



2013 College-Bound Seniors

# State Profile Report



VERMONT

## Included in This Report

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[SAT® Data](#)

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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® 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	4,720	516	110	519	109	505	107	50.2	10.9	7.4	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	2,217	516	112	533	110	496	108	49.6	10.9	7.2	1.5
Female	2,503	516	109	506	106	514	106	50.7	10.9	7.6	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)	3,177	509	107	514	106	501	105	49.6	10.7	7.4	1.4
Junior (2011-2012)	1,539	530	116	528	113	514	111	51.3	11.4	7.5	1.5
Sophomore (2010-2011)	4										
Freshman (2009-2010)	0										
Total	4,720	516	110	519	109	505	107	50.2	10.9	7.4	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	590	600	580	570	600	560
50th	510	510	500	490	510	480
25th	440	440	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	135	146	281	171	103	274	85	123	208
600-690	401	430	831	492	425	917	339	455	794
500-590	695	830	1,525	721	760	1,481	624	774	1,398
400-490	694	791	1,485	603	860	1,463	790	838	1,628
300-390	246	265	511	198	310	508	333	276	609
200-290	46	41	87	32	45	77	46	37	83

### Table 7: Type of High School

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Public	3,820	83	46	54	515	514	502
Religiously Affiliated	139	3	51	49	527	529	527
Independent	620	14	50	50	522	547	522
Other or Unknown	141		51	49	527	503	513

### 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	293	6	481	106	462	113	461	104
Nonstandard Conditions	221	5	477	111	467	126	465	113

## 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	23	0	477		475		467	
Asian, Asian American, or Pacific Islander	239	5	468	131	604	123	497	127
Black or African American	90	2	449	99	436	99	434	99
Mexican or Mexican American	13	0	468		497		460	
Puerto Rican	21	0	508		490		495	
Other Hispanic, Latino, or Latin American	60	1	497	97	482	110	484	104
White	4,088	87	520	108	517	106	508	106
Other	69	1	556	91	522	95	537	98
No Response	117	2	530	113	513	110	506	100
Total	4,720	100	516	110	519	109	505	107

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	10	0	481		504		480	
Asian, Asian American, or Pacific Islander	124	3	454	131	623	114	483	130
Black or African American	41	1	451	89	446	94	426	94
Mexican or Mexican American	6	0	443		480		407	
Puerto Rican	7	0	480		467		466	
Other Hispanic, Latino, or Latin American	37	1	482	91	488	115	462	105
White	1,893	40	522	109	531	107	499	106
Other	29	1	544	80	533	84	519	80
No Response	70	1	531	120	534	107	498	101
Total	2,217	47	516	112	533	110	496	108

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	13	0	473		452		457	
Asian, Asian American, or Pacific Islander	115	2	483	129	583	129	511	121
Black or African American	49	1	448	107	428	102	441	102
Mexican or Mexican American	7	0	490		511		506	
Puerto Rican	14	0	521		501		509	
Other Hispanic, Latino, or Latin American	23	0	520		473		520	
White	2,195	47	519	108	504	103	515	105
Other	40	1	565	98	514	102	550	107
No Response	47	1	529	102	482	107	519	97
Total	2,503	53	516	109	506	106	514	106

## 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	4,720	100	516	110	519	109	505	107
<b>First Language Learned</b>								
English	4,121	90	521	107	517	105	508	106
English and Another	192	4	503	110	516	112	501	110
Another Language	241	5	442	115	569	136	469	115
No Response	166		513	131	499	128	492	114
<b>Citizenship</b>								
U.S. Citizen / U.S. National	4,232	97	523	107	518	105	511	105
U.S. Permanent Resident or Refugee	38	1	450	123	503	118	446	100
Citizen of Another Country	111	3	432	105	592	118	469	115
Other, Unknown, or No Response	339		467	122	501	135	459	111
<b>Plans to Apply for Financial Aid</b>								
Yes	3,202	82	520	107	517	104	508	104
No	178	5	522	101	544	113	530	110
Don't Know	505	13	524	114	538	115	513	116
No Response	835		497	120	508	119	484	110
<b>Family Income</b>								
\$0 - \$20,000	152	6	469	103	467	100	456	98
\$20,000–\$40,000	366	14	484	101	480	93	473	98
\$40,000–\$60,000	417	16	504	102	501	96	491	96
\$60,000–\$80,000	468	18	523	103	522	102	508	97
\$80,000–\$100,000	406	16	529	106	532	104	518	102
\$100,000–\$120,000	277	11	541	104	539	109	525	102
\$120,000–\$140,000	132	5	530	108	550	99	524	105
\$140,000–\$160,000	105	4	550	103	545	100	533	99
\$160,000–\$200,000	99	4	541	115	548	105	536	116
More than \$200,000	117	5	550	103	574	105	556	106
No Response	2,181		515	114	519	114	505	111
<b>Highest Level of Parental Education</b>								
No High School Diploma	56	1	419	99	464	122	422	104
High School Diploma	1,213	28	466	90	475	98	457	88
Associate Degree	457	10	489	96	492	98	478	95
Bachelor's Degree	1,508	35	534	103	534	102	520	100
Graduate Degree	1,133	26	574	108	568	106	563	106
No Response	353		479	117	489	112	473	110
<b>Took the PSAT/NMSQT®</b>								
Yes, As a Junior	2,096	50	526	107	530	104	517	106
Yes, As a Sophomore or Younger	574	14	517	99	517	102	508	97
Yes, As a Junior and As a Sophomore or Younger	690	17	562	104	564	98	554	97
No	818	20	475	103	468	100	454	97
No Response	542		481	119	498	124	473	110

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	642	36	41	59	600	612	595
Second Tenth	489	27	45	55	530	540	523
Second Fifth	292	16	61	39	498	504	482
Final Three Fifths	356	20	55	45	446	448	433
No Response	2,941		46	54	506	505	494

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)	203	5	34	66	642	648	636
A (93–96)	910	21	34	66	584	588	580
A- (90–92)	902	21	43	57	537	546	530
B (80–89)	1,979	46	52	48	481	482	467
C (70–79)	314	7	64	36	437	425	423
D, E, or F (below 70)	7	0	86	14	483	470	421
No Response	405		52	48	489	491	472
<b>Mean Grade Point Average</b>	<b>All Students: 3.38</b>		<b>Male: 3.27</b>		<b>Female: 3.48</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	2.3	2.7	2.5	3.70	3.86	3.79
English and Language Arts	3.9	3.9	3.9	3.32	3.58	3.46
Foreign and Classical Languages	2.8	3.1	3.0	3.24	3.49	3.38
Mathematics	3.9	3.9	3.9	3.20	3.26	3.23
Natural Sciences	3.6	3.6	3.6	3.28	3.36	3.32
Social Sciences and History	3.6	3.6	3.6	3.38	3.48	3.43
<b>Total for All Subjects</b>	<b>20.1</b>	<b>20.8</b>	<b>20.5</b>			

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 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	440	12	40	60	543	547	535	
4 Years	2,737	74	46	54	526	524	515	
3 Years	379	10	45	55	477	486	468	
2 Years	61	2	61	39	480	512	484	
1 Year	34	1	44	56	484	491	478	
1/2 Year or Less	34	1	56	44	478	497	440	
No Response	1,035		51	49	498	507	486	
AP®/Honors Courses	1,403	38	37	63	572	564	566	
<b>Course Work or Experience</b>								
English/Language Arts	3,340	96	45	55	523	522	512	
Journalism	390	11	47	53	502	496	491	
Creative Writing	1,243	36	41	59	518	509	509	
American Literature	2,316	67	45	55	525	525	514	
Composition/Writing	1,939	56	45	55	525	522	514	
British Literature	728	21	41	59	546	537	534	
World Literature	1,192	34	45	55	533	527	519	
Communications	255	7	55	45	497	509	488	
Public Speaking	657	19	46	54	525	528	517	
English As Second Language	157	5	51	49	447	533	466	

<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	700	19	48	52	552	582	545	
4 Years	2,143	58	46	54	528	525	518	
3 Years	696	19	43	57	481	464	467	
2 Years	95	3	48	52	475	470	469	
1 Year	21	1	57	43	453	471	449	
1/2 Year or Less	39	1	51	49	473	481	448	
No Response	1,026		50	50	498	506	486	
AP/Honors Courses	1,231	33	47	53	580	603	573	
<b>Highest Level of Mathematics Achieved*</b>								
Calculus	1,197	33	50	50	579	609	573	
Pre-calculus	1,013	28	41	59	524	522	516	
Geometry	1,192	33	45	55	472	450	458	
Algebra II	48	1	42	58	465	441	442	
Algebra I	39	1	49	51	409	368	387	

\*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

Natural Sciences	Test-Takers		Percent by Gender		SAT Mean Scores			
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	480	13	44	56	559	583	552	
4 Years	1,795	49	46	54	535	533	525	
3 Years	1,007	28	46	54	491	485	479	
2 Years	196	5	47	53	495	495	484	
1 Year	95	3	46	54	502	500	480	
1/2 Year or Less	65	2	48	52	478	479	465	
No Response	1,082		50	50	497	505	485	
AP/Honors Courses	1,172	32	43	57	581	588	574	
<b>Course Work or Experience</b>								
Biology	3,401	97	45	55	524	523	513	
Chemistry	3,137	89	45	55	529	532	519	
Physics	2,241	64	50	50	539	548	529	
Geology, Earth, or Space Science	2,595	74	45	55	517	516	506	
Other Sciences	1,483	42	41	59	512	507	500	

Social Sciences and History	Test-Takers		Percent by Gender		SAT Mean Scores			
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	350	10	46	54	552	551	543	
4 Years	1,992	54	47	53	534	530	524	
3 Years	1,089	30	44	56	499	505	486	
2 Years	156	4	51	49	479	491	475	
1 Year	44	1	48	52	477	504	480	
1/2 Year or Less	38	1	50	50	478	477	449	
No Response	1,051		50	50	497	507	486	
AP/Honors Courses	1,199	33	43	57	579	571	571	
<b>Course Work or Experience</b>								
U.S. History	3,342	95	45	55	522	522	511	
World History or Cultures	2,758	79	45	55	527	525	516	
U.S. Government or Civics	1,868	53	46	54	524	522	512	
Economics	799	23	49	51	523	530	515	
Geography	804	23	45	55	504	508	498	
Psychology	1,334	38	35	65	524	519	515	
European History	1,018	29	47	53	542	537	532	
Sociology	587	17	35	65	508	506	499	
Ancient History	803	23	46	54	533	529	522	
Other Courses	1,042	30	41	59	519	514	507	

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	380	10	39	61	584	584	577
4 Years	997	27	41	59	569	564	562
3 Years	1,031	28	47	53	521	524	512
2 Years	842	23	50	50	483	482	467
1 Year	174	5	53	47	444	447	428
1/2 Year or Less	229	6	53	47	429	439	412
No Response	1,067		51	49	496	505	485
AP/Honors Courses	504	14	37	63	596	588	596
<b>Course Work or Experience</b>							
Chinese	100	3	48	52	543	572	537
French	1,315	38	41	59	534	529	524
German	209	6	52	48	533	523	513
Greek	23	1	57	43	569	561	527
Hebrew	5	0	100	0	456	514	478
Italian	22	1	23	77	505	503	483
Japanese	65	2	38	62	518	532	503
Korean	8	0	75	25	456	614	486
Latin	438	13	41	59	549	534	539
Russian	17	0	53	47	520	531	504
Spanish	1,851	53	46	54	523	523	513
Other Languages	51	1	43	57	537	549	527

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	352	10	40	60	549	545	534	
4 Years	757	21	38	62	546	527	534	
3 Years	582	16	38	62	509	506	502	
2 Years	889	24	48	52	515	519	505	
1 Year	750	21	54	46	512	525	501	
1/2 Year or Less	300	8	62	38	496	520	487	
No Response	1,090		50	50	499	507	487	
AP/Honors Courses	223	6	37	63	566	567	557	
<b>Course Work or Experience</b>								
Acting or Play Production	751	22	38	62	565	540	550	
Art History or Appreciation	577	17	40	60	512	502	500	
Dance	421	12	12	88	527	517	526	
Drama: Study or Appreciation	446	13	35	65	540	518	527	
Music: Study or Appreciation	462	14	52	48	554	540	541	
Music Performance	1,503	44	42	58	544	537	535	
Photography or Film	1,066	31	37	63	520	512	515	
Studio Art and Design	1,276	37	36	64	530	527	520	
None	391	11	64	36	476	496	462	

<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	Writing
Computer Literacy	1,868	57	46	54	527	526	515
Computer Programming	427	13	59	41	518	526	500
Word Processing	1,928	59	46	54	529	526	517
Internet Activity	1,503	46	46	54	531	529	519
Using Computer Graphics	1,126	34	52	48	519	522	509
Creating Spreadsheets/Databases	1,108	34	46	54	527	528	517
None	586	18	40	60	512	514	508

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
818	1,961	803	623	633	624

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	108	13
2	375	46
3	256	31
4 or More	79	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	298	633	89	293	650	84	615	83	643	81	
<b>History and Social Studies</b>											
U.S. History	248	619	99	243	637	85	620	86	632	87	
World History	28	600	107	28	650	80	606	76	640	82	
<b>Mathematics</b>											
Mathematics Level 1	326	626	78	323	611	84	635	70	616	82	
Mathematics Level 2	326	673	87	318	637	102	686	68	643	88	
<b>Science</b>											
Biology-E	119	622	91	116	615	90	610	93	616	89	
Biology-M	97	650	83	95	630	72	638	77	636	80	
Chemistry	243	618	101	240	624	96	660	82	626	89	
Physics	101	642	79	99	621	107	685	69	625	84	
<b>Foreign and Classical Languages</b>											
Chinese/Listening	5	778		4							
French	62	596	112	62	654	73	633	92	661	76	
French/Listening	14	569		14	662		684		678		
German	2			2							
German/Listening	2			2							
Modern Hebrew											
Italian	1			1							
Japanese/Listening	4			4							
Korean/Listening	1										
Latin	5	586		5	700		634		664		
Spanish	65	594	100	65	653	86	623	83	650	76	
Spanish/Listening	14	594		13	672		625		634		

## 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	25	8	22	9	2	7
700-740	54	18	41	17	5	18
650-690	67	22	44	18	2	7
600-640	54	18	48	19	5	18
550-590	40	13	31	13	7	25
500-540	36	12	25	10	1	4
450-490	17	6	25	10	4	14
400-440	3	1	9	4	1	4
350-390	2	1	3	1		
300-340					1	4
250-290						
200-240						
Total	298		248		28	
Mean	633		619		600	
SD	89		99		107	
75th percentile	700		700		650	
50th percentile	640		630		590	
25th percentile	570		540		510	

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	19	6	89	27	14	12	13	13	33	14	13	13
700-740	50	15	52	16	11	9	18	19	28	12	17	17
650-690	62	19	40	12	22	18	23	24	41	17	20	20
600-640	83	25	78	24	25	21	21	22	35	14	18	18
550-590	62	19	43	13	23	19	10	10	45	19	21	21
500-540	33	10	21	6	14	12	7	7	33	14	11	11
450-490	12	4	3	1	8	7	3	3	19	8	1	1
400-440	4	1			2	2	2	2	6	2		
350-390	1	0							3	1		
300-340												
250-290												
200-240												
Total	326		326		119		97		243		101	
Mean	626		673		622		650		618		642	
SD	78		87		91		83		101		79	
75th percentile	680		750		680		710		690		700	
50th percentile	630		660		620		650		610		640	
25th percentile	570		610		560		600		540		570	

## 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	4	80	7	11	2	14						
700-740	1	20	5	8			1	50				
650-690			11	18	1	7						
600-640			4	6	1	7						
550-590			12	19	3	21			2	100		
500-540			9	15	3	21	1	50				
450-490			10	16	3	21						
400-440			3	5	1	7						
350-390			1	2								
300-340												
250-290												
200-240												
Total	5		62		14		2		2			
Mean	778		596		569							
SD			112									
75th percentile			660									
50th percentile			590									
25th percentile			500									

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			1	25	1	100			6	9	1	7
700-740							1	20	7	11		
650-690			1	25					9	14	5	36
600-640			1	25			1	20	7	11	1	7
550-590							1	20	15	23	4	29
500-540			1	25			2	40	9	14		
450-490									9	14	1	7
400-440									2	3	2	14
350-390	1	100							1	2		
300-340												
250-290												
200-240												
Total	1		4		1		5		65		14	
Mean							586		594		594	
SD									100			
75th percentile									670			
50th percentile									580			
25th percentile									510			



## 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	60	2	478	482	472
Architecture and Related Services	55	1	486	541	500
Area, Ethnic, Cultural and Gender Studies	10	0	582	525	562
Biological and Biomedical Sciences	219	5	548	552	538
Business Management, Marketing, and Related Support Services	409	10	489	522	486
Communication, Journalism and Related Programs	97	2	519	492	510
Computer and Information Sciences and Support Services	97	2	534	553	501
Construction Trades	10	0	409	460	378
Education	224	6	494	483	485
Engineering	280	7	555	589	532
Engineering Technologies/Technicians	35	1	503	539	494
English Language and Literature/Letters	83	2	576	507	561
Family and Consumer Sciences/Human Sciences	13	0	445	486	455
Foreign Languages, Literatures, and Linguistics	56	1	601	556	586
Health Professions and Related Clinical Services	623	16	505	512	503
History	57	1	555	522	538
Legal Professions and Studies	54	1	552	529	539
Liberal Arts and Sciences, General Studies, and Humanities	77	2	589	556	592
Library Science And Administration	1	0			
Mathematics and Statistics	42	1	566	639	571
Mechanic and Repair Technologies/Technician	17	0	404	446	398
Military Technologies And Applied Sciences	14	0	525	504	491
Multi/Interdisciplinary Studies	18	0	591	583	561
Natural Resources and Conservation	58	1	521	515	504
Parks, Recreation, Leisure and Fitness Studies	43	1	484	489	459
Personal and Culinary Services	23	1	464	453	444
Philosophy and Religious Studies	13	0	612	527	561
Physical Sciences	63	2	564	577	540
Precision Production	0	0			
Psychology	227	6	509	493	502
Public Administration and Social Services Professions	18	0	482	444	489
Security and Protective Services	101	3	457	467	437
Social Sciences	100	3	605	581	591
Theology and Religious Vocations	3	0			
Transportation and Materials Moving	4	0			
Visual and Performing Arts	346	9	528	501	513
Other	98	2	472	470	462
Undecided	349	9	545	555	535
<b>Degree-Level Goal</b>					
Certificate Program	41	1	426	477	416
Associate Degree	91	2	424	425	412
Bachelor's Degree	1,577	40	497	498	485
Master's Degree	956	24	545	540	534
Doctoral or Related Degree	519	13	566	571	559
Other	11	0	516	543	474
Undecided	731	19	521	522	513

## College Plans

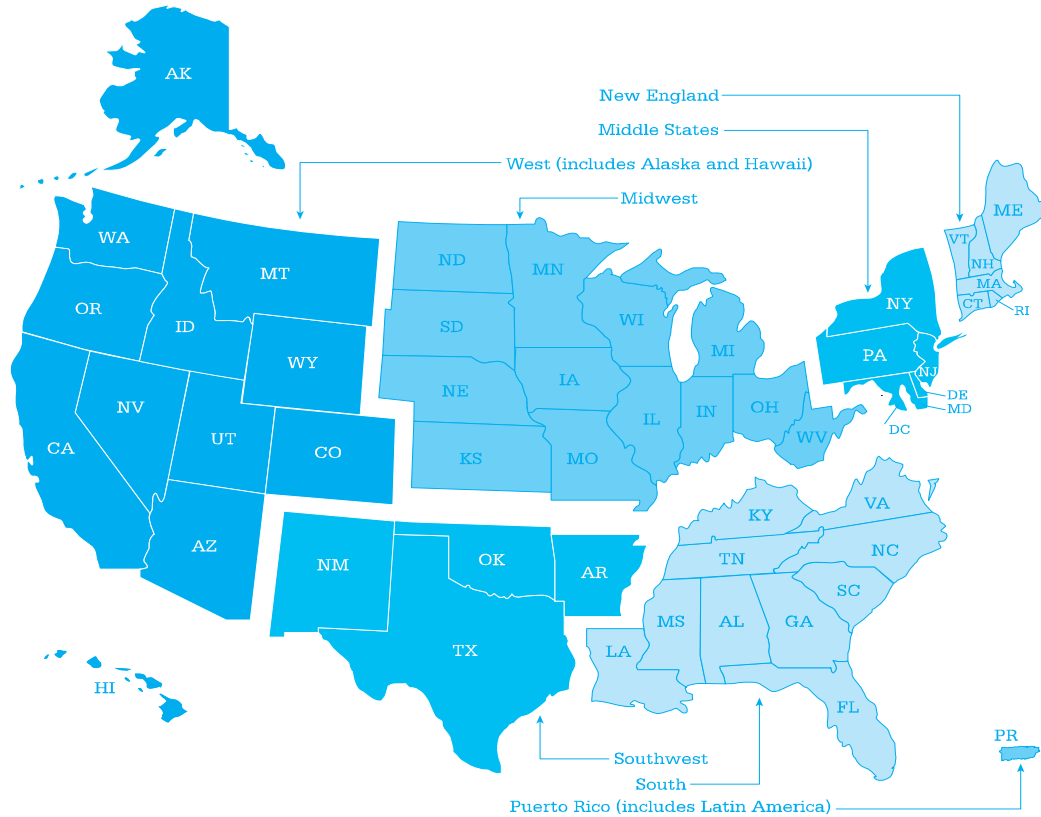
**Table 27: Institutions That Received the Most SAT Program Score Reports from Your Students**

Of the 4,735 students from your state who took the SAT and/or an SAT Subject Test, 3,574 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 994 institutions received score reports from your students.

Institution	State	Type	Number of Students	Percent of Score Senders*
UNIVERSITY OF VERMONT	VT	Public	1,874	52.4
CASTLETON STATE COLLEGE	VT	Public	652	18.2
UNIVERSITY OF NEW HAMPSHIRE DURHAM	NH	Public	351	9.8
NORTHEASTERN UNIVERSITY	MA	Private	346	9.7
CHAMPLAIN COLLEGE	VT	Private	312	8.7
LYNDON STATE COLLEGE	VT	Public	290	8.1
JOHNSON STATE COLLEGE	VT	Public	287	8.0
SAINT MICHAELS COLLEGE	VT	Private	268	7.5
VERMONT TECHNICAL COLLEGE	VT	Public	240	6.7
BOSTON UNIVERSITY	MA	Private	226	6.3
UNIVERSITY OF MASSACHUSETTS AMHERST	MA	Public	220	6.2
KEENE STATE COLLEGE	NH	Public	205	5.7
DARTMOUTH COLLEGE	NH	Private	189	5.3
CLARKSON UNIVERSITY	NY	Private	188	5.3
MIDDLEBURY COLLEGE	VT	Private	183	5.1
UNIVERSITY OF NEW ENGLAND	ME	Private	172	4.8
UNIVERSITY OF MAINE ORONO	ME	Public	171	4.8
UNIVERSITY OF RHODE ISLAND	RI	Public	164	4.6
TUFTS UNIVERSITY	MA	Private	143	4.0
PLYMOUTH STATE UNIVERSITY	NH	Public	142	4.0
SYRACUSE UNIVERSITY	NY	Private	139	3.9
ITHACA COLLEGE	NY	Private	137	3.8
SKIDMORE COLLEGE	NY	Private	128	3.6
NORWICH UNIVERSITY	VT	Private	128	3.6
BOSTON COLLEGE	MA	Private	128	3.6
STATE UNIVERSITY NEW YORK PLATTSBURGH	NY	Public	125	3.5
RENSSELAER POLYTECHNIC INSTITUTE	NY	Private	125	3.5
UNIVERSITY OF CONNECTICUT	CT	Public	124	3.5
CORNELL UNIVERSITY	NY	Private	123	3.4
BROWN UNIVERSITY	RI	Private	121	3.4
QUINNIPIAC UNIVERSITY	CT	Private	118	3.3
DREXEL UNIVERSITY	PA	Private	115	3.2
ROCHESTER INSTITUTE OF TECHNOLOGY	NY	Private	113	3.2
ENDICOTT COLLEGE	MA	Private	111	3.1
HARVARD UNDERGRADUATE ADMISSIONS	MA	Private	109	3.0
NEW YORK UNIVERSITY	NY	Private	107	3.0
NCAA ELIGIBILITY CENTER	IN	Public	102	2.9
JOHNS HOPKINS UNIVERSITY CENTER FOR TALE	MD	Private	95	2.7
UNIVERSITY OF SOUTHERN MAINE	ME	Public	89	2.5
FRANKLIN PIERCE UNIVERSITY	NH	Private	85	2.4
WORCESTER POLYTECHNIC INSTITUTE	MA	Private	83	2.3
COLBY-SAWYER COLLEGE	NH	Private	82	2.3
AMERICAN UNIVERSITY DC THE	DC	Private	82	2.3
UNIVERSITY OF COLORADO BOULDER	CO	Public	81	2.3
SAINT LAWRENCE UNIVERSITY	NY	Private	79	2.2

\*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



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