

# SAT<sup>®</sup>

2014 College-Bound Seniors

# State Profile Report



ARIZONA

## 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 2014 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 Oct. 7, 2014 when the College Board will make state and total group-level data and information publicly available.** 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 2014 includes students who tested through June 2014.

## Using This Report

College-Bound Seniors presents data on high school graduates in the year 2014 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, 1972–2014

<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
2014	499	495	497	530	499	513	481	492	487

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 2000–2014, 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<sup>®</sup> Data

Data in this report are for high school graduates in the year 2014. Information is summarized for seniors who took the SAT at any time during their high school years through June 2014. 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	22,624	522	103	525	104	500	101	50.5	10.3	7.1	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	10,111	527	106	545	107	495	104	50.2	10.6	6.9	1.5
Female	12,513	518	100	509	99	505	98	50.7	10.1	7.2	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 (2013-2014)	14,438	511	101	513	102	488	98	49.2	10.0	7.0	1.4
Junior (2012-2013)	8,153	542	103	545	105	523	103	52.8	10.5	7.2	1.4
Sophomore (2011-2012)	31	517	115	546	121	510	121	51.6	11.3	7.1	1.6
Freshman (2010-2011)	2										
Total	22,624	522	103	525	104	500	101	50.5	10.3	7.1	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	1,672,395	497	115	513	120	487	115	48.9	11.6	7.0	1.7

\*Writing data are based on students who took the current version of the SAT, first administered in March 2005. All students in the 2014 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	560	570	600	560
50th	520	520	490	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	568	539	1,107	827	471	1,298	372	433	805
600-690	2,062	2,166	4,228	2,488	1,943	4,431	1,353	1,866	3,219
500-590	3,559	4,475	8,034	3,476	4,423	7,899	3,036	4,076	7,112
400-490	2,891	4,061	6,952	2,549	4,219	6,768	3,665	4,575	8,240
300-390	883	1,142	2,025	675	1,344	2,019	1,501	1,441	2,942
200-290	148	130	278	96	113	209	184	122	306

### Table 7: Type of High School

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Public	19,730	90	44	56	519	523	497
Religiously Affiliated	1,836	8	50	50	547	540	530
Independent	289	1	50	50	571	579	552
Other or Unknown	769		44	56	526	512	501

### 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	970	4	510	106	509	100	481	99
Nonstandard Conditions	169	1	500	128	503	120	486	121

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	369	2	476	95	488	93	443	89
Asian, Asian American, or Pacific Islander	1,854	8	543	120	583	116	530	124
Black or African American	1,237	5	480	99	470	97	453	96
Mexican or Mexican American	3,272	14	487	95	485	96	468	91
Puerto Rican	150	1	510	86	500	94	488	89
Other Hispanic, Latino, or Latin American	1,966	9	477	100	479	100	460	95
White	12,839	57	540	97	541	97	517	95
Other	567	3	535	104	531	109	516	107
No Response	370	2	517	103	503	98	486	96
Total	22,624	100	522	103	525	104	500	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	154	1	486	109	511	105	445	94
Asian, Asian American, or Pacific Islander	853	4	544	122	597	114	521	126
Black or African American	582	3	475	98	477	101	439	96
Mexican or Mexican American	1,409	6	494	99	507	100	465	95
Puerto Rican	56	0	503	90	513	84	469	92
Other Hispanic, Latino, or Latin American	797	4	481	107	499	108	456	99
White	5,819	26	544	99	560	100	511	98
Other	258	1	548	112	556	113	521	117
No Response	183	1	517	110	516	101	478	101
Total	10,111	45	527	106	545	107	495	104

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	215	1	469	83	471	81	442	85
Asian, Asian American, or Pacific Islander	1,001	4	542	118	571	115	537	121
Black or African American	655	3	485	100	464	92	466	94
Mexican or Mexican American	1,863	8	481	92	469	89	470	88
Puerto Rican	94	0	514	83	493	99	499	85
Other Hispanic, Latino, or Latin American	1,169	5	474	95	465	92	462	92
White	7,020	31	536	94	525	92	522	93
Other	309	1	525	96	510	101	513	97
No Response	187	1	518	96	491	93	494	91
Total	12,513	55	518	100	509	99	505	98

## 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	22,624	100	522	103	525	104	500	101
<b>First Language Learned</b>								
English	17,450	78	530	99	530	100	506	98
English and Another	2,835	13	500	111	508	115	485	110
Another Language	2,084	9	483	111	511	116	473	108
No Response	255		519	98	510	101	496	99
<b>Citizenship</b>								
U.S. Citizen / U.S. National	20,991	96	526	101	527	103	504	100
U.S. Permanent Resident or Refugee	545	2	493	123	522	123	482	117
Citizen of Another Country	356	2	460	111	528	121	453	103
Other, Unknown, or No Response	732		465	96	478	96	443	90
<b>Plans to Apply for Financial Aid</b>								
Yes	15,658	74	521	102	521	103	499	100
No	1,505	7	529	101	540	107	513	101
Don't Know	3,910	19	525	104	533	105	503	104
No Response	1,551		518	105	526	106	496	105
<b>Family Income</b>								
\$0 - \$20,000	1,493	10	468	104	474	103	451	96
\$20,000–\$40,000	2,422	15	491	97	492	98	468	93
\$40,000–\$60,000	2,348	15	508	96	508	96	484	91
\$60,000–\$80,000	2,185	14	522	97	519	96	497	94
\$80,000–\$100,000	1,995	13	529	96	533	96	505	96
\$100,000–\$120,000	1,716	11	536	95	540	99	514	94
\$120,000–\$140,000	930	6	533	96	537	96	510	95
\$140,000–\$160,000	691	4	543	94	553	97	525	95
\$160,000–\$200,000	753	5	540	96	547	97	519	95
More than \$200,000	1,105	7	564	96	573	102	548	100
No Response	6,986		531	107	535	109	511	107
<b>Highest Level of Parental Education</b>								
No High School Diploma	1,070	5	452	94	463	97	437	87
High School Diploma	6,053	28	490	95	490	96	468	90
Associate Degree	1,766	8	500	92	502	92	478	87
Bachelor's Degree	7,536	34	534	95	539	97	511	96
Graduate Degree	5,448	25	566	102	569	105	547	104
No Response	751		481	108	489	105	460	103
<b>Took the PSAT/NMSQT®</b>								
Yes, As a Junior	6,941	32	527	98	530	100	506	95
Yes, As a Sophomore or Younger	3,481	16	522	96	524	98	501	93
Yes, As a Junior and As a Sophomore or Younger	4,979	23	573	101	577	103	555	102
No	6,203	29	479	93	482	93	454	87
No Response	1,020		499	103	504	103	476	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	4,613	41	41	59	583	597	568
Second Tenth	3,232	28	44	56	520	531	498
Second Fifth	1,836	16	49	51	496	500	471
Final Three Fifths	1,705	15	50	50	459	454	438
No Response	11,238		45	55	511	509	488

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)	1,820	8	37	63	592	602	581
A (93–96)	5,499	26	38	62	562	573	547
A- (90–92)	4,628	22	42	58	530	535	509
B (80–89)	7,981	37	49	51	490	489	465
C (70–79)	1,523	7	61	39	449	441	421
D, E, or F (below 70)	22	0	82	18	467	472	440
No Response	1,151		49	51	499	493	467
<b>Mean Grade Point Average</b>	<b>All Students: 3.49</b>		<b>Male: 3.39</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	2.4	2.3	3.79	3.91	3.85
English and Language Arts	3.9	3.9	3.9	3.39	3.61	3.51
Foreign and Classical Languages	2.5	2.6	2.5	3.36	3.59	3.49
Mathematics	4.1	4.0	4.0	3.29	3.30	3.30
Natural Sciences	3.4	3.4	3.4	3.39	3.45	3.42
Social Sciences and History	3.3	3.3	3.3	3.50	3.57	3.54
<b>Total for All Subjects</b>	<b>19.2</b>	<b>19.6</b>	<b>19.4</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>		
<b>Years of Study</b>	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing	
More Than 4 Years	1,787	9	45	55	539	543	519	
4 Years	15,935	78	44	56	527	530	505	
3 Years	2,013	10	42	58	495	495	477	
2 Years	350	2	50	50	493	501	470	
1 Year	149	1	45	55	485	492	461	
1/2 Year or Less	201	1	52	48	441	460	419	
No Response	2,189		49	51	510	514	488	
AP@/Honors Courses	10,872	53	39	61	564	563	544	
<b>Course Work or Experience</b>								
English/Language Arts	18,875	98	44	56	524	526	503	
Journalism	1,395	7	30	70	521	508	502	
Creative Writing	2,932	15	40	60	519	510	499	
American Literature	10,690	55	43	57	533	533	511	
Composition/Writing	8,813	46	43	57	527	527	507	
British Literature	3,449	18	40	60	547	539	524	
World Literature	4,991	26	44	56	537	534	513	
Communications	1,091	6	43	57	500	501	481	
Public Speaking	2,236	12	43	57	524	519	505	
English As Second Language	671	3	43	57	440	480	431	
<b>Mathematics</b>								
<b>Years of Study</b>	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing	
More Than 4 Years	4,587	22	47	53	558	582	539	
4 Years	13,351	65	44	56	518	515	496	
3 Years	1,878	9	42	58	493	485	472	
2 Years	257	1	47	53	481	485	457	
1 Year	146	1	52	48	479	501	463	
1/2 Year or Less	215	1	44	56	448	446	421	
No Response	2,190		48	52	510	513	488	
AP/Honors Courses	10,150	50	45	55	564	581	544	
<b>Highest Level of Mathematics Achieved*</b>								
Calculus	7,013	35	49	51	575	601	556	
Pre-calculus	6,980	35	43	57	515	513	492	
Geometry	5,581	28	41	59	472	455	451	
Algebra II	144	1	47	53	470	458	443	
Algebra I	35	0	40	60	419	389	402	

\*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	1,814	9	46	54	568	582	549	
4 Years	7,988	40	45	55	543	548	523	
3 Years	8,581	43	42	58	503	502	482	
2 Years	946	5	52	48	492	498	467	
1 Year	406	2	48	52	488	495	465	
1/2 Year or Less	412	2	49	51	460	466	437	
No Response	2,477		48	52	509	513	487	
AP/Honors Courses	8,901	44	43	57	571	581	550	
<b>Course Work or Experience</b>								
Biology	19,251	98	44	56	524	527	503	
Chemistry	17,204	88	44	56	531	535	510	
Physics	10,176	52	51	49	550	563	529	
Geology, Earth, or Space Science	6,848	35	44	56	498	491	476	
Other Sciences	8,424	43	38	62	511	510	490	

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	1,156	6	47	53	562	564	541	
4 Years	7,036	35	45	55	539	537	518	
3 Years	9,464	47	42	58	517	523	495	
2 Years	2,007	10	47	53	495	500	473	
1 Year	342	2	47	53	486	495	466	
1/2 Year or Less	272	1	46	54	449	461	426	
No Response	2,347		48	52	508	512	486	
AP/Honors Courses	9,121	45	42	58	571	571	549	
<b>Course Work or Experience</b>								
U.S. History	18,974	97	44	56	524	527	503	
World History or Cultures	17,311	89	44	56	523	526	502	
U.S. Government or Civics	16,690	85	43	57	526	528	504	
Economics	14,316	73	43	57	526	530	505	
Geography	4,980	25	43	57	523	527	504	
Psychology	4,838	25	34	66	542	538	522	
European History	3,061	16	48	52	560	557	538	
Sociology	1,689	9	33	67	511	505	490	
Ancient History	2,148	11	48	52	534	529	509	
Other Courses	1,843	9	42	58	531	529	510	

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	916	5	41	59	581	590	570
4 Years	3,334	16	42	58	574	577	560
3 Years	4,202	21	41	59	539	543	519
2 Years	9,986	49	46	54	505	508	481
1 Year	1,024	5	46	54	478	475	450
1/2 Year or Less	805	4	48	52	454	456	426
No Response	2,357		49	51	509	513	487
AP/Honors Courses	4,925	24	39	61	578	587	565
<b>Course Work or Experience</b>							
Chinese	404	2	53	47	568	589	545
French	2,752	14	33	67	533	524	509
German	555	3	53	47	543	538	503
Greek	119	1	54	46	597	598	575
Hebrew	48	0	35	65	546	542	523
Italian	49	0	41	59	496	484	458
Japanese	200	1	49	51	535	538	496
Korean	30	0	40	60	472	575	443
Latin	564	3	47	53	586	582	556
Russian	52	0	37	63	514	504	470
Spanish	15,215	78	46	54	521	525	501
Other Languages	700	4	27	73	493	498	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>			
	<b>Years of Study</b>	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	1,418	7	37	63	552	548	530	
4 Years	3,635	18	34	66	545	538	526	
3 Years	2,757	14	36	64	529	525	508	
2 Years	4,551	23	43	57	518	522	496	
1 Year	5,936	30	54	46	518	529	496	
1/2 Year or Less	1,730	9	52	48	480	489	459	
No Response	2,597		49	51	510	514	487	
AP/Honors Courses	1,941	10	38	62	576	575	559	
<b>Course Work or Experience</b>								
Acting or Play Production	3,458	18	34	66	555	537	531	
Art History or Appreciation	3,285	17	43	57	524	522	502	
Dance	3,242	17	8	92	508	500	495	
Drama: Study or Appreciation	3,467	18	33	67	538	525	518	
Music: Study or Appreciation	2,242	12	46	54	564	557	542	
Music Performance	7,248	38	43	57	547	547	526	
Photography or Film	4,825	25	38	62	520	517	499	
Studio Art and Design	4,927	26	39	61	535	534	513	
None	2,343	12	63	37	488	504	463	
<b>Computers</b>								
<b>Course Work or Experience</b>	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing	
Computer Literacy	8,386	51	45	55	536	538	514	
Computer Programming	2,265	14	61	39	535	550	511	
Word Processing	7,650	47	43	57	538	538	516	
Internet Activity	6,597	40	43	57	538	538	516	
Using Computer Graphics	4,656	29	49	51	532	536	510	
Creating Spreadsheets/Databases	4,321	27	46	54	537	541	515	
None	4,702	29	39	61	519	524	500	

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
1,899	4,817	1,779	651	669	642

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	179	9
2	805	42
3	706	37
4 or More	209	11

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	572	633	102	530	663	92	642	90	647	92
<b>History and Social Studies</b>										
U.S. History	679	660	95	648	666	87	668	85	658	90
World History	94	632	116	88	678	96	676	99	660	105
<b>Mathematics</b>										
Mathematics Level 1	453	617	98	402	615	98	637	84	608	94
Mathematics Level 2	1,223	696	88	1,162	664	84	699	70	659	85
<b>Science</b>										
Biology-E	246	641	94	232	655	87	658	82	641	91
Biology-M	334	678	96	318	676	79	690	79	673	86
Chemistry	525	669	100	499	664	90	704	74	668	91
Physics	370	670	90	346	662	83	706	67	647	81
<b>Foreign and Classical Languages</b>										
Chinese/Listening	14	774		12	633		701		639	
French	35	589	98	32	656	88	660	91	648	96
French/Listening	6	662		6	637		618		640	
German	4			2						
German/Listening										
Modern Hebrew										
Italian	2			2						
Japanese/Listening	4			4						
Korean/Listening	13	770		12	551		701		578	
Latin	42	605	112	40	667	90	671	84	663	97
Spanish	177	652	101	173	644	91	642	88	643	90
Spanish/Listening	24	644		22	628		645		618	

## 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	71	12	138	20	19	20
700-740	96	17	154	23	13	14
650-690	134	23	125	18	17	18
600-640	94	16	111	16	8	9
550-590	65	11	63	9	14	15
500-540	44	8	39	6	8	9
450-490	39	7	27	4	10	11
400-440	16	3	14	2	3	3
350-390	9	2	8	1	2	2
300-340	4	1				
250-290						
200-240						
Total	572		679		94	
Mean	633		660		632	
SD	102		95		116	
75th percentile	710		730		730	
50th percentile	650		680		650	
25th percentile	560		610		540	

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	36	8	460	38	40	16	94	28	137	26	92	25
700-740	74	16	211	17	33	13	69	21	111	21	68	18
650-690	84	19	209	17	56	23	55	16	93	18	74	20
600-640	88	19	145	12	36	15	56	17	68	13	61	16
550-590	70	15	133	11	37	15	27	8	44	8	39	11
500-540	43	9	42	3	30	12	19	6	32	6	22	6
450-490	30	7	16	1	8	3	7	2	22	4	8	2
400-440	17	4	5	0	4	2	3	1	16	3	5	1
350-390	9	2	1	0	2	1	3	1	2	0	1	0
300-340	2	0	1	0			1	0				
250-290												
200-240												
Total	453		1,223		246		334		525		370	
Mean	617		696		641		678		669		670	
SD	98		88		94		96		100		90	
75th percentile	690		780		720		750		750		740	
50th percentile	630		710		650		690		690		680	
25th percentile	560		640		570		620		610		610	

## 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	12	86	3	9	2	33	1	25				
700-740	1	7	3	9	1	17						
650-690	1	7	5	14								
600-640			3	9			1	25				
550-590			9	26	2	33	1	25				
500-540			7	20	1	17						
450-490			3	9								
400-440			2	6			1	25				
350-390												
300-340												
250-290												
200-240												
Total	14		35		6		4					
Mean	774		589		662							
SD			98									
75th percentile			660									
50th percentile			560									
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	50	3	75	10	77	4	10	39	22	7	29
700-740			1	25	1	8	8	19	34	19	3	13
650-690	1	50			1	8	8	19	24	14	3	13
600-640					1	8	2	5	29	16	4	17
550-590							4	10	22	12	2	8
500-540							8	19	15	8	2	8
450-490							4	10	8	5	1	4
400-440							4	10	6	3	1	4
350-390												
300-340											1	4
250-290												
200-240												
Total	2		4		13		42		177		24	
Mean					770		605		652		644	
SD							112		101			
75th percentile							700		730		750	
50th percentile							610		660		650	
25th percentile							510		580		580	



## 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	159	1	498	482	475
Architecture and Related Services	248	1	499	531	475
Area, Ethnic, Cultural and Gender Studies	17	0	524	496	525
Biological and Biomedical Sciences	1,441	7	557	556	534
Business Management, Marketing, and Related Support Services	2,136	11	508	521	489
Communication, Journalism and Related Programs	531	3	523	496	507
Computer and Information Sciences and Support Services	505	3	551	566	512
Construction Trades	10	0	486	514	447
Education	707	4	507	498	492
Engineering	2,339	12	552	591	527
Engineering Technologies/Technicians	233	1	513	543	483
English Language and Literature/Letters	253	1	596	536	568
Family and Consumer Sciences/Human Sciences	62	0	493	487	480
Foreign Languages, Literatures, and Linguistics	105	1	568	537	544
Health Professions and Related Clinical Services	4,402	22	507	511	492
History	147	1	564	521	511
Legal Professions and Studies	487	2	541	531	518
Liberal Arts and Sciences, General Studies, and Humanities	123	1	556	525	535
Library Science And Administration	5	0	520	478	478
Mathematics and Statistics	158	1	563	620	545
Mechanic and Repair Technologies/Technician	43	0	443	435	397
Military Technologies And Applied Sciences	113	1	522	524	482
Multi/Interdisciplinary Studies	134	1	579	581	561
Natural Resources and Conservation	87	0	540	521	508
Parks, Recreation, Leisure and Fitness Studies	99	0	473	474	448
Personal and Culinary Services	49	0	488	475	446
Philosophy and Religious Studies	61	0	547	526	513
Physical Sciences	355	2	563	578	528
Precision Production	0	0			
Psychology	1,054	5	520	504	501
Public Administration and Social Services Professions	44	0	502	489	477
Security and Protective Services	530	3	475	478	457
Social Sciences	344	2	562	541	533
Theology and Religious Vocations	38	0	533	524	518
Transportation and Materials Moving	13	0	473	504	459
Visual and Performing Arts	1,341	7	534	513	511
Other	301	2	486	477	456
Undecided	1,163	6	549	550	529
<b>Degree-Level Goal</b>					
Certificate Program	151	1	475	477	443
Associate Degree	176	1	436	431	412
Bachelor's Degree	6,588	31	499	501	477
Master's Degree	6,266	29	526	531	506
Doctoral or Related Degree	5,391	25	549	552	529
Other	80	0	465	460	465
Undecided	2,669	13	526	525	501

## College Plans

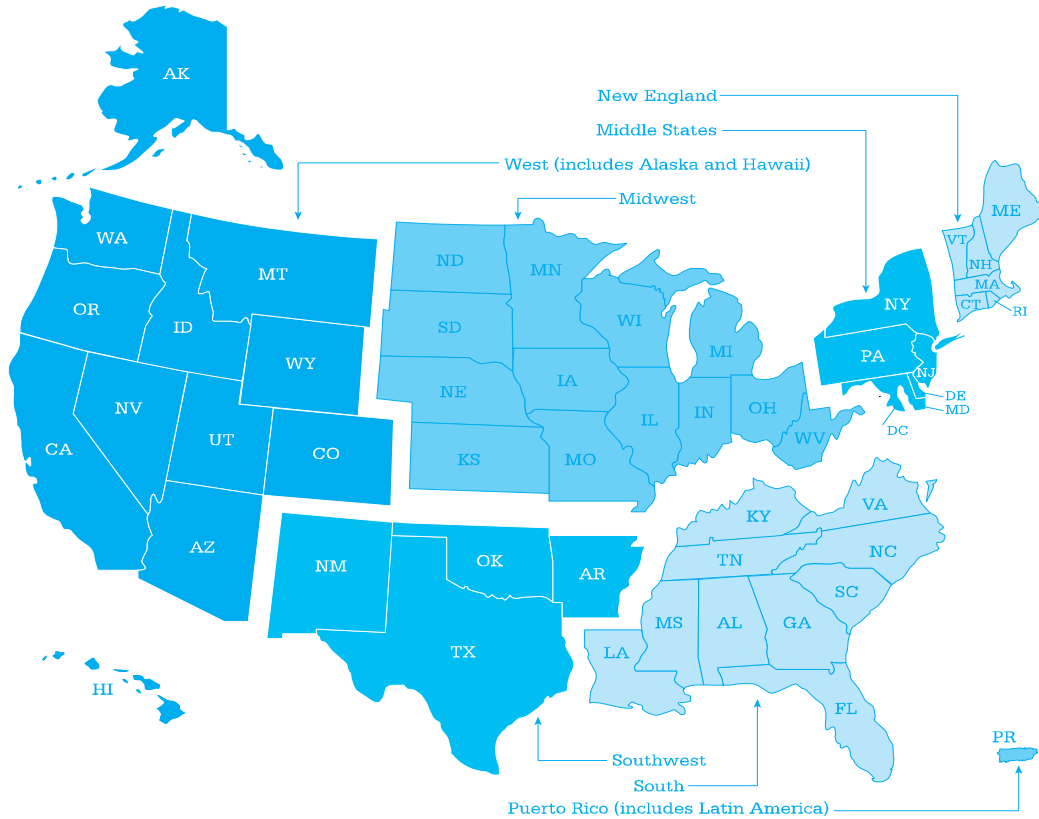
Table 27: Institutions That Received the Most SAT Program Score Reports from Your Students

Of the 22,744 students from your state who took the SAT and/or an SAT Subject Test, 14,062 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 1,557 institutions received score reports from your students.

Institution	State	Type	Number of Students	Percent of Score Senders*
Arizona State University	AZ	Public	7,778	55.3
University of Arizona	AZ	Public	6,380	45.4
Northern Arizona University	AZ	Public	4,886	34.7
Grand Canyon University	AZ	Private	1,690	12.0
Stanford University	CA	Private	1,055	7.5
NCAA Eligibility Center	IN	Public	852	6.1
University of Southern California	CA	Private	763	5.4
University of California: Los Angeles	CA	Public	730	5.2
University of California: Berkeley	CA	Public	640	4.6
Harvard College	MA	Private	509	3.6
San Diego State University	CA	Public	484	3.4
University of California: San Diego	CA	Public	433	3.1
The Flinn Foundation	AZ	Scholarship	428	3.0
University of Washington	WA	Public	385	2.7
Cornell University	NY	Private	379	2.7
Duke University	NC	Private	368	2.6
Princeton University	NJ	Private	364	2.6
NATIONAL MERIT SCHOLARSHIP CORPORATION	IL	Scholarship	354	2.5
University of San Diego	CA	Private	353	2.5
New York University	NY	Private	341	2.4
Columbia University	NY	Private	339	2.4
Yale University	CT	Private	337	2.4
University of Colorado Boulder	CO	Public	334	2.4
Northwestern University	IL	Private	323	2.3
University of Pennsylvania	PA	Private	314	2.2
Massachusetts Institute of Technology	MA	Private	312	2.2
University of Chicago	IL	Private	307	2.2
Baylor University	TX	Private	284	2.0
Brown University	RI	Private	284	2.0
University of Oregon	OR	Public	273	1.9
Colorado State University	CO	Public	268	1.9
Washington University in St. Louis	MO	Private	265	1.9
Brigham Young University	UT	Private	264	1.9
Boston University	MA	Private	251	1.8
Vanderbilt University	TN	Private	250	1.8
University of Texas at Austin	TX	Public	240	1.7
Embry-Riddle Aeronautical Univ: Prescott	AZ	Private	237	1.7
University of Michigan	MI	Public	233	1.7
Johns Hopkins University	MD	Private	227	1.6
University of Portland	OR	Private	227	1.6
Rice University	TX	Private	220	1.6
University of California: Santa Barbara	CA	Public	210	1.5
Santa Clara University	CA	Private	210	1.5
Dartmouth College	NH	Private	202	1.4
Colorado School of Mines	CO	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.

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