

# Technology Leaders: Grading the States

States can be technology leaders by providing students with access to computers and the Internet, by ensuring teachers and administrators have the training and qualifications to use technology effectively, and by putting in place policies that make innovative use of technology. Looking at key indicators across these categories, the EPE Research Center graded the states to identify those that have been leading the way in educational technology and those that have been less active at the state level.

OVERALL TECHNOLOGY GRADE			ACCESS TO TECHNOLOGY (1/3 OF GRADE)				USE OF TECHNOLOGY (1/3 OF GRADE)				
			Students per instructional computer (2005)	Students per instructional computer located in classrooms (2004)	Students per high-speed Internet-connected computer (2005)	Students per Internet-connected computer located in classrooms (2004)	State standards for students include technology (2005-06)	State tests students on technology (2005-06)	State has established a virtual school (2005-06)		
1st Quintile	West Virginia	A	94	3.0	5.7	3.0	5.9	✓	✓		
	Virginia	A-	92	3.1	6.3	3.0	6.5	✓	✓		
	North Dakota	B	86	2.9	6.1	3.0	6.2	✓	✓		
	Wyoming	B	86	2.4	5.1	2.3	5.1	✓			
	Georgia	B	85	3.8	6.5	3.9	6.9	✓	✓		
	Idaho	B	85	3.6	6.5	3.8	7.0	✓	✓		
	Kentucky	B	85	3.8	7.4	4.1	8.0	✓	✓		
	Kansas	B	84	2.7	5.8	2.7	6.0	✓			
	Texas	B	84	3.4	6.8	3.4	7.0	✓			
	Nebraska	B	83	3.0	6.2	2.9	6.5	✓			
2nd Quintile	Maine	B-	82	1.9	3.8	2.0	4.1	✓			
	Arkansas	B-	81	3.6	7.4	3.7	7.5	✓	✓		
	Florida	B-	81	3.5	6.7	3.6	7.0	✓	✓		
	Iowa	B-	81	3.3	7.0	3.3	7.3	✓	✓		
	Ohio	B-	80	3.5	5.8	3.5	6.0	✓			
	Washington	B-	80	3.9	7.0	4.0	7.4	✓	✓		
	New Mexico	C+	79	3.6	6.1	3.5	7.2	✓	✓		
	Maryland	C+	79	4.8	8.5	4.8	9.5	✓	✓		
	Indiana	C+	77	3.4	7.3	3.5	7.7	✓			
	New York	C+	77	4.2	8.2	4.3	9.0	✓	✓		
3rd Quintile	Missouri	C+	77	3.5	6.4	3.3	6.5	✓			
	Wisconsin	C	76	3.2	7.6	3.3	7.9	✓			
	Alaska	C	76	2.7	7.2	3.0	7.4	✓	✓		
	South Dakota	C	76	1.8	3.5	1.8	4.0				
	Alabama	C	76	4.7	8.4	4.9	8.9	✓	✓		
	North Carolina	C	76	4.0	8.3	4.1	8.6	✓	✓		
	New Jersey	C	75	3.7	7.0	3.6	7.6	✓			
	Arizona	C	75	4.5	7.8	4.6	8.3	✓	✓ <sup>1</sup>		
	Tennessee	C	75	4.0	7.2	3.9	7.6	✓			
	Pennsylvania	C	75	3.5	8.3	3.4	8.3	✓			
4th Quintile	Connecticut	C	74	4.0	8.1	3.6	8.8	✓			
	Michigan	C	74	3.7	9.4	3.7	9.8	✓	✓		
	Louisiana	C	74	4.4	8.5	4.5	9.7	✓	✓		
	Illinois	C	74	3.8	8.0	3.8	8.5	✓	✓		
	Vermont	C	73	3.5	7.9	3.3	8.2	✓			
	District of Columbia	C	73	3.5	7.0	3.9	7.5	✓			
	Montana	C	73	2.7	6.5	2.9	7.5	✓			
	Utah	C	73	5.2	14.3	5.6	13.9	✓	✓		
	South Carolina	C-	72	3.7	7.3	3.7	7.5	✓			
	Mississippi	C-	72	4.6	7.7	4.7	8.4		✓		
5th Quintile	New Hampshire	C-	72	5.2	9.5	4.4	10.4	✓			
	Delaware	C-	72	4.5	6.8	4.9	7.2	✓			
	California	C-	72	5.1	9.4	5.3	10.2	✓			
	Colorado	C-	71	4.2	10.4	4.5	11.1	✓	✓		
	Oklahoma	C-	70	3.9	7.1	3.9	7.5	✓			
	Hawaii	D+	69	4.9	7.6	4.8	7.3	✓	✓		
	Massachusetts	D+	69	3.6	8.7	4.1	9.3	✓			
	Oregon	D	66	4.5	10.5	4.8	11.8	✓			
	Rhode Island	D	65	5.0	8.9	4.7	8.3	✓			
	Minnesota	D	65	3.8	10.1	3.9	10.1				
Nevada	D-	62	5.0	13.1	5.2	12.2	✓				
<b>U.S.</b>			<b>C+</b>	<b>77</b>	<b>3.8</b>	<b>7.6</b>	<b>3.9</b>	<b>8.0</b>	<b>48</b>	<b>4</b>	<b>22</b>

FOOTNOTES:

- <sup>1</sup> Arizona is testing 25,000 5th and 8th graders on basic technology skills this year.
- <sup>2</sup> North Dakota requires coursework in technology for principals only.
- <sup>3</sup> California requires technology-related professional development for principals of low-performing schools only.

CAPACITY TO USE TECHNOLOGY (1/3 OF GRADE)							
State offers computer-based assessments (2005-06)	State standards include technology for (2005-06):		Requirements for an initial license include technology coursework or a test for (2005-06):		State requires technology training or a technology test for recertification, or requires participation in technology-related professional development for (2005-06):		
	Teachers	Administrators	Teachers	Administrators	Teachers	Administrators	
	✓	✓	✓	✓	✓	✓	
✓	✓	✓	✓	✓	✓		Virginia
		✓	✓	✓	✓ <sup>2</sup>		North Dakota
✓	✓				✓	✓	Wyoming
✓	✓	✓	✓	✓	✓		Georgia
✓	✓	✓	✓	✓	✓		Idaho
✓	✓	✓	✓	✓	✓	✓	Kentucky
✓	✓	✓	✓				Kansas
✓	✓	✓	✓	✓	✓		Texas
✓	✓	✓	✓	✓			Nebraska
✓	✓						Maine
✓	✓				✓	✓	Arkansas
		✓		✓			Florida
		✓	✓	✓			Iowa
		✓	✓	✓			Ohio
		✓	✓	✓	✓		Washington
		✓	✓				New Mexico
✓	✓	✓	✓	✓	✓		Maryland
✓	✓	✓	✓				Indiana
	✓	✓	✓	✓	✓		New York
	✓	✓	✓				Missouri
	✓	✓	✓	✓			Wisconsin
							Alaska
✓							South Dakota
	✓	✓			✓	✓	Alabama
✓	✓		✓	✓			North Carolina
	✓	✓	✓				New Jersey
	✓	✓					Arizona
✓	✓	✓					Tennessee
	✓	✓	✓				Pennsylvania
	✓	✓	✓		✓		Connecticut
✓	✓						Michigan
	✓	✓	✓	✓			Louisiana
	✓		✓	✓			Illinois
✓							Vermont
							District of Columbia
✓							Montana
✓							Utah
	✓				✓		South Carolina
✓	✓	✓					Mississippi
	✓	✓			✓	✓	New Hampshire
	✓	✓					Delaware
	✓	✓	✓			✓ <sup>3</sup>	California
✓		✓					Colorado
							Oklahoma
							Hawaii
✓	✓	✓					Massachusetts
✓							Oregon
✓	✓						Rhode Island
							Minnesota
							Nevada
<b>22</b>	<b>40</b>	<b>33</b>	<b>21</b>	<b>9</b>	<b>9</b>	<b>6</b>	<b>U.S.</b>