



Utah State Board of Education

Utah State Board of Education Release of the 2015-16 School Year SAGE English Language Arts, Mathematics, and Science Assessment Results

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Utah SAGE Statewide Test Results, School Year 2015-16

In the 2015-16 school year, statewide tests were given in grades 3-11 in the subject areas of English Language Arts (ELA), Mathematics (Math), and Science. In ELA the percent of students who scored at proficiency or advanced proficiency levels (levels 3 and 4) remained the same as in the previous school year at 44.1% proficient, while Math increased from 44.6% to 46.5% and Science increased from 46.8% to 48.7%.

Table 1: Utah SAGE Statewide Results, School Year 2015-16

Subject Area	Number Proficient	Number Tested	Percent Proficient
ELA	176,234	399,899	44.1%
Math	182,098	391,964	46.5%
Science	165,867	340,830	48.7%

Table 2: Utah SAGE Statewide Results, School Years 2013-14 to 2015-16

Subject Area	2013-14 Tested	2014-15 Tested	2015-16 Tested	2013-14 Prof.	2014-15 Prof.	2015-16 Prof.	Percentage Point Change ⁱ	Percent Change
ELA	388,698	395,372	399,899	41.6%	44.1%	44.1%	0.0 pp	0.0%
Math	369,536	389,463	391,964	38.7%	44.6%	46.5%	1.9 pp	4.3%
Science	331,247	340,710	340,830	43.6%	46.8%	48.7%	1.9 pp	4.1%

Table 3: Utah SAGE Statewide Results by Test, School Years 2013-14 to 2015-16

Subject Area	Test	2013-14 Count	2014-15 Count	2015-16 Count	2013-14 Prof.	2014-15 Prof.	2015-16 Prof.	Percentage Point Change ⁱ	Percent Change
ELA	3rd Grade ELA	47,058	48,151	49,583	44.4%	45.6%	47.5%	1.9 pp	4.2%
	4th Grade ELA	47,014	46,828	48,251	41.8%	42.2%	42.6%	0.4 pp	0.9%
	5th Grade ELA	46,563	46,792	46,679	41.9%	45.1%	47.4%	2.3 pp	5.1%
	6th Grade ELA	45,040	46,009	46,401	43.1%	45.1%	47.6%	2.5 pp	5.5%
	7th Grade ELA	43,985	44,372	45,403	42.5%	43.5%	43.9%	0.4 pp	0.9%
	8th Grade ELA	43,395	43,528	43,736	41.1%	42.7%	42.4%	-0.3 pp	-0.7%
	9th Grade ELA	41,952	42,073	42,397	39.8%	44.9%	41.0%	-3.9 pp	-8.7%
	10th Grade ELA	38,674	40,402	40,438	40.6%	46.6%	44.8%	-1.8 pp	-3.9%
	11th Grade ELA	35,017	37,217	37,011	38.3%	41.0%	37.6%	-3.4 pp	-8.3%
Math	3rd Grade Math	47,097	48,365	49,587	44.3%	50.1%	53.3%	3.2 pp	6.4%
	4th Grade Math	47,059	47,013	48,221	47.5%	50.9%	52.3%	1.4 pp	2.8%
	5th Grade Math	46,587	46,966	46,598	43.7%	49.0%	50.0%	1.0 pp	2.0%
	6th Grade Math	45,015	46,036	46,262	35.2%	38.3%	41.3%	3.0 pp	7.8%
	7th Grade Math	43,161	43,537	43,906	43.1%	46.0%	47.9%	1.9 pp	4.1%
	8th Grade Math	42,828	43,790	43,303	37.2%	41.9%	44.6%	2.7 pp	6.4%
	Secondary Math I	44,106	44,579	44,187	31.2%	40.8%	41.5%	0.7 pp	1.7%
	Secondary Math II	36,950	41,046	40,871	27.5%	36.4%	38.0%	1.6 pp	4.4%
	Secondary Math III	16,733	28,131	29,029	30.4%	47.9%	47.6%	-0.3 pp	-0.6%
Science	4th Grade Science	47,056	47,010	48,271	43.0%	44.9%	47.5%	2.6 pp	5.8%
	5th Grade Science	46,610	47,049	46,622	45.6%	50.6%	51.0%	0.4 pp	0.8%
	6th Grade Science	44,848	46,201	46,375	45.5%	47.2%	53.7%	6.5 pp	13.8%
	7th Grade Science	40,289	44,718	45,370	42.5%	45.0%	47.4%	2.4 pp	5.3%
	8th Grade Science	43,195	43,948	43,605	46.2%	47.2%	48.9%	1.7 pp	3.6%
	Biology	43,706	43,654	43,471	38.1%	43.5%	43.6%	0.1 pp	0.2%
	Chemistry	23,163	24,263	23,689	45.4%	50.9%	51.7%	0.8 pp	1.6%
	Earth Science	25,804	25,395	24,132	42.7%	44.9%	44.2%	-0.7 pp	-1.6%
	Physics	16,576	18,472	19,295	44.8%	49.3%	49.9%	0.6 pp	1.2%

Utah SAGE Statewide Test Results by Subgroups, School Years 2013-14 to 2015-16

In the 2015-16 school year, the differences in proficiency rates between genders remained relatively the same as they were in previous school years. By race/ethnicity, all groups saw increases in proficiency rates in Math and Science. In the subject area of ELA, proficiency rates for AfAm/Black students, Pacific Islanders, and White students decreased slightly while proficiency rates for American Indians, Asians and Hispanic/Latinos increased. Economically Disadvantaged (ED) students, English Learners (EL), and Students with Disabilities (SWD) all made increases in their overall proficiency rates.

Table 4: Utah SAGE Statewide Results by Gender, School Years 2013-14 to 2015-16

Subject Area	Gender	2013-14 Count	2014-15 Count	2015-16 Count	2013-14 Prof.	2014-15 Prof.	2015-16 Prof.	Percentage Point Change ⁱ	Percent Change
ELA	Female	190,665	193,460	194,687	47.2%	49.8%	49.6%	-0.2 pp	-0.4%
	Male	198,033	201,912	205,212	36.3%	38.7%	38.9%	0.2 pp	0.5%
Math	Female	181,380	190,701	191,041	37.9%	43.9%	45.8%	1.9 pp	4.3%
	Male	188,156	198,762	200,923	39.4%	45.3%	47.1%	1.8 pp	4.0%
Science	Female	161,243	166,002	165,565	40.9%	44.3%	46.5%	2.2 pp	5.0%
	Male	170,004	174,708	175,265	46.2%	49.2%	50.8%	1.6 pp	3.3%

Table 5: Utah SAGE Statewide Results by Race/Ethnicity, School Years 2013-14 to 2015-16

Subject Area	Race/Ethnicity	2013-14 Count	2014-15 Count	2015-16 Count	2013-14 Prof.	2014-15 Prof.	2015-16 Prof.	Percentage Point Change ⁱ	Percent Change
ELA	AfAm/Black	4,889	5,083	5,326	19.8%	22.9%	21.8%	-1.1 pp	-4.8%
	Am. Indian	4,436	4,535	4,546	14.7%	15.8%	18.5%	2.7 pp	17.1%
	Asian	6,904	6,848	6,853	44.9%	49.2%	50.6%	1.4 pp	2.8%
	Hispanic/Latino	62,454	64,301	66,967	20.5%	22.7%	23.5%	0.8 pp	3.5%
	Multiple Races	7,936	8,844	9,358	44.3%	46.3%	46.1%	-0.2 pp	-0.4%
	Pacific Islander	5,827	6,045	6,289	23.7%	27.0%	25.6%	-1.4 pp	-5.2%
	White	296,252	299,716	300,560	47.0%	49.7%	49.6%	-0.1 pp	-0.2%
Math	AfAm/Black	4,750	5,178	5,221	15.9%	19.1%	20.4%	1.3 pp	6.8%
	Am. Indian	4,306	4,498	4,454	13.4%	16.0%	19.0%	3.0 pp	18.8%
	Asian	6,485	6,801	6,669	45.1%	51.6%	54.2%	2.6 pp	5.0%
	Hispanic/Latino	60,851	64,069	65,875	18.0%	21.9%	23.4%	1.5 pp	6.8%
	Multiple Races	7,466	8,668	9,131	38.4%	44.8%	46.4%	1.6 pp	3.6%
	Pacific Islander	5,637	6,027	6,194	20.8%	26.0%	26.5%	0.5 pp	1.9%
	White	280,041	294,222	294,420	44.2%	50.7%	52.7%	2.0 pp	3.9%
Science	AfAm/Black	4,300	4,532	4,518	17.8%	20.2%	21.3%	1.1 pp	5.4%
	Am. Indian	3,809	3,865	3,830	16.5%	18.7%	20.3%	1.6 pp	8.6%
	Asian	6,411	6,289	6,198	43.5%	46.6%	50.7%	4.1 pp	8.8%
	Hispanic/Latino	53,237	55,566	56,724	20.0%	22.0%	23.9%	1.9 pp	8.6%
	Multiple Races	6,695	7,578	7,897	43.7%	46.6%	49.8%	3.2 pp	6.9%
	Pacific Islander	5,052	5,281	5,400	19.9%	21.4%	23.4%	2.0 pp	9.3%
	White	251,743	257,599	256,263	50.0%	53.6%	55.5%	1.9 pp	3.5%

Table 6: Utah SAGE Statewide Results by Economic Status, School Years 2013-14 to 2015-16

Subject Area	Economic Status	2013-14 Count	2014-15 Count	2015-16 Count	2013-14 Prof.	2014-15 Prof.	2015-16 Prof.	Percentage Point Change ⁱ	Percent Change
ELA	ED*	144,084	147,575	146,617	26.5%	28.5%	28.8%	0.3 pp	1.1%
	Not ED	244,614	247,797	253,282	50.6%	53.4%	52.9%	-0.5 pp	-0.9%
Math	ED	140,219	146,417	143,962	25.1%	29.4%	30.7%	1.3 pp	4.4%
	Not ED	229,317	243,046	248,002	47.0%	53.8%	55.6%	1.8 pp	3.3%
Science	ED	120,810	125,570	122,690	28.9%	31.0%	32.4%	1.4 pp	4.5%
	Not ED	210,437	215,140	218,140	52.1%	56.0%	57.8%	1.8 pp	3.2%

*ED=Economically Disadvantaged

Table 7: Utah SAGE Statewide Results by English Fluency, School Years 2013-14 to 2015-16

Subject Area	English Fluency	2013-14 Count	2014-15 Count	2015-16 Count	2013-14 Prof.	2014-15 Prof.	2015-16 Prof.	Percentage Point Change ⁱ	Percent Change
ELA	Current EL*	16,364	18,180	19,605	3.0%	4.3%	5.6%	1.3 pp	30.2%
	Former EL [†]	10,307	7,449	7,278	16.6%	23.2%	24.5%	1.3 pp	5.6%
	Fluent Speaker	362,027	369,743	373,016	44.1%	46.5%	46.5%	0.0 pp	0.0%
Math	Current EL	16,373	18,684	19,462	4.7%	6.9%	8.8%	1.9 pp	27.5%
	Former EL	10,193	7,398	7,156	19.8%	28.6%	29.3%	0.7 pp	2.4%
	Fluent Speaker	342,970	363,381	365,346	40.9%	46.9%	48.8%	1.9 pp	4.1%
Science	Current EL	13,679	13,930	14,288	3.1%	3.6%	4.0%	0.4 pp	11.1%
	Former EL	8,109	6,196	6,240	15.1%	17.8%	19.9%	2.1 pp	11.8%
	Fluent Speaker	309,459	320,584	320,302	46.2%	49.2%	51.2%	2.0 pp	4.1%

*EL=English Learner

[†]Former English Learners are those who have exited the EL program within the last two years.

Table 8: Utah SAGE Statewide Results by Disability Status, School Years 2013-14 to 2015-16

Subject Area	Disability Status	2013-14 Count	2014-15 Count	2015-16 Count	2013-14 Prof.	2014-15 Prof.	2015-16 Prof.	Percentage Point Change ⁱ	Percent Change
ELA	SWD*	45,300	46,551	47,046	9.8%	10.3%	11.3%	1.0 pp	9.7%
	Not SWD	343,398	348,821	352,853	45.8%	48.6%	48.4%	-0.2 pp	-0.4%
Math	SWD	43,779	44,968	45,117	12.8%	14.6%	15.8%	1.2 pp	8.2%
	Not SWD	325,757	344,495	346,847	42.2%	48.5%	50.4%	1.9 pp	3.9%
Science	SWD	36,609	37,690	37,628	14.9%	16.0%	17.0%	1.0 pp	6.3%
	Not SWD	294,638	303,020	303,202	47.2%	50.6%	52.6%	2.0 pp	4.0%

*Students with a Disability

Utah SAGE Statewide Test Results by Local Education Agency (LEA) Type, School Years 2013-14 to 2015-16

In the 2015-16 school year, as a group, charter schools saw slightly lower proficiency rates than district schools. However, compared with district schools, charter schools made greater overall gains in Math and Science proficiency rates from the previous school year. Keep in mind that these are the state-wide overall proficiency rates by LEA type. Results for individual LEAs and schools varied tremendously, with many LEAs and schools performing well above or well below the state-wide averages.

Table 9: District SAGE Results, School Years 2013-14 to 2015-16

Subject Area	2013-14 Count	2014-15 Count	2015-16 Count	2013-14 Prof.	2014-15 Prof.	2015-16 Prof.	Percentage Point Change ⁱ	Percent Change
ELA	396,137	400,011	401,490	41.4%	44.0%	44.1%	0.1 pp	0.2%
Math	377,193	394,167	393,941	38.3%	44.5%	46.4%	1.9 pp	4.3%
Science	338,006	344,893	342,473	43.4%	46.7%	48.6%	1.9 pp	4.1%

Table 10: Charter SAGE Results, School Years 2013-14 to 2015-16

Subject Area	2013-14 Count	2014-15 Count	2015-16 Count	2013-14 Prof.	2014-15 Prof.	2015-16 Prof.	Percentage Point Change ⁱ	Percent Change
ELA	32,935	36,112	39,436	42.2%	42.9%	42.7%	-0.2 pp	-0.5%
Math	31,737	35,556	38,434	38.4%	40.8%	42.9%	2.1 pp	5.1%
Science	27,677	30,921	33,333	43.0%	43.3%	45.7%	2.4 pp	5.5%

Utah SAGE Statewide Test Results by Grade Range, School Years 2013-14 to 2015-16

Overall statewide ELA proficiency rates saw almost no change from school year 2014-2015 to school year 2015-2016. Upon closer inspection, however, proficiency rates increased in lower grade levels (grades 3 to 7), and decrease in higher grade levels (grades 8 to 11). In contrast, Math and Science proficiency rates improved statewide in nearly all grade levels and test subject. The exceptions are Secondary Math III, which had a 0.2 percentage point decrease, and Earth Science, which had a 0.7 percentage point decrease (see Table 3).

Table 11: Utah SAGE Results ELA by Grade Range, School Years 2013-14 to 2015-16

Subject Area	Test	2013-14 Count	2014-15 Count	2015-16 Count	2013-14 Prof.	2014-15 Prof.	2015-16 Prof.	Percentage Point Change ⁱ	Percent Change
ELA (3-7)	3 rd Grade ELA	47,058	48,151	49,583	44.4%	45.6%	47.5%	1.9 pp	4.2%
	4 th Grade ELA	47,014	46,828	48,251	41.8%	42.2%	42.6%	0.4 pp	0.9%
	5 th Grade ELA	46,563	46,792	46,679	41.9%	45.1%	47.4%	2.3 pp	5.1%
	6 th Grade ELA	45,040	46,009	46,401	43.1%	45.1%	47.6%	2.5 pp	5.5%
	7 th Grade ELA	43,985	44,372	45,403	42.5%	43.5%	43.9%	0.4 pp	0.9%
ELA (8-11)	8 th Grade ELA	43,395	43,528	43,736	41.1%	42.7%	42.4%	-0.3 pp	-0.7%
	9 th Grade ELA	41,952	42,073	42,397	39.8%	44.9%	41.0%	-3.9 pp	-8.7%
	10 th Grade ELA	38,674	40,402	40,438	40.6%	46.6%	44.8%	-1.8 pp	-3.9%
	11 th Grade ELA	35,017	37,217	37,011	38.3%	41.0%	37.6%	-3.4 pp	-8.3%

ⁱChange measured from school year 2014-15 to 2015-16.