

# Use of Technology

	STANDARDS		INTERNET			E-LEARNING			
	State standards for students include technology (2004-05)	State tests students on technology (2004-05)	Percent of schools where at least half the teachers use the Internet for instruction (2004)			State has established a virtual school (2004-05)	State has at least one cyber charter school (2004-05)	State requires teachers of online courses to receive training in online instruction (2004-05)	State requires at least one face-to-face meeting between students in online courses and their teachers (2004-05)
			Statewide	High-poverty schools	High-minority schools				
Alabama	✓		82%	81%	83%	✓		✓	
Alaska	✓		78	76	79	✓	✓		
Arizona	✓		77	—	70	✓	✓		
Arkansas	✓		72	72	73	✓			
California	✓		66	61	64		✓		
Colorado	✓		73	60	60	✓	✓		
Connecticut	✓		75	—	58				
Delaware	✓		—	—	—				
District of Columbia	✓		80	—	—				
Florida	✓		71	68	71	✓			
Georgia	✓		82	79	80	✓		✓ <sup>2</sup>	
Hawaii	✓	Pilot	74	77	—	✓	✓		✓
Idaho	✓		82	88	—	✓	✓		
Illinois	✓		80	74	73	✓		✓ <sup>2</sup>	
Indiana	✓		75	73	70				
Iowa	✓		79	63	—	✓			
Kansas	✓		78	76	83		✓	✓	
Kentucky	✓		87	89	—	✓		✓ <sup>2</sup>	
Louisiana	✓		77	78	77	✓		✓ <sup>2</sup>	
Maine	✓		81	94	—				
Maryland	✓		75	75	74	✓		✓ <sup>2</sup>	
Massachusetts	✓		73	71	70				
Michigan	✓		77	73	62	✓			
Minnesota			76	71	78		✓		
Mississippi	2005-06		78	74	75	✓		✓ <sup>2</sup>	
Missouri	✓		81	79	69				
Montana	✓		79	65	—				
Nebraska	✓		85	78	—				
Nevada	✓		66	55	54		✓		
New Hampshire	✓		75	—	—		✓		
New Jersey	✓		81	78	76	Pilot			
New Mexico	✓		77	78	76	✓ <sup>1</sup>	✓		
New York	✓	✓	72	60	62				
North Carolina	✓	✓	81	78	77				
North Dakota	✓		87	88	—	✓			
Ohio	✓		77	78	72		✓		✓
Oklahoma	✓		72	71	72				
Oregon	✓		72	66	57		✓		
Pennsylvania	✓	2007-08	73	62	62		✓		
Rhode Island	✓		80	—	—				
South Carolina	✓		83	83	83				✓
South Dakota			88	79	—			✓ <sup>3</sup>	
Tennessee	✓		74	—	—				
Texas	✓		78	74	74				
Utah	✓	✓	68	68	—	✓			
Vermont	✓		73	—	—				
Virginia	✓		84	86	82	✓			
Washington	✓		72	66	68	✓			✓
West Virginia	✓		78	76	—	✓		✓ <sup>2</sup>	
Wisconsin	✓		81	64	63		✓		
Wyoming	✓		85	86	—		✓	✓ <sup>3</sup>	
<b>U.S.</b>	<b>48</b>	<b>3</b>	<b>77%</b>	<b>73%</b>	<b>71%</b>	<b>22</b>	<b>16</b>	<b>2</b>	<b>4</b>

NOTE: A dash (—) indicates that data were not available. See Page 80 for data sources and notes.

<sup>1</sup>Budget cuts have limited the capacity of the New Mexico Virtual School and forced it to rely on federal funds.

<sup>2</sup>State reports that only teachers in state virtual schools are required to receive training in online instruction. State does not count in U.S. total.

<sup>3</sup>South Dakota requires training only for those teachers using the state-provided online-course software. Wyoming requires training only for those teachers who participate in the Wyoming Equality Network, a program that provides videoconferencing courses for students. States do not count in U.S. total.

E-LEARNING		COMPUTER-BASED ASSESSMENTS						
Percent of schools offering distance-learning programs for teachers (2004)	Percent of schools offering distance-learning programs for students (2004)	State offers computer-based assessments (2004-05)	Computer-based tests are available to ALL students in the grade(s) and subject(s) in which those tests are offered (2004-05)	Computer-based tests are administered over the Internet (2004-05)	Computer-based tests are adaptive, meaning the level of difficulty changes based on prior answers (2004-05)	Computer-based tests include multimedia features such as sound or video clips (2004-05)	Computer-based tests include open-ended questions (2004-05)	
22%	20%							Alabama
49	45							Alaska
23	18							Arizona
23	25	✓ <sup>4</sup>		✓ <sup>4</sup>				Arkansas
16	13							California
23	22	Pilot		Pilot				Colorado
16	11							Connecticut
—	—							Delaware
19	19	Pilot		Pilot	Pilot			District of Columbia
34	25							Florida
29	26	✓	✓	✓				Georgia
52	41							Hawaii
23	23	✓	✓	✓	✓			Idaho
19	16							Illinois
34	32	✓	✓	✓			✓	Indiana
47	44							Iowa
27	27	✓	✓	✓		✓		Kansas
28	26	✓ <sup>5</sup>		✓ <sup>5</sup>			✓ <sup>5</sup>	Kentucky
22	19							Louisiana
31	25	✓	✓	✓			✓	Maine
12	10	✓ <sup>6</sup>		✓ <sup>6</sup>	✓ <sup>6</sup>			Maryland
22	16							Massachusetts
29	28							Michigan
19	18	Pilot		Pilot		Pilot		Minnesota
26	24	✓ <sup>7</sup>	✓ <sup>7</sup>	✓ <sup>7</sup>	✓ <sup>7</sup>	✓ <sup>7</sup>	✓ <sup>7</sup>	Mississippi
23	24							Missouri
27	21							Montana
44	45							Nebraska
24	21							Nevada
22	15							New Hampshire
33	32							New Jersey
32	30							New Mexico
20	19							New York
28	22	✓ <sup>8</sup>	✓ <sup>8</sup>	Pilot <sup>8</sup>			✓ <sup>8</sup>	North Carolina
43	45							North Dakota
35	35							Ohio
30	32	✓	✓	✓				Oklahoma
21	20	✓	✓	✓	✓			Oregon
24	22							Pennsylvania
12	10							Rhode Island
49	38	Pilot		Pilot				South Carolina
67	67	✓	✓	✓	✓			South Dakota
12	11							Tennessee
36	33							Texas
30	25	✓	✓	✓				Utah
31	25							Vermont
29	25	✓	✓	✓	✓ <sup>9</sup>	✓ <sup>10</sup>		Virginia
24	22							Washington
28	28	✓	✓	✓			✓	West Virginia
32	32							Wisconsin
46	36	2005-06		2005-06				Wyoming
<b>28%</b>	<b>25%</b>	<b>16</b>	<b>13</b>	<b>15</b>	<b>6</b>	<b>3</b>	<b>6</b>	<b>U.S.</b>

<sup>4</sup>In Arkansas, computer-based tests are offered only to vocational education students.

<sup>5</sup>In Kentucky, the CATS Online assessment—which includes open-ended questions—is available only for students with disabilities as an accommodation option. An online pilot of the KCCT High School Prototype will be administered to a select group of students, both with and without disabilities in 10th grade reading and 11th grade social studies. An online pilot will also be conducted for the Kentucky Occupational Skill Standards Assessment for selected career/technical education students.

<sup>6</sup>Maryland's online test is available only for students retaking the test.

<sup>7</sup>Mississippi administers an online test for students retaking the test. In addition, the Student Progress Monitoring System is offered to all school districts. That system is an online, adaptive test that includes open-ended questions and multimedia features.

<sup>8</sup>The North Carolina Online Test of Computer Skills is being piloted this year as an online test and includes open-ended questions. The N.C. Tests of Computer Skills are currently required for all 8th graders, is not available online, and contains open-ended questions.

<sup>9</sup>In Virginia, the adaptive test is for at-risk students only. The computer-based Algebra Readiness Diagnostic Test is administered to students identified as at risk of failing the Algebra 1 end-of-course test.

<sup>10</sup>In Virginia, selected online Standards of Learning end-of-course tests are available in an audio version for students with disabilities or students with limited proficiency in English who require such an accommodation.