



2013 College-Bound Seniors

# State Profile Report



ARIZONA

## Included in This Report

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[SAT® Data](#)

[SAT Subject Tests™ Data](#)

[Demographic and Academic Information](#)

[College Plans](#)

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**DATA EMBARGO IN EFFECT** *This report contains information on college-bound students in the class of 2013 who took the SAT® or SAT Subject Tests™ at any time during high school. **Data and other information in this report are embargoed from dissemination to the media and general public until the College Board's press conference in mid-September.** You may use the data and other information in this report for internal purposes prior to the College-Bound Seniors press conference. If you have any questions about the embargo or the College-Board national press conference, please contact the College Board communications department at [communications@collegeboard.org](mailto:communications@collegeboard.org).*

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# The SAT<sup>®</sup> Program

The SAT<sup>®</sup> (formerly known as the SAT<sup>®</sup> I: Reasoning Test) assesses student reasoning based on knowledge and skills developed by the students in their course work. The SAT Subject Tests<sup>™</sup> (formerly known as SAT II: Subject Tests) are a series of one-hour, mostly multiple-choice tests that measure how much students know about a particular academic subject and how well they can apply that knowledge. Most students also complete the optional SAT Questionnaire (formerly known as the Student Descriptive Questionnaire) when they register to take SAT Program tests, providing valuable contextual information to aid in interpreting and understanding individual and group scores. College-Bound Seniors 2013 includes students who tested through June 2013.

## Using This Report

College-Bound Seniors presents data on high school graduates in the year 2013 who participated in the SAT Program. Students are counted only once, no matter how often they tested, and only their latest scores and most recent SAT Questionnaire responses are summarized. Because the accuracy of self-reported information has been documented and the college-bound population is relatively stable from year to year, SAT Questionnaire responses from these students can be considered highly accurate. Therefore, you can use this report to:

- Interpret scores of individual students within the broader context of data aggregated across groups of college-bound seniors.
- Study changes over time in the characteristics of students taking SAT tests.
- Look at year-to-year educational and demographic changes in this population, along with changes in test performance.

Keep in mind, however, that:

- Relationships between test scores and other factors such as educational background, gender, racial/ethnic background, parental education, and household income are complex and interdependent. These factors do not directly affect test performance; rather, they are associated with educational experiences both on tests such as the SAT and in schoolwork.
- Not all students in a high school, school district or state take the SAT. Since the population of test-takers is self-selected, using aggregate SAT scores to compare or evaluate teachers, schools, districts, states or other educational units is not valid, and the College Board strongly discourages such uses.
- Interpreting SAT scores for subgroups requires unique considerations. The most significant factor to consider in interpreting SAT scores for any group, or subgroup, of test-takers is the proportion of students taking the test. For example, if state data are being considered, it is appropriate to recognize that in some states there are lower participation rates. Typically, test-takers in these states have strong academic backgrounds and apply to the nation's most selective colleges and scholarship

programs. For these states, it is expected that the SAT mean scores reported for students will be higher than the national average.

## Statistical Definitions

The following terms are used throughout this report. For more statistical information, visit the College Board website at [www.collegeboard.org](http://www.collegeboard.org).

### Mean

The *mean* is the arithmetic average.

### Percentile

The *percentile*, also called the *percentile point*, is the point on the measurement scale below which a specified percentage of scores falls. The 25th, 50th and 75th percentile points are often reported for large data sets. The 50th percentile point is also called the *median* and, like the mean, is an average and a good indicator of the center of the distribution of scores. Comparing the 25th and 75th percentile points gives an idea of the range of scores in the populations reported in this document. Like the standard deviation, the difference between the scores associated with the 75th and 25th percentiles is an indication of the variability of the scores in a particular sample.

### Scaled score

A *scaled score* is a score that has been converted from the raw score (number of questions answered correctly minus a fraction of the incorrect answers) for reporting. The SAT Program uses the 200- to 800-point scale.

### Standard deviation (SD)

The *standard deviation* (SD) is a measure of the variability of a set of scores. If test scores cluster tightly around the mean score, as they do when the group tested is relatively homogeneous, the standard deviation is smaller than it would be with a more diverse group and a greater scatter of scores around the mean.

## About the College Board

The College Board is a mission-driven not-for-profit organization that connects students to college success and opportunity. Founded in 1900, the College Board was created to expand access to higher education. Today, the membership association is made up of over 6,000 of the world's leading educational institutions and is dedicated to promoting excellence and equity in education. Each year, the College Board helps more than seven million students prepare for a successful transition to college through programs and services in college readiness and college success — including the SAT<sup>®</sup> and the Advanced Placement Program<sup>®</sup> (AP<sup>®</sup>). The organization also serves the education community through research and advocacy on behalf of students, educators and schools. For further information, visit [www.collegeboard.org](http://www.collegeboard.org).

# Total Group Mean SAT Scores

## College-Bound Seniors, 1972–2013

<b>Year</b>	<b>Critical Reading</b>			<b>Mathematics</b>			<b>Writing</b>		
	<b>Male</b>	<b>Female</b>	<b>Total</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>
1972	531	529	530	527	489	509	-	-	-
1973	523	521	523	525	489	506	-	-	-
1974	524	520	521	524	488	505	-	-	-
1975	515	509	512	518	479	498	-	-	-
1976	511	508	509	520	475	497	-	-	-
1977	509	505	507	520	474	496	-	-	-
1978	511	503	507	517	474	494	-	-	-
1979	509	501	505	516	473	493	-	-	-
1980	506	498	502	515	473	492	-	-	-
1981	508	496	502	516	473	492	-	-	-
1982	509	499	504	516	473	493	-	-	-
1983	508	498	503	516	474	494	-	-	-
1984	511	498	504	518	478	497	-	-	-
1985	514	503	509	522	480	500	-	-	-
1986	515	504	509	523	479	500	-	-	-
1987	512	502	507	523	481	501	-	-	-
1988	512	499	505	521	483	501	-	-	-
1989	510	498	504	523	482	502	-	-	-
1990	505	496	500	521	483	501	-	-	-
1991	503	495	499	520	482	500	-	-	-
1992	504	496	500	521	484	501	-	-	-
1993	504	497	500	524	484	503	-	-	-
1994	501	497	499	523	487	504	-	-	-
1995	505	502	504	525	490	506	-	-	-
1996	507	503	505	527	492	508	-	-	-
1997	507	503	505	530	494	511	-	-	-
1998	509	502	505	531	496	512	-	-	-
1999	509	502	505	531	495	511	-	-	-
2000	507	504	505	533	498	514	-	-	-
2001	509	502	506	533	498	514	-	-	-
2002	507	502	504	534	500	516	-	-	-
2003	512	503	507	537	503	519	-	-	-
2004	512	504	508	537	501	518	-	-	-
2005	513	505	508	538	504	520	-	-	-
2006	505	502	503	536	502	518	491	502	497
2007	503	500	501	532	499	514	487	499	493
2008	502	499	500	532	499	514	486	499	493
2009	502	497	499	533	498	514	485	498	492
2010	502	498	500	533	499	515	485	497	491
2011	500	495	497	531	500	514	482	496	489
2012	498	493	496	532	499	514	481	494	488
2013	499	494	496	531	499	514	482	493	488

Note: For 1972–1986 a formula was applied to the original mean and standard deviation to convert the mean to the recentered scale. For 1987–1995 individual student scores were converted to the recentered scale and then the mean was recomputed. From 1996–1999, nearly all students received scores on the recentered scale. Any score on the original scale was converted to the recentered scale prior to computing the mean. From 2000–2013, all scores are reported on the recentered scale. Cohort data presented prior to 2007 include students testing through March of the senior year, while cohort data from 2007 to present include students testing through June. For further information see [www.collegeboard.org/cbs](http://www.collegeboard.org/cbs).

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## SAT® Data

Data in this report are for high school graduates in the year 2013. Information is summarized for seniors who took the SAT at any time during their high school years through June 2013. If a student took the test more than once, the most recent score is used.

Table 1: Overall Mean Scores

SAT	Test-Takers Number	Critical Reading		Mathematics		Writing *		Writing Subscores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Total	22,283	521	103	528	105	502	101	50.7	10.3	7.1	1.5

Table 2: Mean Scores by Gender

SAT	Test-Takers Number	Critical Reading		Mathematics		Writing		Writing Subscores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Male	10,053	526	104	548	105	497	101	50.4	10.3	6.9	1.5
Female	12,230	518	101	511	102	507	100	50.9	10.3	7.3	1.4

Table 3: Year in Which Seniors Last Took the SAT

Scores are from the last administration in which seniors took the SAT.

SAT	Test-Takers Number	Critical Reading		Mathematics		Writing		Writing Subscores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Senior (2012-2013)	14,040	512	100	517	102	492	97	49.6	10.0	7.0	1.5
Junior (2011-2012)	8,208	537	104	546	107	521	104	52.6	10.6	7.3	1.4
Sophomore (2010-2011)	31	546	125	578	135	536	124	54.6	12.3	7.1	1.7
Freshman (2009-2010)	4										
Total	22,283	521	103	528	105	502	101	50.7	10.3	7.1	1.5

Table 4: Mean Scores for Total Group

Mean scores for the total group may serve as points of reference when evaluating mean scores for the state.

SAT	Test-Takers Number	Critical Reading		Mathematics		Writing		Writing Subscores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Total Group	1,660,047	496	115	514	118	488	114	49.0	11.5	7.1	1.6

\*Writing data are based on students who took the current version of the SAT, first administered in March 2005. All students in the 2013 cohort took the SAT writing section. The writing section contains one essay (30 percent of the total score) and 49 multiple-choice questions (70 percent of the total score). Essay scores range from 2-12, with a very small percentage of students (less than 0.3 percent) receiving scores of 0 on the essay, for essays written completely off topic. Multiple-choice scores range from 20 to 80.

Note: Mean scores are reported when there are five or more test-takers. Standard deviations are reported when there are 25 or more test-takers.

## SAT Data

### Table 5: Percentiles for State and Total Group

A percentile represents the point below which a percentage of scores fall. Comparing the 25th percentile point to the 75th percentile point gives an idea of the range of performance in a group.

SAT Percentile	State			Total Group		
	Critical Reading	Mathematics	Writing	Critical Reading	Mathematics	Writing
75th	590	600	570	570	600	560
50th	520	520	500	490	510	480
25th	450	450	430	420	430	410

### Table 6: Score Distributions

The score ranges in the following table reflect SAT Skills Insight™, a resource that identifies skills demonstrated by typical students who score in each range. For more information and resources for educators and students, please visit [www.collegeboard.org/sat-skills](http://www.collegeboard.org/sat-skills).

SAT Score Range	Critical Reading			Mathematics			Writing		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
700–800	559	541	1,100	839	499	1,338	326	460	786
600-690	1,966	2,154	4,120	2,533	2,020	4,553	1,348	1,828	3,176
500-590	3,585	4,327	7,912	3,515	4,149	7,664	3,200	4,110	7,310
400-490	2,950	3,984	6,934	2,448	4,092	6,540	3,631	4,318	7,949
300-390	849	1,076	1,925	628	1,294	1,922	1,368	1,388	2,756
200-290	144	148	292	90	176	266	180	126	306

### Table 7: Type of High School

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Public	19,247	90	45	55	519	527	499
Religiously Affiliated	1,890	9	50	50	545	542	533
Independent	299	1	50	50	556	575	554
Other or Unknown	847		44	56	508	499	488

### Table 8: Test-Taking Conditions

\*Nonstandard conditions\* reflect test-takers who received an accommodation. \*Disabling conditions\* are self-reported student responses.

SAT	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
Disabling Conditions	1,007	5	505	112	502	108	478	104
Nonstandard Conditions	176	1	517	119	523	114	504	108

Note: Percentiles are reported when there are 20 or more test-takers.

## Demographic Information

SAT: Mean Scores by Gender Within Ethnicity

Table 9: Total Mean Scores by Ethnicity

SAT Test-Takers Who Described Themselves As:	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
American Indian or Alaska Native	332	1	475	94	482	93	450	89
Asian, Asian American, or Pacific Islander	1,766	8	539	116	585	114	528	120
Black or African American	1,215	5	473	97	470	101	455	97
Mexican or Mexican American	3,193	14	484	97	487	96	467	92
Puerto Rican	111	0	512	102	514	100	496	97
Other Hispanic, Latino, or Latin American	1,767	8	473	101	478	103	457	94
White	12,920	58	540	96	544	98	519	94
Other	562	3	534	105	533	105	517	108
No Response	417	2	508	106	509	102	488	100
Total	22,283	100	521	103	528	105	502	101

Table 10: Male Mean Scores by Ethnicity

SAT Test-Takers Who Described Themselves As:	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
American Indian or Alaska Native	135	1	474	97	497	95	440	85
Asian, Asian American, or Pacific Islander	865	4	536	119	596	111	518	120
Black or African American	565	3	466	100	476	105	443	97
Mexican or Mexican American	1,368	6	488	99	508	98	464	94
Puerto Rican	58	0	521	112	525	114	494	107
Other Hispanic, Latino, or Latin American	696	3	482	103	503	103	454	93
White	5,962	27	545	97	564	98	513	96
Other	218	1	531	111	554	109	502	112
No Response	186	1	506	104	521	100	476	95
Total	10,053	45	526	104	548	105	497	101

Table 11: Female Mean Scores by Ethnicity

SAT Test-Takers Who Described Themselves As:	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
American Indian or Alaska Native	197	1	475	92	472	89	457	92
Asian, Asian American, or Pacific Islander	901	4	542	114	575	115	538	119
Black or African American	650	3	480	95	464	97	466	95
Mexican or Mexican American	1,825	8	481	95	471	91	470	90
Puerto Rican	53	0	502	89	501	79	497	83
Other Hispanic, Latino, or Latin American	1,071	5	467	99	462	99	459	95
White	6,958	31	537	95	527	94	524	93
Other	344	2	536	100	520	100	526	103
No Response	231	1	509	107	499	102	498	102
Total	12,230	55	518	101	511	102	507	100

## Demographic Information

### SAT: Student Background Information and Characteristics

**Table 12: Student Background Information and Characteristics**

Student demographic information provides a broader context to aid in interpreting and understanding individual and group scores.

SAT	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
All Test-Takers	22,283	100	521	103	528	105	502	101
<b>First Language Learned</b>								
English	16,938	78	530	98	533	101	509	97
English and Another	2,666	12	498	109	510	113	484	107
Another Language	2,026	9	474	110	506	117	464	106
No Response	653		543	109	541	112	522	108
<b>Citizenship</b>								
U.S. Citizen / U.S. National	20,205	96	524	101	529	104	505	99
U.S. Permanent Resident or Refugee	498	2	482	119	516	123	473	118
Citizen of Another Country	335	2	468	111	537	118	465	110
Other, Unknown, or No Response	1,245		503	108	514	109	486	101
<b>Plans to Apply for Financial Aid</b>								
Yes	15,012	75	519	102	523	104	500	100
No	1,363	7	527	101	541	104	509	99
Don't Know	3,528	18	522	103	534	105	503	101
No Response	2,380		531	105	541	108	513	103
<b>Family Income</b>								
\$0 - \$20,000	1,279	10	465	102	472	102	449	95
\$20,000–\$40,000	2,130	17	488	98	492	97	468	93
\$40,000–\$60,000	1,955	16	505	96	506	98	483	92
\$60,000–\$80,000	1,747	14	513	94	517	95	490	90
\$80,000–\$100,000	1,563	12	521	93	527	95	499	90
\$100,000–\$120,000	1,317	10	528	99	539	100	507	96
\$120,000–\$140,000	676	5	534	95	543	97	512	89
\$140,000–\$160,000	515	4	528	92	538	97	510	91
\$160,000–\$200,000	615	5	540	93	556	95	526	95
More than \$200,000	798	6	562	100	572	99	543	99
No Response	9,688		535	105	541	108	517	104
<b>Highest Level of Parental Education</b>								
No High School Diploma	1,063	5	443	94	458	96	431	88
High School Diploma	5,798	28	492	94	495	96	472	89
Associate Degree	1,675	8	501	90	502	94	478	86
Bachelor's Degree	7,015	34	535	95	542	98	515	94
Graduate Degree	5,296	25	566	102	573	105	547	104
No Response	1,436		493	103	505	105	480	101
<b>Took the PSAT/NMSQT®</b>								
Yes, As a Junior	6,770	33	526	99	531	100	506	97
Yes, As a Sophomore or Younger	3,286	16	522	94	529	97	501	92
Yes, As a Junior and As a Sophomore or Younger	4,390	21	574	98	584	102	559	100
No	6,170	30	480	95	484	96	459	88
No Response	1,667		519	104	528	105	501	101

Note: Occasional updates are made to the optional Student Questionnaire to improve student response rates. Fluctuations from year to year should be interpreted with appropriate consideration.



## Academic Information

### Academic Record

Table 13: High School Rank

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Highest Tenth	4,281	41	41	59	581	599	566
Second Tenth	2,962	28	44	56	522	535	503
Second Fifth	1,778	17	51	49	491	498	469
Final Three Fifths	1,521	14	50	50	454	456	434
No Response	11,741		45	55	513	514	493

Table 14: High School Grade Point Average

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
A+ (97–100)	1,797	9	38	62	593	607	583
A (93–96)	5,208	25	38	62	560	572	544
A- (90–92)	4,497	22	43	57	531	541	510
B (80–89)	7,690	37	50	50	489	491	468
C (70–79)	1,382	7	60	40	443	442	418
D, E, or F (below 70)	35	0	60	40	399	394	379
No Response	1,674		47	53	516	513	496
<b>Mean Grade Point Average</b>	<b>All Students: 3.49</b>		<b>Male: 3.40</b>		<b>Female: 3.56</b>		

Table 15: Average Years of Study in Six Academic Subjects

SAT	Average Years of Study			Grade Point Average: Each Subject		
	Male	Female	Total	Male	Female	Total
Arts and Music	2.0	2.5	2.3	3.77	3.91	3.85
English and Language Arts	3.9	3.9	3.9	3.38	3.61	3.51
Foreign and Classical Languages	2.5	2.6	2.5	3.35	3.59	3.48
Mathematics	4.1	4.0	4.0	3.29	3.30	3.29
Natural Sciences	3.4	3.4	3.4	3.38	3.45	3.42
Social Sciences and History	3.3	3.3	3.3	3.50	3.56	3.53
<b>Total for All Subjects</b>	<b>19.2</b>	<b>19.7</b>	<b>19.4</b>			

## Academic Information

### Course-Taking Patterns

Table 16: English, Mathematics

English and Language Arts Years of Study	Test-Takers		Percent by Gender		SAT Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	1,599	8	47	53	539	546	519
4 Years	15,005	78	44	56	525	531	505
3 Years	1,986	10	42	58	491	496	473
2 Years	270	1	45	55	497	504	480
1 Year	137	1	47	53	472	470	458
1/2 Year or Less	189	1	59	41	461	483	444
No Response	3,097		49	51	524	533	505
AP®/Honors Courses	9,900	52	38	62	563	563	545
<b>Course Work or Experience</b>							
English/Language Arts	17,567	97	44	56	522	527	503
Journalism	1,364	8	30	70	519	503	505
Creative Writing	2,903	16	40	60	521	514	504
American Literature	10,490	58	43	57	529	533	510
Composition/Writing	8,446	47	42	58	525	527	506
British Literature	3,374	19	41	59	542	538	521
World Literature	4,916	27	44	56	531	533	512
Communications	1,033	6	45	55	497	500	483
Public Speaking	2,150	12	44	56	526	523	508
English As Second Language	643	4	43	57	437	481	431

Mathematics Years of Study	Test-Takers		Percent by Gender		SAT Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	4,188	22	48	52	557	584	539
4 Years	12,557	65	44	56	516	516	496
3 Years	1,887	10	41	59	487	487	469
2 Years	249	1	45	55	487	489	471
1 Year	128	1	49	51	487	491	467
1/2 Year or Less	207	1	46	54	458	456	439
No Response	3,067		48	52	524	533	506
AP/Honors Courses	9,105	47	45	55	562	585	544
<b>Highest Level of Mathematics Achieved*</b>							
Calculus	6,243	33	50	50	574	603	556
Pre-calculus	6,593	35	42	58	513	516	493
Geometry	5,530	30	41	59	474	458	454
Algebra II	132	1	43	57	460	450	453
Algebra I	35	0	40	60	457	453	436

\*To better reflect the relationship between students' SAT scores and their Mathematics course work, course work is now being displayed as the highest level of mathematics achieved. This means that each student is counted only once under their highest level of mathematics course taken.

Note: Occasional updates are made to the optional Student Questionnaire to improve student response rates. Fluctuations from year to year should be interpreted with appropriate consideration.

## Academic Information

### Course-Taking Patterns

Table 17: Natural Sciences, Social Sciences and History

<b>Natural Sciences</b>		<b>Test-Takers</b>		<b>Percent by Gender</b>		<b>SAT Mean Scores</b>		
<b>Years of Study</b>	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing	
More Than 4 Years	1,659	9	49	51	564	583	545	
4 Years	7,358	39	45	55	542	550	523	
3 Years	8,307	44	42	58	501	504	481	
2 Years	879	5	48	52	494	499	475	
1 Year	398	2	47	53	497	499	474	
1/2 Year or Less	359	2	47	53	461	467	447	
No Response	3,323		48	52	522	530	503	
AP/Honors Courses	8,047	42	43	57	569	583	551	
<b>Course Work or Experience</b>								
Biology	17,912	98	44	56	522	527	502	
Chemistry	15,958	87	44	56	529	536	510	
Physics	9,349	51	50	50	548	564	528	
Geology, Earth, or Space Science	6,621	36	44	56	494	491	475	
Other Sciences	7,897	43	38	62	510	511	491	

<b>Social Sciences and History</b>		<b>Test-Takers</b>		<b>Percent by Gender</b>		<b>SAT Mean Scores</b>		
<b>Years of Study</b>	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing	
More Than 4 Years	1,059	6	49	51	559	564	538	
4 Years	6,313	33	46	54	537	537	518	
3 Years	9,190	48	42	58	514	525	496	
2 Years	1,956	10	46	54	496	503	475	
1 Year	282	1	44	56	476	488	461	
1/2 Year or Less	261	1	49	51	467	478	452	
No Response	3,222		49	51	522	530	503	
AP/Honors Courses	8,184	43	41	59	570	574	551	
<b>Course Work or Experience</b>								
U.S. History	17,584	96	44	56	522	528	503	
World History or Cultures	16,091	88	44	56	521	527	502	
U.S. Government or Civics	15,670	86	43	57	523	528	503	
Economics	13,371	73	43	57	523	529	504	
Geography	4,957	27	43	57	522	529	504	
Psychology	4,376	24	33	67	540	538	521	
European History	3,000	16	47	53	556	554	535	
Sociology	1,575	9	33	67	515	510	496	
Ancient History	2,144	12	49	51	529	527	508	
Other Courses	1,769	10	42	58	527	526	506	

Note: Occasional updates are made to the optional Student Questionnaire to improve student response rates. Fluctuations from year to year should be interpreted with appropriate consideration.

## Academic Information

### Course-Taking Patterns

Table 18: Foreign and Classical Languages

Foreign and Classical Languages Years of Study	Test-Takers		Percent by Gender		SAT Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	857	4	41	59	571	588	559
4 Years	2,989	16	40	60	575	579	563
3 Years	3,974	21	43	57	537	546	520
2 Years	9,567	50	46	54	502	508	480
1 Year	960	5	45	55	476	475	454
1/2 Year or Less	730	4	49	51	464	470	442
No Response	3,206		49	51	522	531	503
AP/Honors Courses	4,412	23	38	62	577	587	565
<b>Course Work or Experience</b>							
Chinese	336	2	48	52	549	592	530
French	2,672	15	33	67	533	524	510
German	565	3	56	44	546	545	512
Greek	86	0	52	48	591	582	578
Hebrew	57	0	56	44	558	557	546
Italian	37	0	24	76	466	463	466
Japanese	226	1	45	55	541	543	509
Korean	19	0	42	58	461	560	475
Latin	525	3	48	52	579	575	555
Russian	45	0	49	51	485	474	464
Spanish	14,192	77	45	55	518	526	501
Other Languages	645	4	32	68	490	504	473

Note: Occasional updates are made to the optional Student Questionnaire to improve student response rates. Fluctuations from year to year should be interpreted with appropriate consideration.

## Academic Information

### Course-Taking Patterns

Table 19: Arts and Music, Computers

<b>Arts and Music</b>	<b>Test-Takers</b>		<b>Percent by Gender</b>		<b>SAT Mean Scores</b>			
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	1,384	7	35	65	543	547	525	
4 Years	3,351	18	34	66	546	540	527	
3 Years	2,556	14	36	64	525	523	507	
2 Years	4,315	23	45	55	515	522	496	
1 Year	5,582	30	55	45	516	530	496	
1/2 Year or Less	1,658	9	51	49	483	495	465	
No Response	3,437		49	51	522	531	503	
AP/Honors Courses	1,761	9	36	64	579	583	564	
<b>Course Work or Experience</b>								
Acting or Play Production	3,136	17	35	65	551	537	530	
Art History or Appreciation	3,118	17	42	58	522	522	502	
Dance	3,082	17	8	92	506	504	495	
Drama: Study or Appreciation	3,154	18	33	67	534	524	515	
Music: Study or Appreciation	2,143	12	46	54	557	553	537	
Music Performance	6,783	38	43	57	543	545	523	
Photography or Film	4,458	25	37	63	520	519	501	
Studio Art and Design	4,342	24	40	60	534	534	514	
None	2,248	13	64	36	484	503	464	

<b>Computers</b>	<b>Test-Takers</b>		<b>Percent by Gender</b>		<b>SAT Mean Scores</b>		
	Course Work or Experience	Number	Pct	Male	Female	Critical Reading	Mathematics
Computer Literacy	8,935	52	46	54	529	534	508
Computer Programming	2,267	13	61	39	522	541	502
Word Processing	8,342	49	44	56	528	531	507
Internet Activity	6,786	40	45	55	531	534	510
Using Computer Graphics	4,776	28	50	50	524	530	504
Creating Spreadsheets/Databases	4,626	27	48	52	531	539	510
None	4,697	27	39	61	516	521	499

Note: Occasional updates are made to the optional Student Questionnaire to improve student response rates. Fluctuations from year to year should be interpreted with appropriate consideration.

## SAT Subject Tests™ Data

Table 20: Number of Test-Takers and Tests for SAT Subject Tests

Students Who Took SAT Subject Tests		Students Who Took an SAT Subject Test and Also Took the SAT			
Number of Test-Takers	Number of Tests	Number of Test-Takers	Critical Reading Mean	Mathematics Mean	Writing Mean
1,931	4,791	1,818	648	666	640

Students Who Took One or More Different SAT Subject Tests		
Number of Tests Taken	Number of Test-Takers	Percent of Total Test-Takers Who Took One or More Tests
1	174	9
2	846	44
3	771	40
4 or More	140	7

Table 21: Mean Scores for SAT Subject Test Takers and for Students Who Also Took the SAT

Most, but not all, students who take SAT Subject Tests also take the SAT. This table provides SAT Subject Test scores for students who took SAT Subject Tests. It also provides the SAT scores for those students who also took the SAT.

	SAT Subject Test			N	SAT						
	N	Mean	SD		Mean	SD	Mean	SD	Mean	SD	
<b>English</b>											
Literature	630	636	94	590	659	83	638	84	644	87	
<b>History and Social Studies</b>											
U.S. History	769	671	93	731	662	81	660	84	652	85	
World History	94	635	94	92	666	85	679	78	670	90	
<b>Mathematics</b>											
Mathematics Level 1	495	627	94	455	615	87	633	80	606	87	
Mathematics Level 2	1,144	694	85	1,085	659	82	698	69	654	87	
<b>Science</b>											
Biology-E	213	642	97	196	644	81	657	83	642	87	
Biology-M	283	675	90	270	661	82	680	80	656	91	
Chemistry	477	678	98	452	667	86	706	75	661	93	
Physics	318	667	93	303	657	86	706	67	647	85	
<b>Foreign and Classical Languages</b>											
Chinese/Listening	18	754		17	619		684		629		
French	42	601	100	41	661	75	640	80	655	77	
French/Listening	10	521		10	637		587		641		
German	6	687		6	643		655		642		
German/Listening	3			3							
Modern Hebrew											
Italian	2			2							
Japanese/Listening	10	714		9	586		618		559		
Korean/Listening	10	787		10	564		733		615		
Latin	26	580	102	25	639	95	639	83	632	94	
Spanish	205	644	116	194	635	88	644	88	644	93	
Spanish/Listening	36	638	101	31	622	72	599	66	604	80	

## SAT Subject Tests Score Distributions

Table 22: English, History and Social Studies

SAT Subject Tests	English		History and Social Studies			
	Literature		U.S. History		World History	
	N	Pct	N	Pct	N	Pct
750-800	63	10	183	24	16	17
700-740	124	20	185	24	10	11
650-690	143	23	148	19	22	23
600-640	107	17	106	14	11	12
550-590	78	12	52	7	17	18
500-540	65	10	50	7	10	11
450-490	28	4	33	4	7	7
400-440	17	3	8	1	1	1
350-390	4	1	4	1		
300-340	1	0				
250-290						
200-240						
Total	630		769		94	
Mean	636		671		635	
SD	94		93		94	
75th percentile	710		740		700	
50th percentile	650		690		650	
25th percentile	570		620		550	

Table 23: Mathematics, Science

SAT Subject Tests	Mathematics				Science							
	Mathematics Level 1		Mathematics Level 2		Biology-E		Biology-M		Chemistry		Physics	
	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct
750-800	35	7	399	35	36	17	64	23	148	31	83	26
700-740	112	23	203	18	36	17	75	27	98	21	50	16
650-690	88	18	211	18	43	20	56	20	72	15	49	15
600-640	90	18	170	15	31	15	37	13	67	14	60	19
550-590	61	12	100	9	33	15	27	10	38	8	40	13
500-540	55	11	42	4	22	10	13	5	25	5	27	8
450-490	35	7	15	1	5	2	6	2	15	3	9	3
400-440	14	3	4	0	4	2	2	1	10	2		
350-390	5	1			1	0	2	1	4	1		
300-340					2	1						
250-290							1	0				
200-240												
Total	495		1,144		213		283		477		318	
Mean	627		694		642		675		678		667	
SD	94		85		97		90		98		93	
75th percentile	700		770		720		740		760		750	
50th percentile	640		710		650		690		700		670	
25th percentile	560		630		570		630		620		600	

## SAT Subject Tests Score Distributions

Table 24: Foreign and Classical Languages

SAT Subject Tests	Foreign and Classical Languages											
	Chinese/Listening		French		French/Listening		German		German/Listening		Modern Hebrew	
	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct
750-800	13	72	3	7			2	33	1	33		
700-740	2	11	6	14			1	17	1	33		
650-690	1	6	5	12	1	10	1	17	1	33		
600-640			9	21	1	10	1	17				
550-590	2	11	7	17	2	20	1	17				
500-540			5	12	2	20						
450-490			5	12	2	20						
400-440			1	2	1	10						
350-390			1	2	1	10						
300-340												
250-290												
200-240												
Total	18		42		10		6		3			
Mean	754		601		521		687					
SD			100									
75th percentile			670									
50th percentile			600									
25th percentile			530									

Table 25: Foreign and Classical Languages (continued)

SAT Subject Tests	Foreign and Classical Languages											
	Italian		Japanese/Listening		Korean/Listening		Latin		Spanish		Spanish/Listening	
	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct
750-800	2	100	4	40	10	100	1	4	47	23	7	19
700-740			2	20			5	19	42	20	4	11
650-690			2	20			3	12	29	14	6	17
600-640			2	20			2	8	19	9	5	14
550-590							4	15	21	10	8	22
500-540							4	15	20	10	2	6
450-490							4	15	15	7	3	8
400-440							3	12	8	4	1	3
350-390									3	1		
300-340												
250-290									1	0		
200-240												
Total	2		10		10		26		205		36	
Mean			714		787		580		644		638	
SD							102		116		101	
75th percentile							660		740		720	
50th percentile							570		660		640	
25th percentile							460		550		570	



## College Plans

Table 26: Intended College Major, Degree-Level Goal

SAT Intended College Major	Test-Takers		Mean Scores		
	Number	Pct	Critical Reading	Mathematics	Writing
Agriculture, Agriculture Operations, and Related Sciences	155	1	506	491	483
Architecture and Related Services	348	2	512	544	501
Area, Ethnic, Cultural and Gender Studies	24	0	551	493	515
Biological and Biomedical Sciences	1,364	7	548	555	531
Business Management, Marketing, and Related Support Services	2,003	11	506	523	486
Communication, Journalism and Related Programs	519	3	532	503	512
Computer and Information Sciences and Support Services	447	2	547	569	513
Construction Trades	13	0	439	464	424
Education	687	4	512	502	497
Engineering	2,072	11	552	594	524
Engineering Technologies/Technicians	202	1	511	546	481
English Language and Literature/Letters	238	1	589	537	567
Family and Consumer Sciences/Human Sciences	47	0	478	473	473
Foreign Languages, Literatures, and Linguistics	114	1	577	551	553
Health Professions and Related Clinical Services	4,099	21	510	519	498
History	143	1	553	505	512
Legal Professions and Studies	542	3	526	519	507
Liberal Arts and Sciences, General Studies, and Humanities	166	1	550	522	527
Library Science And Administration	4	0			
Mathematics and Statistics	133	1	562	624	544
Mechanic and Repair Technologies/Technician	37	0	447	478	416
Military Technologies And Applied Sciences	144	1	521	531	488
Multi/Interdisciplinary Studies	115	1	608	598	586
Natural Resources and Conservation	87	0	531	523	501
Parks, Recreation, Leisure and Fitness Studies	103	1	455	477	443
Personal and Culinary Services	64	0	487	487	465
Philosophy and Religious Studies	45	0	539	543	511
Physical Sciences	344	2	565	578	539
Precision Production	0	0			
Psychology	978	5	519	502	501
Public Administration and Social Services Professions	67	0	496	475	483
Security and Protective Services	501	3	484	482	459
Social Sciences	339	2	584	558	557
Theology and Religious Vocations	41	0	543	542	516
Transportation and Materials Moving	11	0	512	528	467
Visual and Performing Arts	1,334	7	531	515	510
Other	306	2	473	481	462
Undecided	1,240	7	547	556	529
<b>Degree-Level Goal</b>					
Certificate Program	156	1	468	471	445
Associate Degree	140	1	442	446	431
Bachelor's Degree	6,123	30	499	502	476
Master's Degree	5,759	29	524	532	505
Doctoral or Related Degree	5,200	26	545	553	529
Other	73	0	473	469	448
Undecided	2,667	13	522	528	503

## College Plans

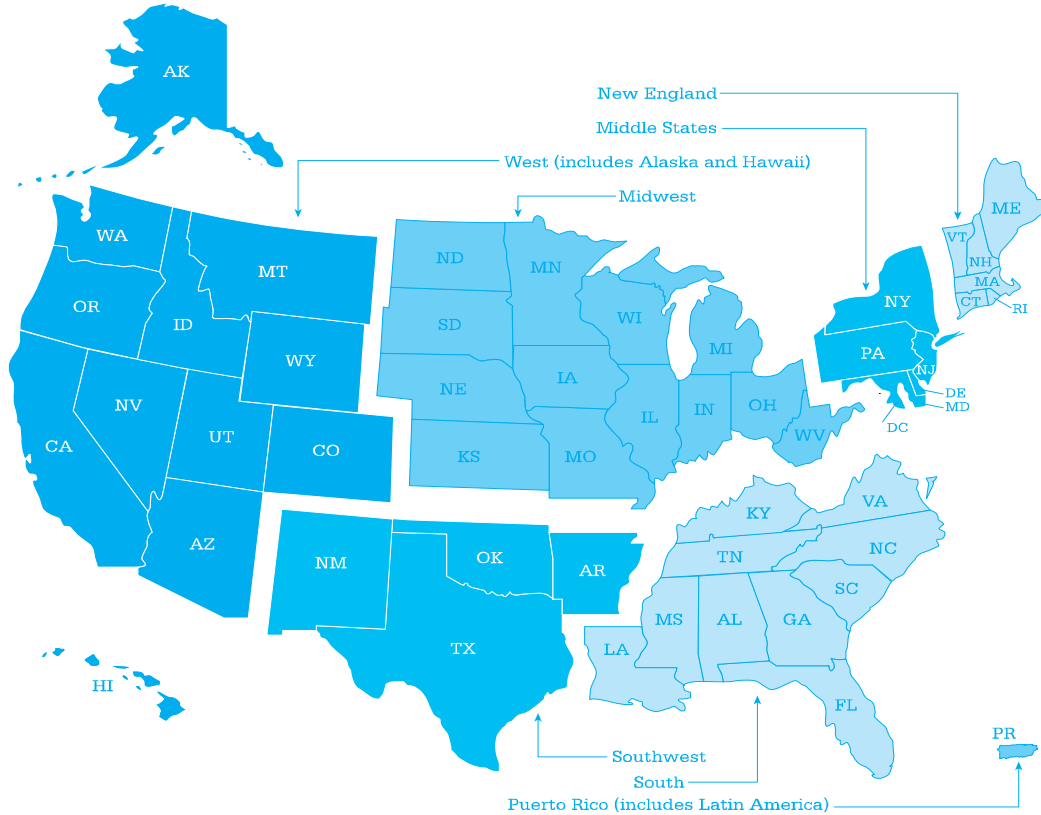
### Table 27: Institutions That Received the Most SAT Program Score Reports from Your Students

Of the 22,396 students from your state who took the SAT and/or an SAT Subject Test, 14,117 designated that their score reports be sent to institutions. Students may designate more than one institution to receive scores. This list includes only the 45 institutions that received the most score reports. A total of 1,588 institutions received score reports from your students.

Institution	State	Type	Number of Students	Percent of Score Senders*
ARIZONA STATE UNIVERSITY	AZ	Public	7,950	56.3
UNIVERSITY OF ARIZONA	AZ	Public	6,661	47.2
NORTHERN ARIZONA UNIVERSITY	AZ	Public	5,272	37.3
GRAND CANYON UNIVERSITY	AZ	Private	1,437	10.2
STANFORD UNIVERSITY	CA	Private	993	7.0
NCAA ELIGIBILITY CENTER	IN	Public	824	5.8
UNIVERSITY OF SOUTHERN CALIFORNIA	CA	Private	764	5.4
UNIVERSITY OF CALIFORNIA LOS ANGELES	CA	Public	695	4.9
UNIVERSITY OF CALIFORNIA BERKELEY	CA	Public	623	4.4
HARVARD UNDERGRADUATE ADMISSIONS	MA	Private	517	3.7
SAN DIEGO STATE UNIVERSITY	CA	Public	479	3.4
FLINN FOUNDATION THE	AZ	Scholarship	470	3.3
UNIVERSITY OF CALIFORNIA SAN DIEGO	CA	Public	417	3.0
UNIVERSITY OF WASHINGTON	WA	Public	379	2.7
NEW YORK UNIVERSITY	NY	Private	372	2.6
UNIVERSITY OF SAN DIEGO	CA	Private	367	2.6
PRINCETON UNIVERSITY	NJ	Private	360	2.6
DUKE UNIVERSITY	NC	Private	351	2.5
COLUMBIA UNIVERSITY UNDERGRADUATE ADMISSIONS	NY	Private	351	2.5
YALE UNIVERSITY	CT	Private	345	2.4
COLORADO STATE UNIVERSITY FT COLLINS	CO	Public	341	2.4
UNIVERSITY OF COLORADO BOULDER	CO	Public	339	2.4
UNIVERSITY OF CHICAGO	IL	Private	339	2.4
UNIVERSITY OF OREGON	OR	Public	331	2.3
NATIONAL MERIT SCHOLARSHIP CORPORATION	IL	Scholarship	315	2.2
BROWN UNIVERSITY	RI	Private	314	2.2
CORNELL UNIVERSITY	NY	Private	313	2.2
NORTHWESTERN UNIVERSITY	IL	Private	299	2.1
BRIGHAM YOUNG UNIVERSITY	UT	Private	298	2.1
UNIVERSITY OF PENNSYLVANIA UNDERGRADUATE	PA	Private	283	2.0
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	MA	Private	282	2.0
MESA COMMUNITY COLLEGE	AZ	Public	257	1.8
VANDERBILT UNIVERSITY	TN	Private	256	1.8
BOSTON UNIVERSITY	MA	Private	254	1.8
UNIVERSITY OF MICHIGAN ANN ARBOR	MI	Public	252	1.8
WASHINGTON UNIVERSITY	MO	Private	241	1.7
UNIVERSITY OF TEXAS AUSTIN	TX	Public	233	1.7
TEXAS CHRISTIAN UNIVERSITY	TX	Private	231	1.6
SANTA CLARA UNIVERSITY	CA	Private	227	1.6
BAYLOR UNIVERSITY	TX	Private	223	1.6
PEPPERDINE UNIVERSITY	CA	Private	212	1.5
EMBRY-RIDDLE AERONAUTICAL UNIVERSITY ARLINGTON	AZ	Private	210	1.5
PIMA COMMUNITY COLLEGE	AZ	Public	207	1.5
RICE UNIVERSITY	TX	Private	205	1.5
UNIVERSITY OF CALIFORNIA SANTA BARBARA	CA	Public	202	1.4

\*Of your students who designated that their SAT and/or SAT Subject Test score reports be sent to institutions, the 'Percent of Score Senders' indicates the percent of those students who had their scores sent to each institution listed.

# Areas Served by College Board Regional Offices



## National Office

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Bala Cynwyd, PA 19004-1501  
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610-227-2580 (Fax)

## Midwestern Regional Office

8700 West Bryn Mawr Avenue, Suite 900N  
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## New England Regional Office

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781-663-2743 (Fax)

## Southern Regional Office

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866-392-4088  
770-225-4062 (Fax)

## Southwestern Regional Office

4330 Gaines Ranch Loop, Suite 200  
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## Western Regional Office

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## Puerto Rico and Latin America Office

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San Juan, PR 00936-8001  
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787-759-8629 (Fax - Reception area)  
787-764-4306 (Fax - Director's office)

## International Education Office

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