

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			
			Percent of students with computer in classroom (2005)	Percent of students with computer in lab/media center (2005)	Students per instructional computer (2006)	Students per high-speed Internet-connected computer (2006)	State standards for students include technology (2006-07)	State tests students on technology (2006-07)		
1st Quintile	Georgia	A	96	64.0%	85.0%	3.8	3.7	✓	✓	
	South Dakota	A-	91	59.0	83.0	2.0	1.9	✓		
	Virginia	A-	91	63.0	88.5	3.1	3.0	✓		
	Florida	B+	87	58.5	79.5	3.3	3.2	✓		
	West Virginia	B	86	68.5	86.5	3.2	3.0	✓		
	Idaho	B	86	53.0	78.0	3.3	3.3	✓		
	Kentucky	B	86	56.0	84.0	3.9	3.8	✓		
	Texas	B	83	53.5	86.5	3.5	3.4	✓		
	North Carolina	B-	82	55.5	87.0	3.9	3.8	✓	✓	
	Arkansas	B-	81	40.5	80.0	3.8	3.8	✓		
2nd Quintile	Oklahoma	B-	81	39.5	78.5	3.5	3.4	✓		
	Kansas	B-	81	52.0	80.5	2.6	2.6	✓		
	Wyoming	B-	81	56.5	89.0	2.5	2.6	✓		
	South Carolina	B-	80	50.5	92.5	3.8	3.6	✓		
	Louisiana	B-	80	68.0	76.0	4.1	4.3	✓		
	North Dakota	C+	79	51.5	82.0	3.1	3.1	✓		
	Maryland	C+	79	45.0	80.5	4.5	4.4	✓		
	Maine	C+	78	67.0	62.5	2.1	1.9	✓		
	Arizona	C+	78	39.5	71.0	4.7	4.3	✓	✓ ¹	
	Indiana	C+	78	51.5	84.0	3.3	3.3	✓		
3rd Quintile	Pennsylvania	C+	78	52.5	79.5	3.4	3.2	✓		
	Illinois	C+	78	44.0	77.0	4.0	3.9	✓		
	Alaska	C+	78	41.5	68.5	3.2	3.3	✓		
	Nebraska	C	76	47.0	78.0	3.0	2.8	✓		
	Ohio	C	76	60.5	68.5	3.5	3.4	✓		
	Utah	C	76	29.5	85.0	5.4	5.3	✓	✓	
	Wisconsin	C	76	40.0	83.5	3.0	3.1	✓		
	Tennessee	C	75	65.0	72.0	4.1	4.1	✓		
	Connecticut	C	75	42.0	76.0	3.8	3.5	✓		
	Vermont	C	75	45.5	66.0	3.1	3.1	✓		
Michigan	C	74	41.5	78.0	4.1	3.8	✓			
4th Quintile	New Mexico	C	74	47.0	76.5	3.0	3.1	✓		
	Iowa	C	74	37.5	74.5	3.2	3.3			
	Alabama	C	74	55.0	78.5	4.8	4.8	✓		
	Mississippi	C	73	54.0	73.0	5.0	5.0			
	Minnesota	C	73	34.5	84.0	3.7	3.7	✓		
	New Hampshire	C	73	44.0	64.0	4.6	4.1	✓		
	Washington	C-	72	44.5	67.5	3.5	3.6	✓		
	New Jersey	C-	72	58.5	76.5	3.9	3.6	✓		
	New York	C-	72	49.0	74.0	4.3	4.1	✓		
	Montana	C-	72	48.0	77.5	3.0	2.9	✓		
5th Quintile	Colorado	C-	72	40.5	73.5	4.1	4.1	✓		
	Massachusetts	C-	71	47.0	76.0	3.8	3.4	✓		
	Missouri	C-	71	46.5	74.5	3.5	3.5	✓		
	California	C-	70	44.0	60.0	5.1	5.0	✓		
	Delaware	D+	69	55.5	64.5	5.2	4.9	✓		
	Hawaii	D+	68	32.5	62.5	4.5	4.5	✓		
	Oregon	D	66	35.0	73.5	4.5	4.4	✓		
	Rhode Island	D	65	44.0	55.0	5.0	4.6	✓		
	Nevada	D	65	37.0	81.5	4.7	4.6	✓		
	District of Columbia	D	63	67.5	62.5	4.3	4.2			
U.S.	C+	77	49.5%	77.0%	3.8	3.7	48	4		

NOTES: State grades are not comparable with those in last year's report because of changes in two access indicators and improvements in the scoring for indicators related to teacher and administrator licensure. For more details, see Sources and Notes on Page 50. Overall technology scores are rounded to the nearest whole number.

(1/3 OF GRADE)			CAPACITY TO USE TECHNOLOGY (1/3 OF GRADE)						
	State has established a virtual school (2006-07)	State offers computer-based assessments (2006-07)	State standards include technology (2006-07):		Requirements for an initial license include technology coursework or a test (2006-07):		State requires technology training or testing for recertification, or requires participation in technology-related professional development (2006-07):		
			Teachers	Administrators	Teachers	Administrators	Teachers	Administrators	
	✓	✓	✓	✓	✓	✓	✓	✓	1st Quintile
	✓	✓	✓	✓	✓	✓			
	✓	✓	✓	✓	✓	✓			
	✓	✓	✓	✓	✓	✓			
	✓	✓	✓	✓	✓	✓			
	✓	✓	✓	✓	✓	✓			
	✓	✓	✓	✓	✓	✓			
	✓	✓	✓	✓	✓	✓	✓		
	✓	✓	✓	✓	✓	✓			
	✓	✓	✓				✓	✓	
	✓	✓	✓	✓	✓				2nd Quintile
	✓	✓	✓	✓					
		✓	✓						
	✓		✓				✓		
	✓		✓	✓				✓	
			✓	✓	✓	✓			
	✓		✓	✓					
		✓	✓						
	✓	✓	✓	✓					
	✓	✓	✓	✓					
	✓		✓	✓	✓				3rd Quintile
	✓		✓	✓	✓				
	✓		✓	✓					
			✓	✓					
	✓	✓	✓	✓					
			✓	✓					
		✓	✓	✓					
		✓	✓	✓					
	✓		✓	✓					
	✓	✓	✓	✓					
	✓		✓	✓					4th Quintile
	✓		✓	✓	✓		✓		
	✓		✓	✓					
	✓	✓	✓	✓					
		✓	✓	✓					
			✓	✓			✓	✓	
			✓	✓			✓		
			✓	✓					
			✓	✓	✓				
			✓	✓					
	✓		✓	✓					5th Quintile
			✓	✓					
			✓	✓					
			✓	✓	✓			✓ ²	
			✓	✓					
	✓		✓						
		✓	✓						
			✓						
			✓						
			✓						
	23	23	45	36	19	9	9	5	U.S.

FOOTNOTES:
¹Arizona is testing 25,000 5th and 8th graders on basic technology skills this year.
²California requires technology-related professional development for principals of low-performing schools only.