



2013 College-Bound Seniors

# State Profile Report



COLORADO

## Included in This Report

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**SAT<sup>®</sup> Data**

**SAT Subject Tests<sup>™</sup> 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<sup>®</sup> or SAT Subject Tests<sup>™</sup> 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® Program

The SAT® (formerly known as the SAT® I: Reasoning Test) assesses student reasoning based on knowledge and skills developed by the students in their course work. The SAT Subject Tests™ (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® and the Advanced Placement Program® (AP®). 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	7,518	578	99	581	100	562	98	56.3	9.9	7.7	1.4

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	3,439	580	101	601	100	557	99	56.1	10.0	7.6	1.5
Female	4,079	575	98	564	98	567	96	56.6	9.9	7.9	1.3

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)	3,478	572	100	572	100	554	99	55.6	10.1	7.6	1.4
Junior (2011-2012)	3,983	583	99	589	100	569	96	57.0	9.8	7.8	1.4
Sophomore (2010-2011)	37	575	100	568	98	557	103	55.7	10.3	7.8	1.4
Freshman (2009-2010)	20	541		538		507		52.6		6.4	
Total	7,518	578	99	581	100	562	98	56.3	9.9	7.7	1.4

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	650	650	630	570	600	560
50th	580	580	560	490	510	480
25th	510	510	490	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	456	475	931	591	348	939	277	386	663
600-690	1,078	1,226	2,304	1,266	1,224	2,490	965	1,196	2,161
500-590	1,197	1,531	2,728	1,058	1,504	2,562	1,243	1,572	2,815
400-490	595	719	1,314	439	830	1,269	794	787	1,581
300-390	103	112	215	76	164	240	146	120	266
200-290	10	16	26	9	9	18	14	18	32

### Table 7: Type of High School

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Public	5,855	82	45	55	580	586	564
Religiously Affiliated	891	12	50	50	561	560	550
Independent	422	6	49	51	599	597	596
Other or Unknown	350		48	52	549	532	525

### 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	359	5	555	103	552	111	537	106
Nonstandard Conditions	165	2	567	103	578	116	560	110

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	42	1	551	91	532	81	532	76
Asian, Asian American, or Pacific Islander	674	9	564	115	618	102	565	110
Black or African American	268	4	523	93	509	98	504	97
Mexican or Mexican American	211	3	542	93	545	100	525	92
Puerto Rican	34	0	553	116	551	113	529	120
Other Hispanic, Latino, or Latin American	290	4	544	106	551	106	537	104
White	5,596	74	586	95	585	97	568	94
Other	208	3	588	110	576	107	571	107
No Response	195	3	556	111	540	98	534	102
Total	7,518	100	578	99	581	100	562	98

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	18	0	541		530		513	
Asian, Asian American, or Pacific Islander	295	4	563	113	645	92	557	109
Black or African American	124	2	523	98	521	98	495	101
Mexican or Mexican American	104	1	559	90	573	92	534	83
Puerto Rican	12	0	517		587		506	
Other Hispanic, Latino, or Latin American	137	2	552	107	570	111	540	109
White	2,541	34	588	97	604	98	562	96
Other	96	1	603	108	611	91	579	104
No Response	112	1	559	114	565	90	530	104
Total	3,439	46	580	101	601	100	557	99

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	24	0	559		533		547	
Asian, Asian American, or Pacific Islander	379	5	565	116	598	104	570	110
Black or African American	144	2	523	88	499	97	513	92
Mexican or Mexican American	107	1	526	92	519	100	516	98
Puerto Rican	22	0	573		531		541	
Other Hispanic, Latino, or Latin American	153	2	536	105	535	99	534	100
White	3,055	41	584	93	569	93	573	92
Other	112	1	576	111	546	111	565	108
No Response	83	1	552	106	508	98	539	99
Total	4,079	54	575	98	564	98	567	96

## 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	7,518	100	578	99	581	100	562	98
<b>First Language Learned</b>								
English	6,300	87	581	96	580	98	564	95
English and Another	485	7	573	104	588	109	563	103
Another Language	422	6	528	119	591	114	533	117
No Response	311		578	107	578	104	564	105
<b>Citizenship</b>								
U.S. Citizen / U.S. National	6,905	97	581	97	581	99	564	96
U.S. Permanent Resident or Refugee	127	2	545	116	599	109	550	120
Citizen of Another Country	122	2	477	112	608	103	500	110
Other, Unknown, or No Response	364		557	113	565	112	541	109
<b>Plans to Apply for Financial Aid</b>								
Yes	4,661	72	578	98	579	100	561	96
No	559	9	567	98	582	100	561	99
Don't Know	1,231	19	575	103	580	102	562	101
No Response	1,067		585	101	590	101	570	99
<b>Family Income</b>								
\$0 - \$20,000	179	4	528	102	542	102	513	97
\$20,000–\$40,000	311	8	532	110	532	101	514	104
\$40,000–\$60,000	448	11	558	101	551	96	533	98
\$60,000–\$80,000	549	13	564	96	558	103	543	94
\$80,000–\$100,000	547	13	574	92	575	98	553	90
\$100,000–\$120,000	601	15	578	94	575	99	557	93
\$120,000–\$140,000	322	8	575	97	582	99	556	94
\$140,000–\$160,000	267	6	589	100	594	97	574	95
\$160,000–\$200,000	342	8	580	88	581	94	570	92
More than \$200,000	542	13	595	93	605	100	587	96
No Response	3,410		586	100	592	98	573	97
<b>Highest Level of Parental Education</b>								
No High School Diploma	65	1	476	99	515	109	478	104
High School Diploma	774	11	531	96	537	98	514	94
Associate Degree	265	4	536	89	528	89	512	85
Bachelor's Degree	2,898	40	571	95	577	98	556	92
Graduate Degree	3,211	45	604	95	604	97	588	95
No Response	305		535	105	548	96	526	104
<b>Took the PSAT/NMSQT®</b>								
Yes, As a Junior	2,967	44	578	95	580	97	562	95
Yes, As a Sophomore or Younger	1,131	17	565	94	571	96	552	91
Yes, As a Junior and As a Sophomore or Younger	1,686	25	612	97	615	97	597	93
No	1,008	15	537	100	537	100	516	97
No Response	726		572	102	581	102	559	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	1,861	49	43	57	630	641	616
Second Tenth	1,034	27	44	56	568	576	552
Second Fifth	550	14	51	49	546	551	528
Final Three Fifths	365	10	58	42	493	505	479
No Response	3,708		45	55	567	564	551

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)	868	12	39	61	634	640	619
A (93–96)	2,222	32	40	60	615	620	602
A- (90–92)	1,588	23	45	55	573	577	558
B (80–89)	2,057	29	53	47	533	534	515
C (70–79)	266	4	63	37	501	488	472
D, E, or F (below 70)	7	0	71	29	471	530	481
No Response	510		47	53	555	556	544
<b>Mean Grade Point Average</b>	<b>All Students: 3.63</b>		<b>Male: 3.55</b>		<b>Female: 3.70</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	2.2	2.7	2.5	3.85	3.95	3.91
English and Language Arts	4.0	4.0	4.0	3.52	3.74	3.64
Foreign and Classical Languages	3.3	3.4	3.3	3.47	3.66	3.57
Mathematics	4.1	4.1	4.1	3.45	3.45	3.45
Natural Sciences	3.9	3.9	3.9	3.53	3.56	3.55
Social Sciences and History	3.8	3.8	3.8	3.60	3.71	3.66
<b>Total for All Subjects</b>	<b>21.3</b>	<b>21.9</b>	<b>21.6</b>			

## Academic Information

### Course-Taking Patterns

Table 16: English, Mathematics

<b>English and Language Arts</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	810	13	44	56	587	585	570	
4 Years	4,865	79	45	55	581	585	566	
3 Years	397	6	46	54	528	525	514	
2 Years	69	1	48	52	540	542	518	
1 Year	19	0	47	53	511	541	480	
1/2 Year or Less	22	0	50	50	508	506	487	
No Response	1,336		50	50	578	584	563	
AP®/Honors Courses	3,899	63	40	60	606	603	591	
<b>Course Work or Experience</b>								
English/Language Arts	5,667	97	44	56	578	580	562	
Journalism	631	11	30	70	579	562	568	
Creative Writing	1,431	25	38	62	571	556	555	
American Literature	4,048	69	44	56	576	576	560	
Composition/Writing	3,424	59	43	57	574	572	558	
British Literature	1,559	27	45	55	586	575	566	
World Literature	2,716	47	43	57	581	580	564	
Communications	665	11	46	54	567	570	553	
Public Speaking	1,885	32	45	55	579	574	563	
English As Second Language	198	3	41	59	492	566	496	

<b>Mathematics</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	1,290	21	50	50	596	619	582	
4 Years	4,302	69	44	56	578	577	562	
3 Years	486	8	41	59	536	519	520	
2 Years	63	1	48	52	548	538	520	
1 Year	24	0	42	58	495	525	481	
1/2 Year or Less	27	0	52	48	522	472	502	
No Response	1,326		50	50	578	584	563	
AP/Honors Courses	3,734	60	46	54	606	622	591	
<b>Highest Level of Mathematics Achieved*</b>								
Calculus	3,151	52	49	51	611	633	596	
Pre-calculus	1,637	27	40	60	553	543	538	
Geometry	1,080	18	38	62	525	491	505	
Algebra II	50	1	50	50	533	534	502	
Algebra I	6	0	50	50	463	360	388	

\*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	1,128	18	48	52	602	622	586
4 Years	3,697	60	45	55	582	583	566
3 Years	1,071	17	41	59	546	537	530
2 Years	152	2	49	51	558	545	538
1 Year	73	1	44	56	546	542	528
1/2 Year or Less	43	1	47	53	515	507	508
No Response	1,354		50	50	578	583	562
AP/Honors Courses	3,420	55	44	56	610	619	594
<b>Course Work or Experience</b>							
Biology	5,724	97	44	56	578	580	562
Chemistry	5,485	93	45	55	580	585	565
Physics	3,961	67	50	50	589	602	573
Geology, Earth, or Space Science	2,978	51	44	56	561	558	543
Other Sciences	2,504	43	39	61	567	564	552

<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	783	13	46	54	593	596	579
4 Years	3,840	62	45	55	584	583	567
3 Years	1,326	22	44	56	556	568	545
2 Years	137	2	47	53	560	552	534
1 Year	38	1	58	42	522	548	508
1/2 Year or Less	31	1	48	52	493	498	473
No Response	1,363		50	50	578	583	562
AP/Honors Courses	3,527	57	42	58	608	608	591
<b>Course Work or Experience</b>							
U.S. History	5,641	96	44	56	578	581	563
World History or Cultures	4,613	79	44	56	578	581	563
U.S. Government or Civics	4,996	85	44	56	577	580	561
Economics	2,466	42	45	55	578	586	562
Geography	3,958	68	43	57	574	576	558
Psychology	2,391	41	37	63	573	569	557
European History	1,846	32	43	57	599	591	580
Sociology	800	14	37	63	553	544	539
Ancient History	1,231	21	45	55	574	571	558
Other Courses	1,182	20	40	60	582	575	564

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	618	10	39	61	597	605	589
4 Years	2,194	36	40	60	604	603	592
3 Years	2,287	37	48	52	567	572	551
2 Years	870	14	50	50	542	542	514
1 Year	108	2	45	55	507	495	485
1/2 Year or Less	79	1	62	38	491	519	466
No Response	1,362		50	50	578	584	563
AP/Honors Courses	2,052	33	39	61	619	620	607
<b>Course Work or Experience</b>							
Chinese	207	4	50	50	576	623	568
French	1,196	20	33	67	589	580	574
German	326	6	57	43	590	583	562
Greek	18	0	33	67	579	533	556
Hebrew	27	0	59	41	563	521	554
Italian	38	1	29	71	560	551	547
Japanese	78	1	47	53	591	583	562
Korean	17	0	53	47	481	625	512
Latin	302	5	43	57	611	590	588
Russian	15	0	20	80	579	553	571
Spanish	4,203	71	46	54	574	578	559
Other Languages	146	2	34	66	540	532	524

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>			
	<b>Years of Study</b>	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	557	9	36	64	584	578	573	
4 Years	1,418	23	36	64	591	581	575	
3 Years	902	15	39	61	570	570	552	
2 Years	1,360	22	47	53	574	581	556	
1 Year	1,091	18	51	49	576	587	560	
1/2 Year or Less	743	12	59	41	567	580	554	
No Response	1,447		51	49	578	584	563	
AP/Honors Courses	713	12	34	66	612	600	595	
<b>Course Work or Experience</b>								
Acting or Play Production	1,402	24	33	67	599	578	580	
Art History or Appreciation	807	14	36	64	576	565	558	
Dance	738	13	12	88	568	561	557	
Drama: Study or Appreciation	1,117	20	35	65	585	569	565	
Music: Study or Appreciation	782	14	45	55	593	584	577	
Music Performance	2,519	44	41	59	592	591	577	
Photography or Film	1,711	30	37	63	573	569	558	
Studio Art and Design	2,067	36	35	65	581	578	565	
None	636	11	67	33	553	575	538	

<b>Computers</b>	<b>Test-Takers</b>		<b>Percent by Gender</b>		<b>SAT Mean Scores</b>		
<b>Course Work or Experience</b>	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Computer Literacy	3,186	57	45	55	582	582	565
Computer Programming	1,031	19	65	35	582	595	559
Word Processing	3,058	55	45	55	583	581	565
Internet Activity	2,498	45	46	54	584	581	567
Using Computer Graphics	2,154	39	51	49	582	585	563
Creating Spreadsheets/Databases	1,888	34	48	52	586	587	568
None	1,025	18	36	64	570	574	560

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
1,898	4,811	1,540	655	667	645

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	151	8
2	830	44
3	725	38
4 or More	192	10

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		Critical Reading Mean	SD	Mathematics Mean	SD	Writing Mean	SD
<b>English</b>										
Literature	652	648	86	541	667	77	644	76	653	77
<b>History and Social Studies</b>										
U.S. History	557	660	87	465	663	77	651	79	649	76
World History	145	644	94	130	675	79	668	85	659	84
<b>Mathematics</b>										
Mathematics Level 1	468	639	77	363	623	87	641	72	618	82
Mathematics Level 2	1,224	695	81	1,004	665	81	695	65	657	77
<b>Science</b>										
Biology-E	179	659	89	136	662	82	663	80	653	69
Biology-M	246	676	81	202	656	81	679	78	650	77
Chemistry	556	670	94	451	662	85	696	73	658	81
Physics	406	679	82	332	660	82	697	69	646	81
<b>Foreign and Classical Languages</b>										
Chinese/Listening	17	765		16	649		718		646	
French	67	654	104	63	675	67	657	75	677	82
French/Listening	14	586		13	667		690		661	
German	7	539		6	657		638		610	
German/Listening	5	558		5	644		652		664	
Modern Hebrew	1			1						
Italian	2			2						
Japanese/Listening	9	663		8	574		670		624	
Korean/Listening	10	777		8	550		653		608	
Latin	13	649		12	698		684		675	
Spanish	211	625	108	173	658	84	662	84	664	79
Spanish/Listening	22	635		21	646		642		633	

## 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	67	10	108	19	23	16
700-740	146	22	102	18	26	18
650-690	155	24	119	21	33	23
600-640	118	18	103	18	16	11
550-590	80	12	65	12	20	14
500-540	51	8	37	7	19	13
450-490	22	3	17	3	5	3
400-440	10	2	5	1	3	2
350-390	3	0	1	0		
300-340						
250-290						
200-240						
Total	652		557		145	
Mean	648		660		644	
SD	86		87		94	
75th percentile	710		730		720	
50th percentile	660		670		660	
25th percentile	590		600		570	

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	26	6	429	35	28	16	51	21	153	28	105	26
700-740	93	20	204	17	43	24	56	23	89	16	74	18
650-690	117	25	217	18	36	20	59	24	107	19	88	22
600-640	110	24	211	17	32	18	39	16	88	16	69	17
550-590	68	15	124	10	19	11	25	10	54	10	45	11
500-540	31	7	31	3	11	6	10	4	39	7	18	4
450-490	17	4	7	1	6	3	3	1	18	3	7	2
400-440	3	1	1	0	3	2	3	1	8	1		
350-390	3	1			1	1						
300-340												
250-290												
200-240												
Total	468		1,224		179		246		556		406	
Mean	639		695		659		676		670		679	
SD	77		81		89		81		94		82	
75th percentile	700		770		720		740		750		750	
50th percentile	650		710		670		690		680		680	
25th percentile	590		630		610		630		610		620	

## 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	14	82	16	24	1	7						
700-740	1	6	12	18	2	14	1	14				
650-690	1	6	9	13					1	20	1	100
600-640	1	6	12	18	4	29	1	14	1	20		
550-590			8	12	2	14	2	29	1	20		
500-540			5	7	1	7			1	20		
450-490			2	3	3	21	1	14	1	20		
400-440			3	4	1	7	2	29				
350-390												
300-340												
250-290												
200-240												
Total	17		67		14		7		5		1	
Mean	765		654		586		539		558			
SD			104									
75th percentile			730									
50th percentile			670									
25th percentile			580									

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	3	33	8	80	4	31	26	12	6	27
700-740					2	20			38	18	2	9
650-690			2	22			2	15	38	18	3	14
600-640			2	22			1	8	27	13	4	18
550-590			1	11			4	31	30	14	3	14
500-540							2	15	24	11	1	5
450-490									13	6	1	5
400-440			1	11					10	5	1	5
350-390									3	1	1	5
300-340									2	1		
250-290												
200-240												
Total	2		9		10		13		211		22	
Mean			663		777		649		625		635	
SD									108			
75th percentile									710		710	
50th percentile									630		640	
25th percentile									540		550	



## 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	28	0	544	528	537
Architecture and Related Services	110	2	551	565	540
Area, Ethnic, Cultural and Gender Studies	11	0	568	520	601
Biological and Biomedical Sciences	575	9	594	600	581
Business Management, Marketing, and Related Support Services	646	10	554	576	543
Communication, Journalism and Related Programs	174	3	568	540	563
Computer and Information Sciences and Support Services	141	2	599	621	570
Construction Trades	1	0			
Education	187	3	555	544	542
Engineering	1,042	16	601	637	578
Engineering Technologies/Technicians	49	1	570	613	531
English Language and Literature/Letters	120	2	628	564	598
Family and Consumer Sciences/Human Sciences	16	0	481	486	472
Foreign Languages, Literatures, and Linguistics	66	1	608	572	597
Health Professions and Related Clinical Services	916	14	562	567	553
History	79	1	608	556	570
Legal Professions and Studies	156	2	579	569	568
Liberal Arts and Sciences, General Studies, and Humanities	100	2	595	555	582
Library Science And Administration	1	0			
Mathematics and Statistics	71	1	616	659	596
Mechanic and Repair Technologies/Technician	2	0			
Military Technologies And Applied Sciences	41	1	568	566	531
Multi/Interdisciplinary Studies	62	1	613	609	601
Natural Resources and Conservation	43	1	574	555	564
Parks, Recreation, Leisure and Fitness Studies	25	0	537	531	492
Personal and Culinary Services	9	0	477	479	499
Philosophy and Religious Studies	22	0	640	600	602
Physical Sciences	168	3	629	650	597
Precision Production	0	0			
Psychology	272	4	559	531	539
Public Administration and Social Services Professions	13	0	542	510	548
Security and Protective Services	67	1	523	511	504
Social Sciences	185	3	616	588	593
Theology and Religious Vocations	21	0	576	540	543
Transportation and Materials Moving	2	0			
Visual and Performing Arts	521	8	572	554	561
Other	67	1	557	546	528
Undecided	567	9	597	602	585
<b>Degree-Level Goal</b>					
Certificate Program	23	0	524	540	514
Associate Degree	13	0	530	522	514
Bachelor's Degree	1,797	27	546	548	528
Master's Degree	2,102	32	580	586	565
Doctoral or Related Degree	1,710	26	603	605	589
Other	20	0	516	511	482
Undecided	890	14	580	580	565

## College Plans

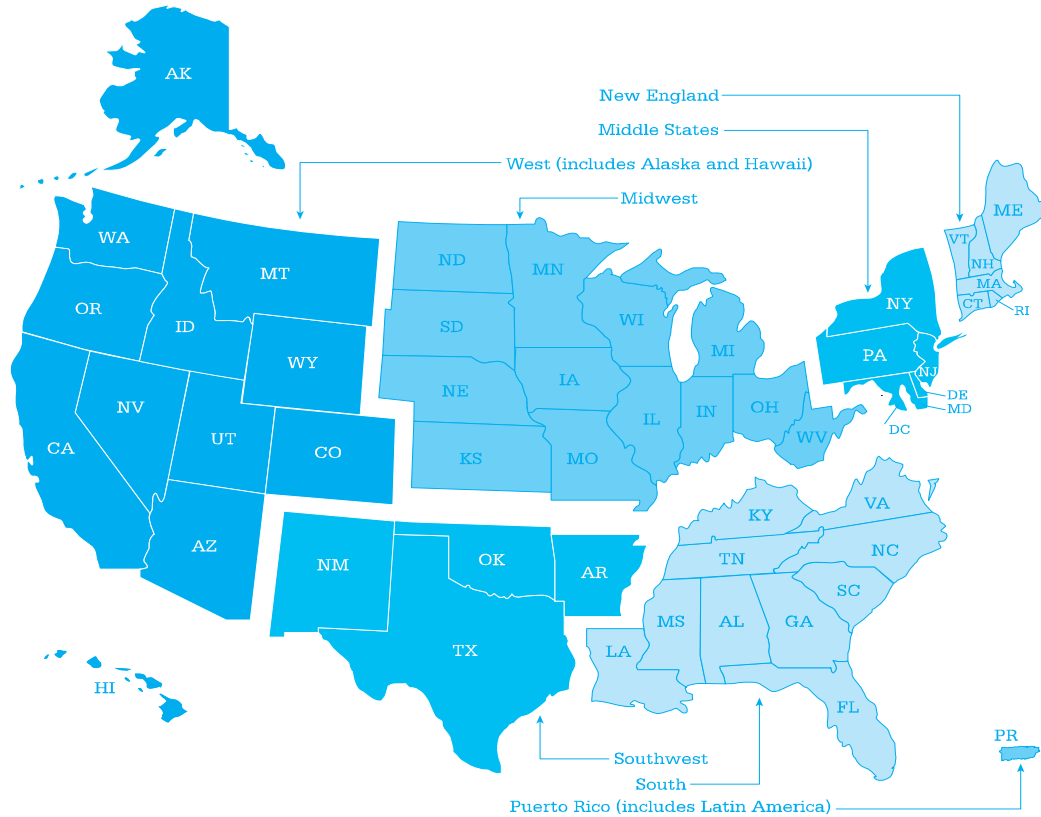
**Table 27: Institutions That Received the Most SAT Program Score Reports from Your Students**

Of the 7,876 students from your state who took the SAT and/or an SAT Subject Test, 5,166 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 1,119 institutions received score reports from your students.

Institution	State	Type	Number of Students	Percent of Score Senders*
UNIVERSITY OF COLORADO BOULDER	CO	Public	1,946	37.7
COLORADO STATE UNIVERSITY FT COLLINS	CO	Public	1,326	25.7
UNIVERSITY OF DENVER	CO	Private	814	15.8
COLORADO SCHOOL OF MINES	CO	Public	764	14.8
STANFORD UNIVERSITY	CA	Private	586	11.3
UNIVERSITY OF COLORADO COLORADO SPRINGS	CO	Public	418	8.1
BOETTCHER FOUNDATION SCHOLARSHIP	CO	Scholarship	361	7.0
UNIVERSITY OF SOUTHERN CALIFORNIA	CA	Private	360	7.0
HARVARD UNDERGRADUATE ADMISSIONS	MA	Private	314	6.1
UNIVERSITY OF NORTHERN COLORADO	CO	Public	304	5.9
PRINCETON UNIVERSITY	NJ	Private	291	5.6
UNIVERSITY OF CALIFORNIA BERKELEY	CA	Public	288	5.6
NORTHWESTERN UNIVERSITY	IL	Private	282	5.5
CORNELL UNIVERSITY	NY	Private	279	5.4
NCAA ELIGIBILITY CENTER	IN	Public	264	5.1
YALE UNIVERSITY	CT	Private	262	5.1
COLORADO COLLEGE	CO	Private	261	5.1
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	MA	Private	252	4.9
NATIONAL MERIT SCHOLARSHIP CORPORATION	IL	Scholarship	252	4.9
DUKE UNIVERSITY	NC	Private	245	4.7
COLUMBIA UNIVERSITY UNDERGRADUATE ADMISS	NY	Private	222	4.3
BROWN UNIVERSITY	RI	Private	221	4.3
UNIVERSITY OF CHICAGO	IL	Private	214	4.1
CENTER FOR BRIGHT KIDS	CO	Scholarship	214	4.1
SANTA CLARA UNIVERSITY	CA	Private	212	4.1
UNIVERSITY OF CALIFORNIA LOS ANGELES	CA	Public	210	4.1
UNIVERSITY COLORADO DENVER	CO	Public	205	4.0
BOSTON UNIVERSITY	MA	Private	205	4.0
UNIVERSITY OF WASHINGTON	WA	Public	197	3.8
UNIVERSITY OF MICHIGAN ANN ARBOR	MI	Public	196	3.8
DARTMOUTH COLLEGE	NH	Private	190	3.7
UNIVERSITY OF PENNSYLVANIA UNDERGRADUATE	PA	Private	183	3.5
NEW YORK UNIVERSITY	NY	Private	181	3.5
MONTANA STATE UNIVERSITY	MT	Public	178	3.4
UNIVERSITY OF OREGON	OR	Public	167	3.2
VANDERBILT UNIVERSITY	TN	Private	161	3.1
GEORGETOWN UNIVERSITY	DC	Private	157	3.0
UNIVERSITY OF TEXAS AUSTIN	TX	Public	154	3.0
CARNEGIE MELLON UNIVERSITY	PA	Private	154	3.0
RICE UNIVERSITY	TX	Private	153	3.0
BAYLOR UNIVERSITY	TX	Private	153	3.0
WASHINGTON UNIVERSITY	MO	Private	151	2.9
UNIVERSITY WYOMING	WY	Public	146	2.8
UNIVERSITY OF VIRGINIA	VA	Public	142	2.7
UNIVERSITY OF SAN DIEGO	CA	Private	140	2.7

\*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.

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