%	12%	33%	8%	1%
North Carolina	192,362	--	0.003%	0.04%	0.4%	93%	--
North Dakota	18,318	--	48%	50%	--	--	--
Ohio	284,688	59%	5%	3%	1%	12%	0.5%
Oklahoma	95,773	6%	--	14%	2%	66%	0.3%
Oregon	85,423	12%	23%	20%	15%	24%	2%
Pennsylvania	281,387	--	--	--	--	--	--
Puerto Rico	97,478	96%	--	--	2%	--	--
Rhode Island	23,149	--	--	--	--	--	--
South Carolina	104,984	--	--	--	--	--	--
South Dakota	21,559	61%	8%	16%	2%	1%	--
Tennessee	135,152	90%	--	--	--	--	--
Texas	603,681	--	--	--	--	--	--
Utah	70,710	--	6%	3%	2%	87%	0.4%
Vermont	16,390	22%	24%	7%	16%	27%	1%
Virgin Islands	3,582	--	--	--	--	--	--
Virginia	170,323	--	--	--	--	--	--
Washington	155,341	--	--	--	--	--	--
West Virginia	45,620	--	--	--	--	96%	--
Wisconsin	136,482	42%	21%	16%	6%	1%	2%
Wyoming	15,745	25%	22%	19%	15%	4%	4%
NATION	7,121,712	38%	18%	11%	10%	#	#

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

Too few states reporting to impute national percent. Vermont: data includes imputation.

In several states, e.g., Minnesota, Nebraska, data from self-contained classrooms are not included in the totals.
 Source: State Departments of Education, Data on Public Schools, 1999-00; NCES, CCD Fall Membership 1998.
 Council of Chief State School Officers, State Education Assessment Center, Washington, DC, 2001.

Table 1.6
High School Biology and Chemistry Course Enrollments as a Percent of Students in
Grades 9-12, 2000

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	205,630	17%	--	1%	6%	3%	9%	--	0.4%	0.4%	
Alaska	38,394	--	--	--	--	--	--	--	--	--	
Arizona	224,867	--	--	--	--	--	--	--	--	--	
Arkansas	132,507	27%	2%	1%	2%	1%	16%	--	1%	--	
California	1,627,284	15%	3%	1%	2%	0.1%	8%	0.1%	1%	0.5%	
Colorado	197,136	--	--	--	--	--	--	--	--	--	
Connecticut	145,317	17%	11%	1%	6%	1%	13%	3%	1%	0.3%	
Delaware	33,307	--	--	--	--	--	--	--	--	--	
Dist. of Columbia	13,932	4%	18%	1%	2%	1%	19%	0.4%	--	1%	
DoDEA	14,961	28%	--	1%	2%	--	14%	--	1%	0.01%	
Florida	633,609	--	--	--	--	--	--	--	--	--	
Georgia	371,905	--	--	--	--	--	--	--	--	--	
Hawaii	53,338	--	--	--	--	--	--	--	--	--	
Idaho	76,118	27%	1%	--	2%	1%	10%	--	--	--	
Illinois	558,505	--	--	--	--	--	--	--	--	--	
Indiana	289,027	18%	8%	1%	3%	2%	10%	4%	1%	1%	
Iowa	155,834	25%	0.4%	1%	8%	2%	14%	1%	1%	1%	
Kansas	142,094	--	--	--	--	--	--	--	--	--	
Kentucky	188,371	25%	--	1%	6%	0%	16%	--	1%	1%	
Louisiana	205,393	25%	8%	0.3%	2%	1%	14%	--	0.2%	1%	
Maine	58,947	--	--	--	--	--	--	--	--	--	
Maryland	231,534	--	--	--	--	--	--	--	--	--	
Massachusetts	257,693	19%	4%	1%	4%	3%	13%	3%	1%	1%	
Michigan	448,867	--	--	--	--	--	--	--	--	--	
Minnesota	269,566	20%	--	--	4%	--	10%	--	--	2%	
Mississippi	130,815	28%	--	1%	22%	1%	12%	--	0.3%	1%	
Missouri	259,308	23%	6%	--	9%	2%	12%	--	--	3%	
Montana	50,348	--	--	--	--	--	--	--	--	--	
Nebraska	91,386	26%	7%	--	9%	--	16%	--	--	--	
Nevada	81,767	21%	3%	0.1%	5%	1%	12%	0.4%	0.2%	0.4%	
New Hampshire	57,924	--	--	--	--	--	--	--	--	--	
New Jersey	307,945	--	--	--	--	--	--	--	--	--	
New Mexico	96,268	20%	0.4%	1%	4%	1%	7%	1%	0.4%	1%	
New York	774,469	31%	0.2%	2%	0.4%	4%	16%	--	1%	1%	
North Carolina	333,983	26%	--	1%	7%	--	14%	--	1%	1%	
North Dakota	37,737	26%	1%	--	10%	2%	14%	--	--	1%	
Ohio	541,121	27%	--	1%	--	--	13%	--	1%	--	
Oklahoma	179,642	23%	1%	1%	8%	3%	9%	0.2%	1%	0.5%	
Oregon	162,272	17%	2%	1%	2%	1%	8%	1%	0.4%	0.5%	
Pennsylvania	535,400	--	--	--	--	--	--	--	--	--	
Puerto Rico	157,385	22%	--	--	--	--	14%	--	--	--	
Rhode Island	42,113	--	--	--	--	--	--	--	--	--	
South Carolina	186,742	--	--	--	--	--	--	--	--	--	
South Dakota	41,546	19%	1%	1%	9%	1%	14%	1%	1%	1%	
Tennessee	240,872	18%	4%	0.4%	2%	3%	11%	--	0.2%	0.4%	
Texas	1,077,158	27%	--	2%	0.04%	0.02%	14%	--	1%	0.1%	
Utah	147,857	32%	4%	2%	4%	2%	13%	1%	1%	1%	
Vermont	31,522	17%	5%	1%	3%	1%	11%	2%	0.4%	0.5%	
Virgin Islands	5,703	--	--	--	--	--	--	--	--	--	
Virginia	308,627	--	--	--	--	--	--	--	--	--	
Washington	302,103	--	--	--	--	--	--	--	--	--	
West Virginia	91,413	25%	0.2%	1%	11%	2%	9%	3%	1%	13%	
Wisconsin	278,839	26%	1%	1%	6%	--	14%	3%	1%	2%	
Wyoming	31,292	19%	1%	0.5%	2%	1%	9%	1%	0.4%	1%	
NATION	13,157,693	22%	4%	1%	4%	1%	12%	#	1%	1%	

-- Data not available. Vermont: data includes imputation; West Virginia: bio., chem., 1st yr. estimated from Integrated Science.
 #Too few states reporting to impute national percent.

Source: State Departments of Education, Data on Public Schools, 1999-00; NCES, CCD Fall Membership 1998.

Council of Chief State School Officers, State Education Assessment Center, Washington, DC, 2001.

Table 1.7
High School Physics and Earth Science Course Enrollments as a Percent of Students in
Grades 9-12, 2000

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	205,630	3%	--	0.3%	--	2%	--	0.2%
Alaska	38,394	--	--	--	--	--	--	--
Arizona	224,867	--	--	--	--	--	--	--
Arkansas	132,507	5%	3%	1%	1%	3%	--	--
California	1,627,284	3%	0.4%	1%	0.2%	2%	--	1%
Colorado	197,136	--	--	--	--	--	--	--
Connecticut	145,317	5%	3%	1%	0.1%	9%	1%	2%
Delaware	33,307	--	--	--	--	--	--	--
Dist. of Columbia	13,932	1%	0.3%	0.3%	0.4%	4%	--	0.2%
DoDEA	14,961	8%	--	1%	10%	--	3%	0.1%
Florida	633,609	--	--	--	--	--	--	--
Georgia	371,905	--	--	--	--	--	--	--
Hawaii	53,338	--	--	--	--	--	--	--
Idaho	76,118	4%	--	--	--	14%	--	1%
Illinois	558,505	--	--	--	--	--	--	--
Indiana	289,027	3%	2%	1%	0.3%	7%	2%	1%
Iowa	155,834	6%	--	0.3%	1%	8%	--	2%
Kansas	142,094	--	--	--	--	--	--	--
Kentucky	188,371	4%	--	0.3%	0.3%	3%	--	--
Louisiana	205,393	4%	1%	0.2%	0.01%	3%	--	0.2%
Maine	58,947	--	--	--	--	--	--	--
Maryland	231,534	--	--	--	--	--	--	--
Massachusetts	257,693	7%	2%	1%	0.4%	6%	1%	1%
Michigan	448,867	--	--	--	--	--	--	--
Minnesota	269,566	5%	0.1%	--	1%	2%	--	0.4%
Mississippi	130,815	3%	--	0.1%	0.1%	--	--	1%
Missouri	259,308	4%	--	--	1%	4%	--	1%
Montana	50,348	--	--	--	--	--	--	--
Nebraska	91,386	8%	0.1%	--	--	9%	--	--
Nevada	81,767	4%	1%	0.1%	0.1%	12%	--	1%
New Hampshire	57,924	--	--	--	--	--	--	--
New Jersey	307,945	--	--	--	--	--	--	--
New Mexico	96,268	2%	--	0.4%	0.4%	1%	--	2%
New York	774,469	7%	--	1%	1%	22%	--	2%
North Carolina	333,983	4%	--	0.3%	0.04%	12%	--	2%
North Dakota	37,737	6%	1%	--	--	0.1%	--	1%
Ohio	541,121	5%	--	0.4%	--	5%	--	--
Oklahoma	179,642	2%	0.2%	0.3%	0.1%	2%	--	0.1%
Oregon	162,272	4%	1%	0.2%	0.3%	3%	1%	0.3%
Pennsylvania	535,400	--	--	--	--	--	--	--
Puerto Rico	157,385	6%	--	--	--	8%	--	--
Rhode Island	42,113	--	--	--	--	--	--	--
South Carolina	186,742	--	--	--	--	--	--	--
South Dakota	41,546	5%	0.4%	0.3%	0.2%	1%	--	2%
Tennessee	240,872	2%	--	0.01%	--	2%	--	0.3%
Texas	1,077,158	5%	--	1%	0.03%	0.03%	--	3%
Utah	147,857	8%	1%	1%	0.04%	7%	0.2%	2%
Vermont	31,522	5%	2%	0.3%	0.5%	9%	1%	1%
Virgin Islands	5,703	--	--	--	--	--	--	--
Virginia	308,627	--	--	--	--	--	--	--
Washington	302,103	--	--	--	--	--	--	--
West Virginia	91,413	--	0.5%	0.2%	4%	0.3%	--	4%
Wisconsin	278,839	6%	2%	0.4%	1%	5%	--	2%
Wyoming	31,292	4%	1%	0.3%	0.4%	9%	0.4%	1%
NATION	13,157,693	5%	#	1%	0.5%	6%	#	1%

-- Data not available. Vermont: data includes imputation. #Too few states reporting to impute national percent.
Source: State Departments of Education, Data on Public Schools, 1999-00; NCES, CCD Fall Membership 1998.
Council of Chief State School Officers, State Education Assessment Center, Washington, DC, 2001.

Table 1.8**High School General, Physical, Integrated/Coordinated, Environmental, Technology, and Other Science Course Enrollments, and Computer Science Course Enrollments, as a Percent of Students in Grades 9-12, 2000**

State	Student Membership (Grades 9-12)	Other Science Courses						Computer Science			
		General Science	Physical Science	Integrated/Coordinated Science	Environ. Science	Technology	Other Science	Computer Science Prog. I	Advanced Comp. Sci./Prog. II	Comp. Sci. Advanced Placement	Comp. Sci./Comp. Prog. (Gr. 7-8)
Alabama	205,630	--	15%	--	2%	1%	--	1%	--	--	0.1%
Alaska	38,394	--	--	--	--	--	--	--	--	--	--
Arizona	224,867	--	--	--	--	--	--	--	--	--	--
Arkansas	132,507	2%	25%	--	--	--	7%	3%	--	0%	3%
California	1,627,284	2%	7%	11%	1%	0.002%	3%	1%	--	0.3%	1%
Colorado	197,136	--	--	--	--	--	--	--	--	--	--
Connecticut	145,317	8%	6%	3%	2%	0.3%	1%	1%	0.3%	0.3%	7%
Delaware	33,307	--	--	--	--	--	--	--	--	--	--
Dist. of Columbia	13,932	1%	0.01%	--	8%	1%	16%	--	--	--	--
DoDEA	14,961	--	3%	6%	2%	--	12%	4%	0.2%	0.3%	2%
Florida	633,609	--	--	--	--	--	--	--	--	--	--
Georgia	371,905	--	--	--	--	--	--	--	--	--	--
Hawaii	53,338	--	--	--	--	--	--	--	--	--	--
Idaho	76,118	1%	10%	--	2%	--	--	7%	--	2%	13%
Illinois	558,505	--	--	--	--	--	--	--	--	--	--
Indiana	289,027	1%	4%	1%	1%	--	0.02%	1%	0.1%	--	0.2%
Iowa	155,834	--	16%	4%	4%	1%	2%	2%	0.1%	0.1%	--
Kansas	142,094	--	--	--	--	--	--	--	--	--	--
Kentucky	188,371	--	9%	10%	0.5%	1%	8%	1%	0.4%	0.3%	--
Louisiana	205,393	2%	25%	0.1%	8%	0.04%	--	3%	0.2%	0.1%	0.3%
Maine	58,947	--	--	--	--	--	--	--	--	--	--
Maryland	231,534	--	--	--	--	--	--	--	--	--	--
Massachusetts	257,693	3%	9%	10%	3%	2%	10%	3%	1%	1%	2%
Michigan	448,867	--	--	--	--	--	--	--	--	--	--
Minnesota	269,566	--	12%	1%	2%	--	1%	1%	--	--	--
Mississippi	130,815	--	13%	--	3%	--	1%	1%	0.2%	0.03%	--
Missouri	259,308	4%	17%	--	2%	--	3%	2%	1%	--	3%
Montana	50,348	--	--	--	--	--	--	--	--	--	--
Nebraska	91,386	7%	15%	--	--	0.5%	6%	11%	4%	--	6%
Nevada	81,767	5%	2%	1%	4%	1%	3%	2%	0.3%	0.2%	0.2%
New Hampshire	57,924	--	--	--	--	--	--	--	--	--	--
New Jersey	307,945	--	--	--	--	--	--	--	--	--	--
New Mexico	96,268	3%	13%	2%	1%	1%	1%	1%	1%	0.1%	1%
New York	774,469	1%	0.4%	1%	4%	1%	8%	5%	0.1%	0.4%	21%
North Carolina	333,983	--	22%	--	5%	--	2%	1%	--	--	5%
North Dakota	37,737	0.3%	27%	--	--	0.2%	--	1%	0.3%	--	--
Ohio	541,121	0.4%	7%	15%	--	--	1%	3%	--	0.1%	5%
Oklahoma	179,642	1%	19%	--	2%	--	5%	3%	1%	0.3%	--
Oregon	162,272	3%	10%	6%	2%	1%	6%	7%	2%	0.5%	27%
Pennsylvania	535,400	--	--	--	--	--	--	--	--	--	--
Puerto Rico	157,385	20%	0.1%	--	--	--	--	--	--	--	--
Rhode Island	42,113	--	--	--	--	--	--	--	--	--	--
South Carolina	186,742	--	--	--	--	--	--	--	--	--	--
South Dakota	41,546	2%	19%	--	0.2%	--	--	2%	--	--	0.4%
Tennessee	240,872	--	19%	--	0%	3%	1%	--	--	--	--
Texas	1,077,158	--	--	20%	3%	0.02%	0.1%	2%	0.1%	1%	--
Utah	147,857	--	3%	13%	1%	1%	2%	3%	1%	0.2%	2%
Vermont	31,522	1%	6%	4%	4%	1%	4%	1%	0.3%	0%	2%
Virgin Islands	5,703	--	--	--	--	--	--	--	--	--	--
Virginia	308,627	--	--	--	--	--	--	--	--	--	--
Washington	302,103	--	--	--	--	--	--	--	--	--	--
West Virginia	91,413	--	--	68%	1%	2%	1%	1%	1%	0.1%	0%
Wisconsin	278,839	4%	13%	2%	3%	1%	7%	6%	2%	0.2%	15%
Wyoming	31,292	3%	6%	1%	4%	1%	3%	5%	1%	0.3%	7%
NATION	13,157,693	3%	11%	#	3%	#	4%	2%	#	#	#

-- Data not available. Vermont: data includes imputation. #Too few states reporting to impute national percent.

Source: State Departments of Education, Data on Public Schools, 1999-00; NCES, CCD Fall Membership 1998.

Council of Chief State School Officers, State Education Assessment Center, Washington, DC, 2001.

**Detailed State-Level Data on State Science-Mathematics Indicators
from the 1999-00 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, 2000**

	Mathematics Assignment			Certification			
	Total Math Teachers	Main %	2nd or 3rd %	Main Assignment % Certified	Main Assignment % Not Certified	2nd or 3rd Assignment % Certified	2nd or 3rd Assignment % Not Certified
Alabama	1,955	88%	12%	84%	4%	10%	2%
Alaska	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--
Arkansas	1,311	--	--	--	--	--	--
California	10,562	82%	18%	78%	3%	14%	4%
Colorado	1,460	96%	4%	--	--	--	--
Connecticut	1,831	81%	19%	80%	2%	17%	2%
Delaware	--	--	--	--	--	--	--
Dist. of Columbia	--	--	--	--	--	--	--
DoDEA	--	--	--	--	--	--	--
Florida	5,201	85%	15%	--	--	--	--
Georgia	3,061	97%	3%	89%	9%	1%	2%
Hawaii	--	--	--	--	--	--	--
Idaho	856	56%	44%	54%	0.5%	--	--
Illinois	--	--	--	--	--	--	--
Indiana	2,542	88%	12%	87%	2%	9%	3%
Iowa	1,389	--	--	--	--	--	--
Kansas	1,531	--	--	--	--	--	--
Kentucky	1,601	84%	16%	82%	1%	11%	5%
Louisiana	1,339	91%	9%	76%	15%	6%	3%
Maine	667	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
Massachusetts	2,980	89%	11%	81%	8%	5%	6%
Michigan	2,384	95%	5%	91%	--	5%	--
Minnesota	2,054	81%	19%	75%	6%	13%	6%
Mississippi	1,187	87%	13%	76%	10%	9%	5%
Missouri	2,341	86%	14%	72%	13%	8%	6%
Montana	--	--	--	--	--	--	--
Nebraska	1,237	86%	14%	81%	4%	8%	6%
Nevada	562	95%	5%	92%	3%	4%	2%
New Hampshire	759	--	--	--	--	--	--
New Jersey	4,566	85%	15%	85%	0%	15%	0%
New Mexico	--	--	--	--	--	--	--
New York	8,406	81%	19%	--	--	--	--
North Carolina	3,976	67%	33%	64%	3%	22%	11%
North Dakota	509	66%	34%	66%	0%	25%	0%
Ohio	3,645	95%	5%	98%	0.4%	7%	0.4%
Oklahoma	2,019	93%	7%	93%	0.1%	7%	0%
Oregon	1,067	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--
Puerto Rico	2,926	66%	34%	56%	10%	34%	0.3%
Rhode Island	422	100%	0%	100%	0%	0%	0%
South Carolina	--	--	--	--	--	--	--
South Dakota	481	72%	28%	72%	0.2%	27%	0.4%
Tennessee	2,033	--	--	--	--	--	--
Texas	24,103	33%	67%	28%	5%	47%	21%
Utah	692	89%	11%	82%	6%	7%	4%
Vermont	379	86%	14%	83%	3%	13%	1%
Virgin Islands	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
West Virginia	1,129	98%	2%	98%	0.1%	2%	0%
Wisconsin	2,412	92%	8%	92%	0%	8%	0%
Wyoming	265	91%	9%	91%	0%	9%	0%
NATION	133,945	73%	27%	68%	5%	18%	9%

-- Data not available; Main Assignment = Half time or more assigned to subject; 2nd or 3rd Assignment = Less than half time assigned to subject. New Jersey: grades 7-12; Oklahoma, Gen. Sec. = alternative schools; Vermont: data includes imputation. National totals include imputation for nonreporting states.

Note: Several state percentages include teachers with general secondary certification: Alabama - 65; California - 7979; Connecticut - 241; Oklahoma - 39; South Dakota - 25; Vermont - 78; Wyoming - 9.

Source: State Departments of Education, Data on Public Schools, 1999-00.

Council of Chief State School Officers, State Education Assessment Center, Washington, DC, 2001.

Table 2.2**Biology Teachers in Grades 9-12 by Time Assigned by Certification Status, 2000**

	Biology Assignment			Certification					
	Total Biology Teachers	Main %	2nd or 3rd %	Main Assignment			2nd or 3rd Assignment		
				% Certified	% Broad Field	% Not Certified	% Certified	% Broad Field	% Not Certified
Alabama	984	65%	35%	48%	15%	3%	20%	13%	2%
Alaska	--	--	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--
Arkansas	421	--	--	--	--	--	--	--	--
California	3,861	65%	35%	0%	61%	4%	0%	28%	7%
Colorado	1,366	96%	4%	--	--	--	--	--	--
Connecticut	849	61%	39%	59%	1%	2%	28%	7%	4%
Delaware	--	--	--	--	--	--	--	--	--
Dist. of Columbia	--	--	--	--	--	--	--	--	--
DoDEA	--	--	--	--	--	--	--	--	--
Florida	1,840	80%	20%	--	--	--	--	--	--
Georgia	1,295	88%	12%	37%	44%	7%	2%	7%	3%
Hawaii	--	--	--	--	--	--	--	--	--
Idaho	307	55%	45%	36%	19%	1%	22%	22%	1%
Illinois	--	--	--	--	--	--	--	--	--
Indiana	1,155	74%	26%	73%	1%	1%	22%	2%	2%
Iowa	634	--	--	--	--	--	--	--	--
Kansas	698	--	--	--	--	--	--	--	--
Kentucky	701	59%	41%	59%	0.3%	0.4%	37%	2%	2%
Louisiana	539	78%	22%	69%	0%	9%	16%	0%	6%
Maine	336	--	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--	--	--
Massachusetts	1,246	82%	18%	69%	9%	3%	10%	3%	5%
Michigan	547	96%	4%	87%	--	--	3%	--	--
Minnesota	862	68%	32%	62%	4%	2%	25%	2%	6%
Mississippi	767	70%	30%	60%	0%	10%	21%	0%	8%
Missouri	1,307	70%	30%	51%	0%	20%	19%	0%	11%
Montana	--	--	--	--	--	--	--	--	--
Nebraska	571	60%	40%	54%	0%	6%	34%	0%	7%
Nevada	247	81%	19%	77%	0%	4%	17%	0%	2%
New Hampshire	300	--	--	--	--	--	--	--	--
New Jersey	1,409	85%	15%	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--
New York	5,445	72%	28%	--	--	--	--	--	--
North Carolina	1,434	60%	40%	24%	35%	2%	10%	22%	9%
North Dakota	273	38%	62%	33%	5%	0%	43%	19%	0%
Ohio	1,511	69%	31%	60%	6%	2%	23%	5%	4%
Oklahoma	1,118	69%	31%	69%	0.1%	0%	30%	1%	0%
Oregon	317	--	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--	--	--
Puerto Rico	588	92%	8%	92%	0%	1%	8%	0%	0%
Rhode Island	175	100%	0%	100%	0%	0%	0%	0%	0%
South Carolina	--	--	--	--	--	--	--	--	--
South Dakota	255	38%	62%	27%	11%	0%	34%	28%	0.4%
Tennessee	866	--	--	--	--	--	--	--	--
Texas	5,573	48%	52%	41%	0%	7%	32%	0%	21%
Utah	326	79%	21%	73%	0%	6%	18%	0%	3%
Vermont	158	80%	20%	14%	63%	3%	2%	18%	0%
Virgin Islands	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--
West Virginia	239	100%	0.4%	100%	0%	0%	0.4%	0%	0%
Wisconsin	1,089	84%	16%	84%	0%	0%	16%	0%	0%
Wyoming	125	73%	27%	70%	3%	0%	25%	2%	0%
NATION	51,048	69%	31%	49%	16%	4%	18%	6%	7%

-- Data not available; Main Assignment = Half time or more assigned to subject; 2nd or 3rd Assignment = Less than half time assigned to subject. Colorado: Biology = all science; New Jersey: grades 7-12; 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: Alabama - 26; California - 337; Connecticut - 67; Oklahoma - 12; South Dakota - 5; Vermont - 36; Wyoming - 2.

Source: State Departments of Education, Data on Public Schools, 1999-00.

Council of Chief State School Officers, State Education Assessment Center, Washington, DC, 2001.

Table 2.3**Chemistry Teachers in Grades 9-12 by Time Assigned by Certification Status, 2000**

	Chemistry Assignment			Certification					
	Total Chemistry Teachers	Main %	2nd or 3rd %	% Certified	% Certified Broad Field	% Not Certified	% Certified	% Certified Broad Field	% Not Certified
Alabama	421	50%	50%	26%	23%	1%	13%	34%	3%
Alaska	--	--	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--
Arkansas	208	--	--	--	--	--	--	--	--
California	1,854	62%	38%	0%	55%	7%	0%	31%	7%
Colorado	--	--	--	--	--	--	--	--	--
Connecticut	454	56%	44%	54%	0.2%	1%	33%	4%	8%
Delaware	--	--	--	--	--	--	--	--	--
Dist. of Columbia	--	--	--	--	--	--	--	--	--
DoDEA	--	--	--	--	--	--	--	--	--
Florida	748	79%	21%	--	--	--	--	--	--
Georgia	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--
Idaho	142	35%	65%	19%	16%	0%	13%	51%	1%
Illinois	--	--	--	--	--	--	--	--	--
Indiana	640	75%	25%	73%	2%	0.5%	23%	2%	0.3%
Iowa	425	--	--	--	--	--	--	--	--
Kansas	439	--	--	--	--	--	--	--	--
Kentucky	423	52%	48%	48%	5%	0%	38%	8%	1%
Louisiana	208	68%	32%	57%	0%	12%	19%	0%	13%
Maine	208	--	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--	--	--
Massachusetts	756	83%	17%	69%	12%	2%	8%	6%	3%
Michigan	270	97%	3%	81%	--	--	3%	--	--
Minnesota	523	51%	49%	42%	5%	4%	32%	4%	12%
Mississippi	298	52%	48%	38%	0%	14%	28%	0%	20%
Missouri	665	47%	53%	34%	0%	12%	34%	0%	20%
Montana	--	--	--	--	--	--	--	--	--
Nebraska	330	33%	67%	29%	0%	4%	49%	0%	18%
Nevada	118	79%	21%	33%	0%	46%	6%	0%	15%
New Hampshire	93	--	--	--	--	--	--	--	--
New Jersey	781	82%	18%	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--
New York	2,182	72%	28%	--	--	--	--	--	--
North Carolina	663	60%	40%	16%	42%	2%	6%	29%	5%
North Dakota	177	16%	84%	9%	7%	0%	29%	55%	0%
Ohio	935	64%	36%	43%	19%	2%	21%	12%	2%
Oklahoma	508	34%	66%	34%	0%	0%	66%	0%	0.2%
Oregon	--	--	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--	--	--
Puerto Rico	366	84%	16%	80%	0%	5%	16%	0%	0%
Rhode Island	92	100%	0%	100%	0%	0%	0%	0%	0%
South Carolina	--	--	--	--	--	--	--	--	--
South Dakota	188	19%	81%	9%	10%	0%	12%	68%	1%
Tennessee	342	--	--	--	--	--	--	--	--
Texas	2,989	47%	53%	41%	0%	7%	39%	0%	14%
Utah	180	69%	31%	64%	0%	6%	24%	0%	7%
Vermont	111	59%	41%	10%	48%	2%	6%	34%	0%
Virgin Islands	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--
West Virginia	170	100%	0%	100%	0%	0%	0%	0%	0%
Wisconsin	623	68%	32%	68%	0%	0%	32%	0%	0%
Wyoming	64	56%	44%	47%	9%	0%	38%	6%	0%
NATION	25,931	61%	39%	45%	11%	5%	25%	6%	8%

-- Data not available; Main Assignment = Half time or more assigned to subject; 2nd or 3rd Assignment = Less than half time assigned to subject. New Jersey: grades 7-12; 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: Alabama - 3; California - 126; Connecticut - 18; South Dakota - 17; Vermont - 26.

Source: State Departments of Education, Data on Public Schools, 1999-00.

Council of Chief State School Officers, State Education Assessment Center, Washington, DC, 2001.

Table 2.4**Physics Teachers in Grades 9-12 by Time Assigned by Certification Status, 2000**

	Physics Assignment			Certification					
	Total Physics Teachers	Main %	2nd or 3rd %	% Certified	% Not Certified	% Broad Field	% Certified	% Not Certified	% Broad Field
Alabama	214	20%	80%	6%	14%	0.5%	9%	69%	2%
Alaska	--	--	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--
Arkansas	95	--	--	--	--	--	--	--	--
California	1,133	46%	54%	0%	44%	3%	0%	48%	6%
Colorado	--	--	--	--	--	--	--	--	--
Connecticut	261	54%	46%	46%	4%	5%	35%	4%	7%
Delaware	--	--	--	--	--	--	--	--	--
Dist. of Columbia	--	--	--	--	--	--	--	--	--
DoDEA	--	--	--	--	--	--	--	--	--
Florida	448	72%	28%	--	--	--	--	--	--
Georgia	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--
Idaho	102	13%	87%	6%	7%	0%	9%	75%	2%
Illinois	--	--	--	--	--	--	--	--	--
Indiana	411	39%	61%	35%	3%	1%	49%	10%	2%
Iowa	357	--	--	--	--	--	--	--	--
Kansas	324	--	--	--	--	--	--	--	--
Kentucky	217	18%	82%	12%	6%	0%	49%	29%	4%
Louisiana	88	49%	51%	40%	0%	9%	27%	0%	24%
Maine	161	--	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--	--	--
Massachusetts	473	77%	23%	64%	10%	3%	13%	6%	4%
Michigan	157	97%	3%	54%	--	--	1%	--	--
Minnesota	360	33%	67%	28%	3%	2%	45%	6%	17%
Mississippi	206	8%	92%	5%	0%	2%	42%	0%	50%
Missouri	428	20%	80%	15%	0%	5%	45%	0%	36%
Montana	--	--	--	--	--	--	--	--	--
Nebraska	283	17%	83%	14%	0%	3%	52%	0%	31%
Nevada	68	68%	32%	21%	0%	47%	4%	0%	28%
New Hampshire	49	--	--	--	--	--	--	--	--
New Jersey	379	76%	24%	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--
New York	1,294	61%	39%	--	--	--	--	--	--
North Carolina	352	26%	74%	9%	14%	3%	11%	52%	11%
North Dakota	119	9%	91%	5%	4%	0%	8%	82%	0%
Ohio	627	36%	64%	23%	11%	1%	34%	25%	5%
Oklahoma	246	16%	84%	16%	0%	0%	84%	0%	0%
Oregon	--	--	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--	--	--
Puerto Rico	259	75%	25%	73%	0%	2%	25%	0%	0%
Rhode Island	63	100%	0%	100%	0%	0%	0%	0%	0%
South Carolina	--	--	--	--	--	--	--	--	--
South Dakota	132	8%	92%	2%	6%	0%	6%	86%	0%
Tennessee	174	--	--	--	--	--	--	--	--
Texas	1,704	29%	71%	25%	0%	4%	53%	0%	18%
Utah	162	56%	44%	50%	0%	6%	33%	0%	10%
Vermont	86	55%	45%	10%	41%	3%	7%	38%	0%
Virgin Islands	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--
West Virginia	104	99%	1%	99%	0%	0%	1%	0%	0%
Wisconsin	405	41%	59%	41%	0%	0%	59%	0%	0%
Wyoming	46	28%	72%	17%	11%	0%	43%	28%	0%
NATION	15,853	43%	57%	32%	8%	3%	33%	13%	11%

-- Data not available; Main Assignment = Half time or more assigned to subject; 2nd or 3rd Assignment = Less than half time assigned to subject. New Jersey: grades 7-12; 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: Alabama - 8; California - 86; Connecticut - 20; South Dakota - 23; Vermont - 19; Wyoming - 2.

Source: State Departments of Education, Data on Public Schools, 1999-00.

Council of Chief State School Officers, State Education Assessment Center, Washington, DC, 2001.

Table 2.5

Earth Science Teachers in Grades 9-12 by Time Assigned by Certification Status, 2000

	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	154	32%	68%	5%	25%	3%	3%	61%	5%
Alaska	--	--	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--
Arkansas	0	--	--	--	--	--	--	--	--
California	617	39%	61%	0%	28%	12%	0%	39%	22%
Colorado	--	--	--	--	--	--	--	--	--
Connecticut	281	56%	44%	50%	1%	6%	20%	7%	17%
Delaware	--	--	--	--	--	--	--	--	--
Dist. of Columbia	--	--	--	--	--	--	--	--	--
DoDEA	--	--	--	--	--	--	--	--	--
Florida	728	72%	28%	--	--	--	--	--	--
Georgia	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--
Idaho	161	44%	56%	14%	17%	13%	7%	32%	17%
Illinois	--	--	--	--	--	--	--	--	--
Indiana	406	68%	32%	55%	12%	1%	14%	13%	5%
Iowa	214	--	--	--	--	--	--	--	--
Kansas	91	--	--	--	--	--	--	--	--
Kentucky	159	26%	74%	4%	19%	3%	11%	56%	7%
Louisiana	44	68%	32%	52%	0%	16%	11%	0%	20%
Maine	153	--	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--	--	--
Massachusetts	274	70%	30%	55%	14%	1%	14%	12%	4%
Michigan	97	96%	4%	56%	--	--	3%	--	--
Minnesota	120	38%	62%	17%	3%	18%	14%	3%	45%
Mississippi	101	15%	85%	11%	0%	4%	73%	0%	12%
Missouri	203	38%	62%	19%	0%	20%	24%	0%	37%
Montana	--	--	--	--	--	--	--	--	--
Nebraska	244	25%	75%	17%	0%	7%	46%	0%	29%
Nevada	105	85%	15%	25%	0%	60%	1%	0%	14%
New Hampshire	44	--	--	--	--	--	--	--	--
New Jersey	433	70%	30%	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--
New York	3,392	68%	32%	--	--	--	--	--	--
North Carolina	795	41%	59%	10%	28%	3%	11%	33%	15%
North Dakota	13	8%	92%	0%	8%	0%	23%	69%	0%
Ohio	347	49%	51%	32%	10%	7%	14%	20%	16%
Oklahoma	95	22%	78%	22%	0%	0%	72%	6%	0%
Oregon	--	--	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--	--	--
Puerto Rico	32	84%	16%	78%	0%	6%	16%	0%	0%
Rhode Island	4	100%	0%	100%	0%	0%	0%	0%	0%
South Carolina	--	--	--	--	--	--	--	--	--
South Dakota	43	30%	70%	0%	30%	0%	2%	67%	0%
Tennessee	64	--	--	--	--	--	--	--	--
Texas	726	29%	71%	20%	0%	9%	43%	0%	29%
Utah	92	47%	53%	32%	0%	15%	20%	0%	34%
Vermont	86	52%	48%	9%	40%	3%	5%	43%	0%
Virgin Islands	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--
West Virginia	130	98%	2%	98%	0%	0%	2%	0%	0%
Wisconsin	160	59%	41%	59%	0%	0%	41%	0%	0%
Wyoming	26	46%	54%	31%	15%	0%	27%	27%	0%
NATION	14,057	58%	42%	21%	31%	5%	14%	16%	12%

-- Data not available; Main Assignment = Half time or more assigned to subject; 2nd or 3rd Assignment = Less than half time assigned to subject. New Jersey: grades 7-12; 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: Alabama - 7; California - 56; Connecticut - 23; Oklahoma - 6; South Dakota - 5; Vermont - 17; Wyoming - 2.

Source: State Departments of Education, Data on Public Schools, 1999-00.

Council of Chief State School Officers, State Education Assessment Center, Washington, DC, 2001.

Table 2.6

Computer Science Teachers in Grades 9-12 by Time Assigned by Certification Status, 2000

	Computer Science Assignment			Certification			
	Total Computer Science Teachers	Main %	2nd or 3rd %	Main Assignment % Certified	% Not Certified	2nd or 3rd Assignment % Certified	% Not Certified
Alabama	59	24%	76%	24%	0%	75%	2%
Alaska	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--
Arkansas	69	--	--	--	--	--	--
California	463	28%	72%	2%	26%	6%	67%
Colorado	171	81%	19%	--	--	--	--
Connecticut	95	29%	71%	29%	0%	68%	2%
Delaware	--	--	--	--	--	--	--
Dist. of Columbia	--	--	--	--	--	--	--
DoDEA	--	--	--	--	--	--	--
Florida	342	61%	39%	--	--	--	--
Georgia	159	87%	13%	0%	87%	0%	13%
Hawaii	--	--	--	--	--	--	--
Idaho	192	32%	68%	3%	29%	6%	62%
Illinois	--	--	--	--	--	--	--
Indiana	155	30%	70%	8%	22%	17%	54%
Iowa	122	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Kentucky	87	17%	83%	10%	7%	54%	29%
Louisiana	61	64%	36%	43%	21%	16%	20%
Maine	233	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
Massachusetts	365	69%	31%	35%	35%	12%	18%
Michigan	177	97%	3%	29%	--	1%	--
Minnesota	116	14%	86%	14%	0%	85%	1%
Mississippi	286	42%	58%	13%	29%	21%	37%
Missouri	205	36%	64%	0%	36%	0%	64%
Montana	--	--	--	--	--	--	--
Nebraska	528	35%	65%	35%	0.2%	65%	0%
Nevada	160	82%	18%	0%	82%	0%	18%
New Hampshire	0	--	--	--	--	--	--
New Jersey	508	60%	40%	60%	0%	40%	0%
New Mexico	--	--	--	--	--	--	--
New York	1,681	48%	52%	--	--	--	--
North Carolina	149	28%	72%	9%	19%	11%	61%
North Dakota	16	6%	94%	6%	0%	94%	0%
Ohio	206	67%	33%	--	--	--	--
Oklahoma	222	38%	62%	38%	0%	62%	0%
Oregon	140	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--
Puerto Rico	--	--	--	--	--	--	--
Rhode Island	23	100%	0%	100%	0%	0%	0%
South Carolina	--	--	--	--	--	--	--
South Dakota	46	2%	98%	2%	0%	98%	0%
Tennessee	0	--	--	--	--	--	--
Texas	1,014	21%	79%	14%	7%	52%	27%
Utah	41	49%	51%	44%	5%	34%	17%
Vermont	38	55%	45%	53%	3%	45%	0%
Virgin Islands	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
West Virginia	62	100%	0%	98%	2%	0%	0%
Wisconsin	232	48%	52%	48%	0%	52%	0%
Wyoming	26	54%	46%	54%	0%	42%	0%
NATION#	8,449	46%	54%	24%	16%	34%	23%

-- Data not available; Main Assignment = Half time or more assigned to subject; 2nd or 3rd Assignment = Less than half time assigned to subject. New Jersey: grades 7-12; Oklahoma, Gen. Sec. = alternative schools; Vermont: data includes imputation.

Sum of reporting states.

Note: Several state percentages include teachers with general secondary certification: California - 35; Connecticut - 93; Oklahoma - 39; Rhode Island - 12; South Dakota - 3; Vermont - 3; Wyoming - 3.

Source: State Departments of Education, Data on Public Schools, 1999-00.

Council of Chief State School Officers, State Education Assessment Center, Washington, DC, 2001.

Table 2.7

General Science Teachers in Grades 9-12 by Time Assigned by Certification Status, 2000

	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	--	--	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--
Arkansas	84	--	--	--	--	--	--	--	--
California	475	46%	54%	0%	43%	3%	0%	45%	9%
Colorado	--	--	--	--	--	--	--	--	--
Connecticut	298	32%	68%	26%	2%	4%	40%	20%	9%
Delaware	--	--	--	--	--	--	--	--	--
Dist. of Columbia	--	--	--	--	--	--	--	--	--
DoDEA	--	--	--	--	--	--	--	--	--
Florida	13	46%	54%	--	--	--	--	--	--
Georgia	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--
Idaho	24	21%	79%	0%	13%	8%	0%	75%	4%
Illinois	--	--	--	--	--	--	--	--	--
Indiana	68	35%	65%	29%	6%	0%	34%	28%	3%
Iowa	--	--	--	--	--	--	--	--	--
Kansas	198	--	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--	--	--
Louisiana	28	61%	39%	43%	0%	18%	21%	0%	18%
Maine	--	--	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--	--	--
Massachusetts	433	76%	24%	53%	18%	4%	15%	3%	6%
Michigan	1,243	94%	6%	57%	--	--	4%	--	--
Minnesota	--	--	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--	--	--
Missouri	257	21%	79%	11%	0%	11%	32%	0%	47%
Montana	--	--	--	--	--	--	--	--	--
Nebraska	271	40%	60%	23%	0%	17%	30%	0%	31%
Nevada	80	80%	20%	51%	0%	29%	14%	0%	6%
New Hampshire	324	--	--	--	--	--	--	--	--
New Jersey	594	66%	34%	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--
New York	820	63%	37%	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--
North Dakota	10	0%	100%	0%	0%	0%	0%	100%	0%
Ohio	49	47%	53%	31%	8%	8%	33%	12%	8%
Oklahoma	63	30%	70%	30%	0%	0%	63%	6%	0%
Oregon	286	--	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--	--	--
Puerto Rico	449	58%	42%	56%	0%	2%	42%	0%	0%
Rhode Island	162	100%	0%	100%	0%	0%	0%	0%	0%
South Carolina	--	--	--	--	--	--	--	--	--
South Dakota	27	19%	81%	0%	19%	0%	0%	78%	4%
Tennessee	--	--	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--	--	--
Utah	0	--	--	--	--	--	--	--	--
Vermont	28	46%	54%	11%	32%	4%	0%	54%	0%
Virgin Islands	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--
Wisconsin	428	74%	26%	74%	0%	0%	26%	0%	0%
Wyoming	121	62%	38%	62%	0%	0%	36%	2%	0%
NATION#	10,552	65%	35%	45%	7%	4%	18%	8%	7%

-- Data not available; Main Assignment = Half time or more assigned to subject; 2nd or 3rd Assignment = Less than half time assigned to subject. New Jersey: grades 7-12; 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 - 53; Connecticut - 66; Oklahoma - 4; South Dakota - 1; Vermont - 6; Wyoming - 3.

Source: State Departments of Education, Data on Public Schools, 1999-00.

Council of Chief State School Officers, State Education Assessment Center, Washington, DC, 2001.

Table 2.8**Physical Science Teachers in Grades 9-12 by Time Assigned by Certification Status, 2000**

	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	633	48%	52%	0.3%	45%	2%	0.5%	47%	5%
Alaska	--	--	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--
Arkansas	0	--	--	--	--	--	--	--	--
California	1,532	51%	49%	39%	9%	3%	31%	12%	6%
Colorado	--	--	--	--	--	--	--	--	--
Connecticut	209	33%	67%	0%	32%	2%	0%	61%	6%
Delaware	--	--	--	--	--	--	--	--	--
Dist. of Columbia	--	--	--	--	--	--	--	--	--
DoDEA	--	--	--	--	--	--	--	--	--
Florida	758	62%	38%	--	--	--	--	--	--
Georgia	1,729	91%	9%	9%	66%	16%	0.1%	5%	4%
Hawaii	--	--	--	--	--	--	--	--	--
Idaho	141	30%	70%	9%	21%	1%	25%	44%	1%
Illinois	--	--	--	--	--	--	--	--	--
Indiana	276	37%	63%	17%	21%	0%	16%	43%	3%
Iowa	374	--	--	--	--	--	--	--	--
Kansas	230	--	--	--	--	--	--	--	--
Kentucky	307	30%	70%	21%	6%	4%	50%	14%	5%
Louisiana	332	65%	35%	44%	0%	21%	20%	0%	15%
Maine	106	--	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--	--	--
Massachusetts	192	64%	36%	0%	60%	3%	0%	31%	6%
Michigan	--	--	--	--	--	--	--	--	--
Minnesota	466	62%	38%	27%	3%	33%	15%	2%	21%
Mississippi	308	41%	59%	15%	0%	26%	23%	0%	36%
Missouri	688	47%	53%	0%	31%	17%	0%	31%	22%
Montana	--	--	--	--	--	--	--	--	--
Nebraska	339	6%	94%	4%	0%	1%	54%	0%	40%
Nevada	38	47%	53%	32%	0%	16%	32%	0%	21%
New Hampshire	46	--	--	--	--	--	--	--	--
New Jersey	532	71%	29%	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--
New York	1,852	63%	37%	--	--	--	--	--	--
North Carolina	1,136	44%	56%	1%	34%	9%	1%	36%	20%
North Dakota	237	26%	74%	1%	24%	0%	5%	69%	0%
Ohio	431	50%	50%	25%	13%	12%	25%	14%	11%
Oklahoma	636	54%	46%	54%	0.2%	0%	44%	2%	0.2%
Oregon	283	--	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--	--	--
Puerto Rico	9	44%	56%	44%	0%	0%	56%	0%	0%
Rhode Island	7	100%	0%	100%	0%	0%	0%	0%	0%
South Carolina	--	--	--	--	--	--	--	--	--
South Dakota	199	17%	83%	0%	17%	0%	2%	80%	1%
Tennessee	336	--	--	--	--	--	--	--	--
Texas	0	--	--	--	--	--	--	--	--
Utah	0	--	--	--	--	--	--	--	--
Vermont	45	67%	33%	9%	58%	0%	7%	27%	0%
Virgin Islands	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--	--	--
Wisconsin	323	64%	36%	64%	0%	0%	36%	0%	0%
Wyoming	26	38%	62%	0%	38%	0%	0%	62%	0%
NATION#	19,697	56%	44%	19%	26%	9%	16%	20%	10%

-- Data not available; Main Assignment = Half time or more assigned to subject; 2nd or 3rd Assignment = Less than half time assigned to subject. New Jersey: grades 7-12; 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: Alabama - 27; California - 121; Connecticut - 27; Oklahoma - 12; South Dakota - 16; Vermont - 9; Wyoming - 3.

Source: State Departments of Education, Data on Public Schools, 1999-00.

Council of Chief State School Officers, State Education Assessment Center, Washington, DC, 2001.

Table 2.9

Integrated Science Teachers in Grades 9-12 by Time Assigned by Certification Status, 2000

	Integrated Science Assignment			Certification					
	Total Integrated Science Teachers	Main %	2nd or 3rd %	% Certified	% Certified Broad Field	% Not Certified	% Certified	% Certified Broad Field	% Not Certified
Alabama	--	--	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--
Arkansas	--	--	--	--	--	--	--	--	--
California	1,923	61%	39%	0%	58%	3%	0%	33%	6%
Colorado	--	--	--	--	--	--	--	--	--
Connecticut	108	41%	59%	0%	40%	1%	0%	56%	3%
Delaware	--	--	--	--	--	--	--	--	--
Dist. of Columbia	--	--	--	--	--	--	--	--	--
DoDEA	--	--	--	--	--	--	--	--	--
Florida	599	67%	33%	--	--	--	--	--	--
Georgia	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--
Illinois	--	--	--	--	--	--	--	--	--
Indiana	68	28%	72%	--	--	--	--	--	--
Iowa	87	--	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--	--	--
Kentucky	288	31%	69%	0%	27%	4%	0%	64%	5%
Louisiana	3	33%	67%	0%	0%	33%	67%	0%	0%
Maine	119	--	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--	--	--
Massachusetts	244	55%	45%	0%	43%	11%	0%	21%	25%
Michigan	--	--	--	--	--	--	--	--	--
Minnesota	63	41%	59%	2%	0%	40%	10%	0%	49%
Mississippi	--	--	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--
New York	562	60%	40%	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--	--	--
Ohio	986	61%	39%	0%	0%	61%	0%	0%	39%
Oklahoma	--	--	--	--	--	--	--	--	--
Oregon	144	--	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--	--	--
Puerto Rico	--	--	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--	--
Texas	4,166	44%	56%	17%	0%	27%	15%	0%	40%
Utah	26	38%	62%	35%	0%	4%	31%	0%	31%
Vermont	26	58%	42%	8%	46%	4%	0%	35%	8%
Virgin Islands	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--
West Virginia	831	98%	2%	98%	0%	0%	2%	0%	0%
Wisconsin	--	--	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--	--	--
NATION#	10,243	56%	44%	18%	16%	21%	8%	11%	26%

-- Data not available; Main Assignment = Half time or more assigned to subject; 2nd or 3rd Assignment = Less than half time assigned to subject. Vermont: data includes imputation. # Sum of reporting states.

Note: General secondary certification included in broad field category: California - 114; Connecticut - 23; Vermont - 5.

Source: State Departments of Education, Data on Public Schools, 1999-00.

Council of Chief State School Officers, State Education Assessment Center, Washington, DC, 2001.

Table 2.10
Grades 7-8 Mathematics Teachers by Time Assigned by Certification Status, 2000

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	1,288	79%	21%	59%	19%	1%	13%	7%	0.3%
Alaska	--	--	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--
Arkansas	--	--	--	--	--	--	--	--	--
California	7,838	70%	30%	44%	22%	4%	11%	15%	4%
Colorado	893	89%	11%	--	--	--	--	--	--
Connecticut	1,214	65%	35%	34%	29%	1%	6%	27%	2%
Delaware	--	--	--	--	--	--	--	--	--
Dist. of Columbia	--	--	--	--	--	--	--	--	--
DoDEA	--	--	--	--	--	--	--	--	--
Florida	--	--	--	--	--	--	--	--	--
Georgia	1,441	92%	8%	15%	73%	5%	1%	5%	1%
Hawaii	--	--	--	--	--	--	--	--	--
Idaho	430	47%	53%	--	--	--	25%	23%	2%
Illinois	--	--	--	--	--	--	--	--	--
Indiana	1,521	83%	17%	78%	5%	1%	10%	3%	3%
Iowa	--	--	--	--	--	--	--	--	--
Kansas	388	--	--	--	--	--	--	--	--
Kentucky	1,048	73%	27%	53%	20%	0.3%	14%	12%	0.3%
Louisiana	439	79%	21%	68%	0%	11%	16%	0%	5%
Maine	460	--	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--	--	--
Massachusetts	2,419	85%	15%	46%	34%	5%	3%	7%	6%
Michigan	1,549	94%	6%	64%	--	--	5%	--	--
Minnesota	992	67%	33%	63%	0%	4%	28%	0%	6%
Mississippi	877	76%	24%	26%	49%	1%	8%	16%	0%
Missouri	1,443	75%	25%	49%	0%	26%	14%	0%	11%
Montana	--	--	--	--	--	--	--	--	--
Nebraska	148	97%	3%	91%	6%	0%	1%	2%	0%
Nevada	388	95%	5%	41%	53%	1%	1%	4%	1%
New Hampshire	109	--	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--
New York	6,600	73%	27%	--	--	--	--	--	--
North Carolina	3,441	25%	75%	20%	0.4%	4%	45%	2%	28%
North Dakota	434	60%	40%	40%	20%	0%	17%	23%	0%
Ohio	2,720	89%	11%	35%	48%	6%	5%	5%	2%
Oklahoma	1,332	54%	46%	26%	28%	0%	21%	24%	0%
Oregon	434	--	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--	--	--
Puerto Rico	2,036	77%	23%	64%	0%	13%	20%	0%	3%
Rhode Island	240	100%	0%	100%	0%	0%	0%	0%	0%
South Carolina	--	--	--	--	--	--	--	--	--
South Dakota	352	38%	62%	36%	1%	0%	57%	5%	0%
Tennessee	1,145	--	--	--	--	--	--	--	--
Texas	38,935	37%	63%	30%	0%	8%	38%	0%	24%
Utah	643	90%	10%	84%	0%	7%	6%	0%	3%
Vermont	304	72%	28%	37%	34%	2%	8%	18%	2%
Virgin Islands	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--
West Virginia	880	97%	3%	97%	0%	0%	3%	0%	0%
Wisconsin	1,323	85%	15%	85%	0%	0%	15%	0%	0%
Wyoming	157	82%	18%	74%	8%	0%	15%	3%	0%
NATION	124,864	59%	41%	42%	10%	7%	24%	5%	12%

-- 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.

Oklahoma: Gen. Sec. = alternative schools; Texas: % not certified includes elem./middle; Vermont: data includes imputation.

National totals include imputation for nonreporting states.

Source: State Departments of Education, Data on Public Schools, 1999-00.

Council of Chief State School Officers, State Education Assessment Center, Washington, DC, 2001.

Table 2.11
Grades 7-8 Science Teachers by Time Assigned by Certification Status, 2000

	Science Assignment			Certification					
	Total Teachers (Grades 7-8)	Main %	2nd or 3rd %	Main Assignment		2nd or 3rd Assignment			
				% Certified Science	% Certified Elem./Middle	% Not Certified	% Certified Science	% Certified Elem./Middle	% Not Certified
Alabama	1,162	80%	20%	63%	15%	2%	14%	6%	0.2%
Alaska	--	--	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--
Arkansas	--	--	--	--	--	--	--	--	--
California	6,723	75%	25%	50%	20%	5%	8%	13%	3%
Colorado	787	90%	10%	--	--	--	--	--	--
Connecticut	1,013	75%	25%	42%	32%	1%	3%	20%	2%
Delaware	--	--	--	--	--	--	--	--	--
Dist. of Columbia	--	--	--	--	--	--	--	--	--
DoDEA	--	--	--	--	--	--	--	--	--
Florida	--	--	--	--	--	--	--	--	--
Georgia	1,099	93%	7%	18%	69%	7%	1%	5%	2%
Hawaii	--	--	--	--	--	--	--	--	--
Idaho	386	59%	41%	42%	16%	1%	23%	16%	2%
Illinois	--	--	--	--	--	--	--	--	--
Indiana	1,381	86%	14%	82%	2%	1%	9%	2%	3%
Iowa	--	--	--	--	--	--	--	--	--
Kansas	923	--	--	--	--	--	--	--	--
Kentucky	951	77%	23%	50%	27%	0.3%	12%	11%	0.2%
Louisiana	456	81%	19%	66%	0%	15%	11%	0%	8%
Maine	388	--	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--	--	--
Massachusetts	2,310	88%	12%	48%	35%	5%	3%	5%	4%
Michigan	1,243	96%	4%	57%	--	--	3%	--	--
Minnesota	961	75%	25%	58%	0%	17%	15%	0%	10%
Mississippi	801	73%	27%	36%	37%	0.4%	8%	18%	0.1%
Missouri	1,391	80%	20%	43%	0%	37%	9%	0%	11%
Montana	--	--	--	--	--	--	--	--	--
Nebraska	143	98%	2%	72%	26%	0%	1%	1%	0%
Nevada	301	95%	5%	55%	38%	1%	2%	3%	0.3%
New Hampshire	--	--	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--	--	--
New York	4,816	75%	25%	--	--	--	--	--	--
North Carolina	2,816	43%	57%	32%	0.4%	10%	27%	1%	30%
North Dakota	364	39%	61%	26%	13%	0%	40%	22%	0%
Ohio	2,375	90%	10%	34%	53%	5%	3%	6%	1%
Oklahoma	1,251	58%	42%	37%	20%	0%	22%	21%	0%
Oregon	414	--	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--	--	--
Puerto Rico	1,253	86%	14%	85%	0%	2%	13%	0%	0.3%
Rhode Island	226	100%	0%	100%	0%	0%	0%	0%	0%
South Carolina	--	--	--	--	--	--	--	--	--
South Dakota	309	46%	54%	44%	2%	0%	44%	9%	0%
Tennessee	1,237	--	--	--	--	--	--	--	--
Texas	23,403	48%	52%	39%	0%	9%	29%	0%	23%
Utah	527	94%	6%	72%	0%	21%	3%	0%	3%
Vermont	265	82%	18%	42%	37%	3%	5%	11%	3%
Virgin Islands	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--
West Virginia	693	98%	2%	98%	0%	0%	2%	0%	0%
Wisconsin	1,188	85%	15%	85%	0%	0%	15%	0%	0%
Wyoming	149	78%	22%	73%	6%	0%	21%	1%	0%
NATION	92,912	68%	32%	50%	11%	7%	19%	1%	13%

-- 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.

Oklahoma: Gen. Sec. = alternative schools; Texas: % not certified includes elem./middle; Vermont: data includes imputation.

National totals include imputation for nonreporting states.

Source: State Departments of Education, Data on Public Schools, 1999-00.

Council of Chief State School Officers, State Education Assessment Center, Washington, DC, 2001.

Table 2.12
Age of Science and Mathematics Teachers, Grades 9-12, 2000

	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	1,955	23%	57%	20%	984	22%	61%	17%	421	19%	61%	20%	214	22%	58%	20%
Alaska	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Arkansas	1,311	14%	51%	36%	421	14%	54%	32%	208	14%	56%	29%	95	16%	58%	26%
California	10,562	16%	49%	35%	3,861	17%	51%	32%	1,854	14%	55%	31%	1,133	12%	56%	32%
Colorado	1,460	18%	56%	26%	1,366	15%	58%	27%	--	--	--	--	--	--	--	--
Connecticut	1,831	12%	44%	44%	849	12%	49%	39%	454	8%	50%	42%	261	5%	50%	44%
Delaware	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dist. of Columbia	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DoDEA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Florida	5,201	15%	54%	31%	1,840	16%	53%	31%	748	16%	51%	34%	448	14%	52%	34%
Georgia	3,061	23%	55%	22%	1,295	25%	54%	21%	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Idaho	856	14%	55%	31%	307	18%	54%	28%	142	14%	48%	38%	102	12%	55%	33%
Illinois	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indiana	2,542	19%	50%	31%	1,155	17%	51%	33%	640	18%	53%	29%	411	14%	50%	36%
Iowa	1,389	18%	50%	32%	634	17%	54%	29%	425	19%	48%	34%	357	14%	51%	35%
Kansas	1,531	21%	50%	29%	698	23%	51%	26%	439	21%	51%	26%	324	21%	48%	30%
Kentucky	1,601	26%	56%	18%	701	23%	60%	17%	423	25%	56%	20%	217	24%	55%	21%
Louisiana	1,339	--	--	--	539	--	--	--	208	--	--	--	88	--	--	--
Maine	667	13%	53%	33%	336	14%	58%	27%	208	12%	59%	29%	161	8%	56%	36%
Maryland	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	2,980	14%	47%	40%	1,246	16%	45%	38%	756	12%	42%	46%	473	16%	41%	43%
Michigan	2,384	9%	44%	47%	547	8%	44%	48%	270	9%	45%	46%	157	9%	43%	48%
Minnesota	2,054	18%	49%	32%	862	18%	54%	29%	523	17%	52%	30%	360	15%	54%	31%
Mississippi	1,187	20%	56%	25%	767	23%	54%	23%	298	19%	51%	30%	206	17%	49%	34%
Missouri	2,341	19%	50%	31%	1,307	17%	57%	26%	665	16%	54%	30%	428	13%	57%	31%
Montana	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nebraska	1,237	19%	50%	32%	571	16%	57%	26%	330	17%	55%	28%	283	13%	54%	33%
Nevada	562	16%	57%	27%	247	17%	60%	23%	118	11%	74%	15%	68	15%	59%	26%
New Hampshire	759	14%	43%	43%	300	11%	55%	33%	93	10%	46%	44%	49	8%	43%	49%
New Jersey	4,566	24%	61%	14%	1,409	28%	58%	14%	781	19%	61%	20%	379	21%	58%	21%
New Mexico	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
New York	8,406	15%	48%	37%	5,445	17%	51%	32%	2,182	15%	52%	33%	1,294	11%	51%	38%
North Carolina	3,976	25%	48%	26%	1,434	27%	52%	21%	663	23%	48%	29%	352	17%	50%	33%
North Dakota	509	9%	55%	36%	273	15%	53%	32%	177	14%	47%	38%	119	12%	45%	44%
Ohio	3,645	18%	49%	33%	1,511	18%	46%	35%	935	14%	49%	38%	627	10%	48%	42%
Oklahoma	2,019	15%	58%	22%	1,118	17%	58%	19%	508	14%	56%	26%	246	11%	55%	30%
Oregon	1,067	13%	62%	25%	317	13%	56%	31%	--	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Puerto Rico	2,926	5%	75%	20%	588	1%	73%	26%	366	5%	75%	21%	259	3%	75%	22%
Rhode Island	422	11%	55%	34%	175	10%	56%	34%	92	7%	52%	41%	63	6%	59%	35%
South Carolina	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
South Dakota	481	17%	49%	34%	255	15%	51%	33%	188	15%	52%	34%	132	13%	49%	38%
Tennessee	2,033	--	--	--	866	--	--	--	342	--	--	--	174	--	--	--
Texas	24,103	--	--	--	5,573	--	--	--	2,989	--	--	--	1,704	--	--	--
Utah	692	16%	56%	28%	326	14%	55%	32%	180	16%	56%	28%	162	14%	52%	33%
Vermont	379	15%	54%	31%	158	13%	47%	39%	111	8%	46%	46%	86	5%	56%	40%
Virgin Islands	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
West Virginia	1,129	8%	62%	31%	239	5%	50%	44%	170	8%	50%	42%	104	9%	60%	32%
Wisconsin	2,412	18%	51%	31%	1,089	17%	52%	31%	623	15%	56%	30%	405	14%	55%	31%
Wyoming	265	10%	55%	35%	125	5%	60%	35%	64	8%	55%	38%	46	11%	50%	39%
NATION	133,945	15%	58%	27%	51,048	18%	55%	28%	25,931	15%	55%	30%	15,853	13%	54%	32%

Colorado: Biology = all science; New Jersey: grades 7-12; Vermont: data includes imputation.

-- Data not available.

National totals include imputation for nonreporting states.

Source: State Departments of Education, Data on Public Schools, 1999-00.

Council of Chief State School Officers, State Education Assessment Center, Washington, DC, 2001.

Table 2.13
Gender of Science and Mathematics Teachers, Grades 9-12, 2000

	Math			Biology			Chemistry			Physics		
	Total Teachers	% Male	% Female	Total Teachers	% Male	% Female	Total Teachers	% Male	% Female	Total Teachers	% Male	% Female
Alabama	1,955	32%	68%	984	37%	63%	421	35%	65%	214	45%	55%
Alaska	--	--	--	--	--	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--	--
Arkansas	1,311	39%	61%	421	42%	58%	208	46%	54%	95	58%	42%
California	10,562	60%	39%	3,861	57%	43%	1,854	63%	36%	1,133	81%	18%
Colorado	1,460	51%	49%	1,366	61%	39%	--	--	--	--	--	--
Connecticut	1,831	45%	55%	849	49%	51%	454	59%	41%	261	80%	20%
Delaware	--	--	--	--	--	--	--	--	--	--	--	--
Dist. of Columbia	--	--	--	--	--	--	--	--	--	--	--	--
DoDEA	--	--	--	--	--	--	--	--	--	--	--	--
Florida	5,201	41%	59%	1,840	46%	54%	748	51%	49%	448	73%	27%
Georgia	3,061	30%	70%	1,295	34%	66%	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--	--
Idaho	856	60%	40%	307	70%	30%	142	73%	27%	102	74%	26%
Illinois	--	--	--	--	--	--	--	--	--	--	--	--
Indiana	2,542	53%	47%	1,155	61%	39%	640	59%	41%	411	76%	24%
Iowa	1,389	58%	42%	634	68%	32%	425	68%	32%	357	76%	24%
Kansas	1,531	45%	39%	698	56%	31%	439	62%	29%	324	72%	22%
Kentucky	1,601	37%	63%	701	41%	59%	423	44%	56%	217	63%	37%
Louisiana	1,339	--	--	539	--	--	208	--	--	88	--	--
Maine	667	58%	42%	336	54%	46%	208	62%	38%	161	81%	19%
Maryland	--	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	2,980	52%	48%	1,246	50%	50%	756	54%	46%	473	78%	22%
Michigan	2,384	54%	46%	547	65%	35%	270	72%	28%	157	80%	20%
Minnesota	2,054	59%	41%	862	61%	39%	523	68%	32%	360	82%	18%
Mississippi	1,187	29%	71%	767	37%	63%	298	43%	57%	206	48%	52%
Missouri	2,341	41%	59%	1,307	49%	51%	665	50%	50%	428	66%	34%
Montana	--	--	--	--	--	--	--	--	--	--	--	--
Nebraska	1,237	54%	46%	571	63%	37%	330	67%	33%	283	72%	28%
Nevada	562	57%	43%	247	56%	44%	118	43%	57%	68	76%	24%
New Hampshire	759	42%	58%	300	49%	51%	93	53%	47%	49	80%	20%
New Jersey	4,566	39%	61%	1,409	47%	53%	781	56%	44%	379	78%	22%
New Mexico	--	--	--	--	--	--	--	--	--	--	--	--
New York	8,406	48%	52%	5,445	50%	50%	2,182	57%	43%	1,294	79%	21%
North Carolina	3,976	34%	66%	1,434	36%	64%	663	43%	57%	352	65%	35%
North Dakota	509	60%	40%	273	63%	37%	177	68%	32%	119	75%	25%
Ohio	3,645	51%	49%	1,511	54%	46%	935	57%	43%	627	73%	27%
Oklahoma	2,019	43%	57%	1,118	56%	44%	508	54%	46%	246	65%	35%
Oregon	1,067	64%	36%	317	68%	32%	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--	--	--	--	--	--
Puerto Rico	2,926	47%	53%	588	33%	67%	366	35%	65%	259	44%	56%
Rhode Island	422	44%	56%	175	46%	54%	92	54%	46%	63	73%	27%
South Carolina	--	--	--	--	--	--	--	--	--	--	--	--
South Dakota	481	54%	46%	255	66%	34%	188	61%	39%	132	66%	34%
Tennessee	2,033	--	--	866	--	--	342	--	--	174	--	--
Texas	24,103	40%	60%	5,573	45%	55%	2,989	45%	55%	1,704	61%	39%
Utah	692	58%	42%	326	69%	31%	180	71%	29%	162	77%	23%
Vermont	379	49%	51%	158	65%	35%	111	69%	31%	86	92%	8%
Virgin Islands	--	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--	--
West Virginia	1,129	40%	60%	239	53%	47%	170	56%	44%	104	68%	32%
Wisconsin	2,412	58%	42%	1,089	67%	33%	623	66%	34%	405	78%	22%
Wyoming	265	65%	35%	125	77%	23%	64	80%	20%	46	89%	11%
NATION	133,945	45%	55%	51,048	50%	50%	25,931	54%	46%	15,853	71%	29%

Colorado: Biology = all science; New Jersey: grades 7-12; Vermont: data includes imputation.

-- Data not available.

National totals include imputation for nonreporting states.

Source: State Departments of Education, Data on Public Schools, 1999-00.

Council of Chief State School Officers, State Education Assessment Center, Washington, DC, 2001.

Table 2.14

Race/Ethnicity of Teachers Assigned in Mathematics and Biology, Grades 9-12, 2000

	Math						Biology					
	Total Teachers	% Hispanic	% White	% Afr.-Am.	% Asian	% Am. Ind.	Total Teachers	% Hispanic	% White	% Afr.-Am.	% Asian	% Am. Ind.
Alabama	1,955	0.1%	81%	16%	0.3%	0.2%	984	0%	81%	16%	0.2%	1%
Alaska	--	--	--	--	--	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--	--
Arkansas	1,311	0.1%	90%	9%	0.3%	0.4%	421	0%	90%	10%	0%	0.2%
California	10,562	10%	75%	5%	8%	1%	3,861	8%	79%	4%	7%	1%
Colorado	1,460	3%	94%	1%	1%	0.2%	1,366	4%	94%	1%	1%	1%
Connecticut	1,831	1%	91%	3%	1%	0.2%	849	2%	91%	3%	1%	0.1%
Delaware	--	--	--	--	--	--	--	--	--	--	--	--
Dist. of Columbia	--	--	--	--	--	--	--	--	--	--	--	--
DoDEA	--	--	--	--	--	--	--	--	--	--	--	--
Florida	5,201	7%	78%	14%	1%	0.4%	1,840	5%	82%	12%	1%	0.3%
Georgia	3,061	0.3%	80%	18%	1%	0.2%	1,295	0.2%	79%	20%	1%	0.1%
Hawaii	--	--	--	--	--	--	--	--	--	--	--	--
Idaho	856	1%	99%	0%	1%	0%	307	1%	98%	0.3%	0.3%	1%
Illinois	--	--	--	--	--	--	--	--	--	--	--	--
Indiana	2,542	0.4%	96%	3%	1%	0.04%	1,155	0.4%	97%	3%	0%	0%
Iowa	1,389	0.1%	99%	0.1%	0.3%	0.1%	634	0.2%	98%	0.5%	0.3%	1%
Kansas	1,531	0.5%	96%	1%	0.3%	0.5%	698	1%	96%	1%	0.4%	0.3%
Kentucky	1,601	0.2%	98%	2%	0%	0.1%	701	0.4%	96%	3%	0.1%	0%
Louisiana	1,339	--	--	--	--	--	539	--	--	--	--	--
Maine	667	1%	98%	0.1%	0.1%	0.3%	336	0.3%	99%	0%	0%	0%
Maryland	--	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	2,980	3%	92%	4%	2%	0.2%	1,246	2%	92%	4%	2%	0.1%
Michigan	2,384	1%	90%	8%	1%	1%	547	1%	96%	2%	0.2%	1%
Minnesota	2,054	0.1%	98%	1%	1%	0.4%	862	0.1%	98%	1%	1%	0.5%
Mississippi	1,187	0.2%	78%	21%	0.3%	0%	767	0%	76%	24%	0.4%	0%
Missouri	2,341	0.3%	94%	5%	0.4%	0.1%	1,307	0.2%	95%	4%	0.3%	0.1%
Montana	--	--	--	--	--	--	--	--	--	--	--	--
Nebraska	1,237	1%	99%	0.2%	0.1%	0.1%	571	0.4%	98%	1%	0.4%	0.2%
Nevada	562	2%	91%	3%	2%	0.4%	247	4%	90%	3%	1%	0.4%
New Hampshire	759	--	--	--	--	--	300	--	--	--	--	--
New Jersey	4,566	3%	90%	5%	2%	0.1%	1,409	3%	91%	4%	2%	0.1%
New Mexico	--	--	--	--	--	--	--	--	--	--	--	--
New York	8,406	--	--	--	--	--	5,445	--	--	--	--	--
North Carolina	3,976	0.2%	85%	14%	0.5%	1%	1,434	0.4%	84%	14%	0.3%	1%
North Dakota	509	0%	100%	0%	0%	0%	273	0.4%	98%	0%	0%	1%
Ohio	3,645	0.2%	96%	4%	1%	0%	1,511	0.1%	95%	4%	0.3%	0.1%
Oklahoma	2,019	0.2%	94%	2%	0.3%	3%	1,118	1%	93%	2%	1%	3%
Oregon	1,067	1%	96%	1%	2%	1%	317	2%	95%	1%	3%	0.3%
Pennsylvania	--	--	--	--	--	--	--	--	--	--	--	--
Puerto Rico	2,926	100%	0%	0%	0%	0%	588	100%	0%	0%	0%	0%
Rhode Island	422	2%	95%	2%	0.2%	0.5%	175	3%	93%	3%	1%	0%
South Carolina	--	--	--	--	--	--	--	--	--	--	--	--
South Dakota	481	0%	100%	0%	0%	0.2%	255	0%	99%	0%	0%	1%
Tennessee	2,033	--	--	--	--	--	866	--	--	--	--	--
Texas	24,103	13%	78%	7%	1%	0.2%	5,573	13%	77%	9%	1%	0.4%
Utah	692	0.4%	97%	0.3%	1%	0.4%	326	1%	99%	0%	0%	0%
Vermont	379	0%	98%	1%	1%	1%	158	0%	100%	0%	0%	0%
Virgin Islands	--	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--	--
West Virginia	1,129	0.1%	98%	2%	0.2%	0.1%	239	0%	97%	2%	0%	0%
Wisconsin	2,412	1%	97%	1%	1%	0.3%	1,089	1%	97%	2%	0.4%	0.1%
Wyoming	265	0.4%	99%	0%	0.4%	0.4%	125	1%	98%	0%	1%	0%
NATION	133,945	6%	85%	6%	2%	0.3%	51,048	6%	86%	6%	1%	0.4%

Colorado: Biology = all science; New Jersey: grades 7-12; Vermont: data includes imputation.

-- Data not available.

National totals include imputation for nonreporting states.

Source: State Departments of Education, Data on Public Schools, 1999-00.

Council of Chief State School Officers, State Education Assessment Center, Washington, DC, 2001.

Table 2.15

Race/Ethnicity of Teachers Assigned in Chemistry and Physics, Grades 9-12, 2000

	Chemistry						Physics					
	Total Teachers	% Hispanic	% White	% Afr.-Am.	% Asian	% Am. Ind.	Total Teachers	% Hispanic	% White	% Afr.-Am.	% Asian	% Am. Ind.
Alabama	421	0.2%	82%	15%	0.2%	0.5%	214	0%	87%	10%	0.5%	0%
Alaska	--	--	--	--	--	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--	--	--	--	--	--
Arkansas	208	0%	95%	5%	0%	0%	95	0%	91%	9%	0%	0%
California	1,854	7%	80%	4%	8%	1%	1,133	4%	85%	2%	6%	1%
Colorado	--	--	--	--	--	--	--	--	--	--	--	--
Connecticut	454	2%	91%	2%	2%	0%	261	1%	92%	1%	2%	1%
Delaware	--	--	--	--	--	--	--	--	--	--	--	--
Dist. of Columbia	--	--	--	--	--	--	--	--	--	--	--	--
DoDEA	--	--	--	--	--	--	--	--	--	--	--	--
Florida	748	7%	81%	9%	3%	0.3%	448	7%	88%	4%	1%	0%
Georgia	--	--	--	--	--	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--	--	--	--	--	--
Idaho	142	1%	99%	0%	1%	0%	102	0%	100%	0%	0%	0%
Illinois	--	--	--	--	--	--	--	--	--	--	--	--
Indiana	640	1%	97%	2%	1%	0%	411	0.2%	98%	1%	1%	0%
Iowa	425	0.5%	98%	0.5%	0.5%	0.2%	357	1%	99%	0%	0.3%	0%
Kansas	439	1%	97%	1%	0.5%	0.5%	324	1%	98%	0.3%	0.3%	0.3%
Kentucky	423	0.5%	98%	1%	0.2%	0%	217	0.5%	100%	0%	0%	0%
Louisiana	208	--	--	--	--	--	88	--	--	--	--	--
Maine	208	0%	100%	0%	0%	0.5%	161	0%	100%	0%	0%	0%
Maryland	--	--	--	--	--	--	--	--	--	--	--	--
Massachusetts	756	2%	93%	3%	2%	0.1%	473	1%	95%	2%	1%	0.4%
Michigan	270	0.4%	97%	1%	1%	0%	157	1%	97%	1%	1%	0%
Minnesota	523	0%	98%	1%	1%	0.2%	360	0.3%	98%	0%	1%	1%
Mississippi	298	0.3%	73%	26%	0.3%	0%	206	0.5%	77%	22%	0.5%	0%
Missouri	665	0.3%	96%	3%	1%	0%	428	0.5%	97%	2%	0.2%	0%
Montana	--	--	--	--	--	--	--	--	--	--	--	--
Nebraska	330	1%	98%	1%	0%	0%	283	1%	99%	0%	0%	0%
Nevada	118	2%	96%	0%	3%	0%	68	0%	99%	0%	0%	0%
New Hampshire	93	--	--	--	--	--	49	--	--	--	--	--
New Jersey	781	1%	93%	3%	3%	0.1%	379	1%	96%	1%	2%	0.3%
New Mexico	--	--	--	--	--	--	--	--	--	--	--	--
New York	2,182	--	--	--	--	--	1,294	--	--	--	--	--
North Carolina	663	0.2%	89%	10%	0.5%	1%	352	0.3%	95%	3%	1%	1%
North Dakota	177	1%	98%	0%	0%	1%	119	0%	99%	0%	0%	1%
Ohio	935	0.2%	96%	4%	0.4%	0.2%	627	0%	98%	2%	0.2%	0%
Oklahoma	508	0.4%	95%	1%	0.4%	4%	246	2%	95%	1%	0%	2%
Oregon	--	--	--	--	--	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--	--	--	--	--	--
Puerto Rico	366	100%	0%	0%	0%	0%	259	100%	0%	0%	0%	0%
Rhode Island	92	1%	92%	3%	1%	0%	63	5%	92%	0%	2%	2%
South Carolina	--	--	--	--	--	--	--	--	--	--	--	--
South Dakota	188	0%	98%	0%	1%	1%	132	0%	99%	0%	1%	0%
Tennessee	342	--	--	--	--	--	174	--	--	--	--	--
Texas	2,989	11%	81%	6%	2%	0.5%	1,704	8%	87%	3%	2%	0.4%
Utah	180	0%	99%	0%	1%	1%	162	1%	99%	0%	0%	0%
Vermont	111	0%	100%	0%	0%	0%	86	0%	100%	0%	0%	0%
Virgin Islands	--	--	--	--	--	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--	--	--	--	--	--
West Virginia	170	0%	98%	1%	1%	1%	104	0%	100%	0%	0%	0%
Wisconsin	623	1%	97%	1%	1%	0.5%	405	0%	100%	0%	0.2%	0.2%
Wyoming	64	2%	98%	0%	0%	0%	46	0%	100%	0%	0%	0%
NATION	25,931	5%	89%	4%	2%	0.4%	15,853	4%	92%	2%	1%	0.4%

New Jersey: grades 7-12; Vermont: data includes imputation.

-- Data not available.

National totals include imputation for nonreporting states.

Source: State Departments of Education, Data on Public Schools, 1999-00.

Council of Chief State School Officers, State Education Assessment Center, Washington, DC, 2001.