



2011 College-Bound Seniors

# State Profile Report

COLORADO

## Included in This Report

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**SAT® Data**

**SAT Subject Tests™ Data**

**Demographic and Academic Information**

**College Plans**

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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 2011* includes students who tested through June 2011.

## Using This Report

*College-Bound Seniors* presents data for high school graduates in the year 2011 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 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 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.
- 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.
- 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 Web site 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.

## The College Board: Inspiring Minds™

The College Board is a not-for-profit membership association whose mission is to connect students to college success and opportunity. Founded in 1900, the association is composed of more than 5,600 schools, colleges, universities, and other educational organizations. Each year, the College Board serves seven million students and their parents, 23,000 high schools, and 3,800 colleges through major programs and services in college admissions, guidance, assessment, financial aid, enrollment and teaching and learning. Among its best-known programs are the SAT®, the PSAT/NMSQT®, and the Advanced Placement Program® (AP®). The College Board is committed to the principles of excellence and equity, and that commitment is embodied in all of its programs, services, activities and concerns.

# Total Group Mean SAT Scores

## College-Bound Seniors, 1972–2011

<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

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 2000–2011, 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 <http://www.collegeboard.org/sat/cbs-2011-trends>.

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## SAT® Data

Data in this report are for high school graduates in the year 2011. Information is summarized for seniors who took the SAT at any time during their high school years through June 2011. 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	9,675	570	99	573	100	556	98	55.7	9.9	7.8	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	4,415	569	99	592	100	546	99	54.9	10.0	7.6	1.5
Female	5,260	570	99	558	97	565	97	56.3	9.8	8.0	1.4

Table 3: Year in Which Seniors Last Took the SAT

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

SAT	Test-Takers Number	Critical Reading		Mathematics		Writing		Writing Subscores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Senior (2010-2011)	4,774	565	101	564	101	549	99	54.9	10.1	7.7	1.5
Junior (2009-2010)	4,866	574	97	582	99	564	96	56.4	9.7	7.9	1.4
Sophomore (2008-2009)	30	585	110	590	108	552	95	56.4	9.9	7.3	1.5
Freshman (2007-2008)	5	530		516		522		51.4		7.6	
Total	9,675	570	99	573	100	556	98	55.7	9.9	7.8	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	1,647,123	497	114	514	117	489	113	49.1	11.4	7.3	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 2011 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	640	640	620	570	600	560
50th	570	580	560	490	510	480
25th	500	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	444	549	993	662	389	1,051	290	469	759
600-690	1,352	1,607	2,959	1,603	1,529	3,132	1,102	1,548	2,650
500-590	1,592	1,937	3,529	1,387	1,968	3,355	1,669	2,021	3,690
400-490	843	956	1,799	636	1,092	1,728	1,088	993	2,081
300-390	165	194	359	111	257	368	230	215	445
200-290	19	17	36	16	25	41	36	14	50

**Table 7: Type of High School**

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Public	7,554	82	45	55	574	580	560
Religiously Affiliated	1,162	13	46	54	552	544	544
Independent	495	5	50	50	579	576	577
Other or Unknown	464		49	51	534	522	515

**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	420	4	548	108	549	103	533	109
Nonstandard Conditions	169	2	566	91	567	97	566	93

## 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	67	1	552	97	541	90	534	99
Asian, Asian American, or Pacific Islander	701	7	559	112	612	106	560	110
Black or African American	328	3	500	96	484	107	485	93
Mexican or Mexican American	300	3	511	101	515	99	496	98
Puerto Rican	29	0	517	85	522	85	519	88
Other Hispanic, Latino, or Latin American	385	4	535	105	534	109	520	106
White	7,407	77	579	95	579	94	565	93
Other	233	2	568	102	561	109	548	106
No Response	225	2	555	107	553	110	533	105
Total	9,675	100	570	99	573	100	556	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	25	0	521	99	532	99	481	87
Asian, Asian American, or Pacific Islander	320	3	571	111	636	104	561	114
Black or African American	135	1	507	97	513	106	486	91
Mexican or Mexican American	141	1	519	104	530	101	492	96
Puerto Rican	13	0	520		545		509	
Other Hispanic, Latino, or Latin American	168	2	539	105	561	106	519	107
White	3,397	35	576	96	597	95	553	94
Other	100	1	569	106	582	109	537	110
No Response	116	1	552	100	561	112	514	103
Total	4,415	46	569	99	592	100	546	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	42	0	570	90	546	84	566	93
Asian, Asian American, or Pacific Islander	381	4	549	112	592	103	559	106
Black or African American	193	2	495	95	465	103	485	95
Mexican or Mexican American	159	2	504	98	501	95	500	100
Puerto Rican	16	0	514		504		528	
Other Hispanic, Latino, or Latin American	217	2	532	104	514	107	521	105
White	4,010	41	581	94	564	91	575	91
Other	133	1	568	98	545	106	556	101
No Response	109	1	558	114	546	106	554	103
Total	5,260	54	570	99	558	97	565	97

## 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	9,675	100	570	99	573	100	556	98
<b>First Language Learned</b>								
English	8,383	88	574	96	574	97	560	96
English and Another	623	7	557	106	568	113	548	104
Another Language	503	5	507	115	567	122	517	115
No Response	166		565	104	569	106	547	105
<b>Citizenship</b>								
U.S. Citizen / U.S. National	9,114	97	572	98	573	99	558	97
U.S. Permanent Resident or Refugee	158	2	536	121	571	114	533	110
Citizen of Another Country	152	2	493	109	605	110	519	111
Other, Unknown, or No Response	251		540	104	547	99	524	103
<b>Plans to Apply for Financial Aid</b>								
Yes	6,176	73	571	100	572	100	557	97
No	720	8	562	96	574	97	554	99
Don't Know	1,619	19	569	96	579	99	560	98
No Response	1,160		566	103	571	101	551	100
<b>Family Income</b>								
\$0 - \$20,000	239	4	507	115	504	113	491	105
\$20,000–\$40,000	457	8	534	107	539	100	519	99
\$40,000–\$60,000	634	11	559	99	554	99	543	95
\$60,000–\$80,000	771	13	559	97	561	99	546	95
\$80,000–\$100,000	845	15	568	97	574	96	552	92
\$100,000–\$120,000	824	14	570	96	579	94	561	94
\$120,000–\$140,000	429	8	572	95	577	98	557	97
\$140,000–\$160,000	342	6	578	92	576	89	562	92
\$160,000–\$200,000	427	7	582	98	585	100	570	100
More than \$200,000	746	13	581	92	594	95	575	95
No Response	3,961		577	99	579	100	563	98
<b>Highest Level of Parental Education</b>								
No High School Diploma	106	1	446	97	473	112	443	95
High School Diploma	1,147	12	524	97	527	100	512	94
Associate Degree	352	4	535	90	532	100	517	93
Bachelor's Degree	3,773	40	565	94	572	95	551	93
Graduate Degree	3,987	43	595	96	595	97	583	95
No Response	310		546	104	549	101	533	97
<b>Took the PSAT/NMSQT®</b>								
Yes, As a Junior	4,051	45	574	97	577	97	561	94
Yes, As a Sophomore or Younger	1,532	17	562	92	569	91	546	90
Yes, As a Junior and As a Sophomore or Younger	2,073	23	603	95	606	98	592	97
No	1,385	15	530	102	532	101	514	98
No Response	634		542	101	543	101	531	99

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	2,465	46	42	58	627	638	617
Second Tenth	1,418	27	47	53	565	576	552
Second Fifth	863	16	49	51	543	548	527
Final Three Fifths	593	11	54	46	497	503	482
No Response	4,336		45	55	554	550	539

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)	1,160	13	39	61	624	636	619
A (93–96)	2,614	28	40	60	606	613	597
A- (90–92)	2,006	22	44	56	573	580	561
B (80–89)	3,016	33	51	49	530	527	512
C (70–79)	430	5	61	39	484	480	460
D, E, or F (below 70)	20	0	75	25	554	574	527
No Response	429		54	46	548	544	529
<b>Mean Grade Point Average</b>	<b>All Students: 3.58</b>		<b>Male: 3.50</b>		<b>Female: 3.65</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	3.83	3.93	3.89
English and Language Arts	4.0	4.0	4.0	3.49	3.72	3.62
Foreign and Classical Languages	3.2	3.4	3.3	3.42	3.61	3.53
Mathematics	4.1	4.0	4.0	3.41	3.40	3.41
Natural Sciences	3.9	3.8	3.8	3.50	3.54	3.52
Social Sciences and History	3.8	3.8	3.8	3.57	3.65	3.61
<b>Total for All Subjects</b>	<b>21.2</b>	<b>21.7</b>	<b>21.4</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

English and Language Arts Years of Study	Test-Takers		Percent by Gender		SAT Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	1,076	13	42	58	584	584	573
4 Years	6,400	78	45	55	575	579	562
3 Years	623	8	45	55	528	536	514
2 Years	86	1	41	59	532	536	530
1 Year	38	0	66	34	508	522	489
1/2 Year or Less	25	0	56	44	526	551	508
No Response	1,427		50	50	557	559	543
AP®/Honors Courses	4,986	60	39	61	603	601	591
<b>Course Work or Experience</b>							
English/Language Arts	7,543	97	44	56	572	575	559
Journalism	1,010	13	32	68	576	559	570
Creative Writing	2,056	27	40	60	566	555	554
American Literature	5,548	72	44	56	572	572	559
Composition/Writing	4,790	62	43	57	569	568	557
British Literature	2,132	28	43	57	585	581	569
World Literature	3,879	50	44	56	578	578	564
Communications	934	12	46	54	562	559	550
Public Speaking	2,898	37	45	55	572	572	558
English As Second Language	255	3	43	57	494	558	508

Mathematics Years of Study	Test-Takers		Percent by Gender		SAT Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	1,533	19	51	49	590	617	578
4 Years	5,809	70	43	57	572	572	560
3 Years	754	9	42	58	537	525	518
2 Years	89	1	53	47	534	523	521
1 Year	32	0	50	50	539	539	508
1/2 Year or Less	29	0	48	52	531	535	520
No Response	1,429		50	50	557	559	543
AP/Honors Courses	4,718	57	46	54	602	621	591
<b>Highest Level of Mathematics Achieved*</b>							
Calculus	3,517	44	49	51	609	636	598
Pre-calculus	2,377	30	42	58	561	557	547
Trigonometry	687	9	40	60	530	515	517
Algebra II	1,191	15	41	59	518	485	502
Algebra I	85	1	28	72	487	436	464

\*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	1,343	16	48	52	595	617	582	
4 Years	4,703	57	45	55	576	581	565	
3 Years	1,796	22	41	59	549	538	532	
2 Years	226	3	48	52	541	544	525	
1 Year	94	1	47	53	546	525	520	
1/2 Year or Less	53	1	51	49	529	535	523	
No Response	1,460		50	50	557	560	543	
AP/Honors Courses	4,207	51	45	55	606	618	593	
<b>Course Work or Experience</b>								
Biology	7,544	97	44	56	572	575	558	
Chemistry	7,261	93	45	55	575	580	562	
Physics	4,643	59	50	50	585	601	572	
Geology, Earth, or Space Science	3,930	50	44	56	554	552	540	
Other Sciences	3,102	40	39	61	563	562	552	

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	974	12	47	53	589	591	576	
4 Years	5,080	62	44	56	577	578	563	
3 Years	1,890	23	45	55	556	568	545	
2 Years	185	2	49	51	534	545	519	
1 Year	46	1	50	50	530	512	505	
1/2 Year or Less	35	0	46	54	529	543	533	
No Response	1,465		50	50	556	559	542	
AP/Honors Courses	4,425	54	42	58	606	604	592	
<b>Course Work or Experience</b>								
U.S. History	7,455	96	45	55	573	576	559	
World History or Cultures	6,214	80	44	56	573	577	560	
U.S. Government or Civics	6,276	81	44	56	572	575	558	
Economics	2,653	34	47	53	574	580	558	
Geography	5,358	69	44	56	570	573	557	
Psychology	2,667	34	37	63	568	566	555	
European History	2,677	34	44	56	590	587	574	
Sociology	972	13	38	62	555	549	540	
Ancient History	1,987	26	46	54	573	572	560	
Other Courses	1,386	18	40	60	570	565	555	

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	799	10	39	61	602	606	599
4 Years	2,826	34	40	60	597	596	589
3 Years	3,136	38	48	52	562	571	546
2 Years	1,204	15	50	50	534	535	511
1 Year	153	2	50	50	507	507	480
1/2 Year or Less	103	1	56	44	501	521	480
No Response	1,454		51	49	556	558	542
AP/Honors Courses	2,518	31	39	61	617	616	610
<b>Course Work or Experience</b>							
Chinese	189	2	52	48	583	612	572
French	1,533	20	32	68	586	576	573
German	534	7	56	44	577	581	551
Greek	29	0	41	59	594	563	583
Hebrew	37	0	41	59	564	528	561
Italian	55	1	42	58	574	546	556
Japanese	134	2	50	50	572	572	544
Korean	29	0	38	62	512	587	510
Latin	387	5	49	51	600	585	577
Russian	28	0	57	43	546	546	541
Spanish	5,640	72	46	54	569	574	557
Other Languages	155	2	36	64	540	526	530

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>		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
<b>Years of Study</b>							
More Than 4 Years	748	9	39	61	586	579	573
4 Years	1,805	22	35	65	586	577	574
3 Years	1,252	15	38	62	561	563	549
2 Years	1,803	22	44	56	564	572	552
1 Year	1,509	19	54	46	570	583	555
1/2 Year or Less	976	12	60	40	565	579	551
No Response	1,582		51	49	558	561	545
AP/Honors Courses	892	11	35	65	608	600	594
<b>Course Work or Experience</b>							
Acting or Play Production	1,891	25	34	66	596	576	581
Art History or Appreciation	1,131	15	37	63	570	559	556
Dance	1,038	14	12	88	568	554	559
Drama: Study or Appreciation	1,505	20	33	67	582	565	568
Music: Study or Appreciation	1,107	14	46	54	591	583	580
Music Performance	3,507	46	41	59	588	586	576
Photography or Film	2,340	31	38	62	570	566	558
Studio Art and Design	2,586	34	37	63	575	576	563
None	866	11	61	39	544	563	528

<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	4,790	64	46	54	575	577	561
Computer Programming	1,356	18	63	37	570	589	553
Word Processing	4,739	63	45	55	576	577	561
Internet Activity	3,529	47	47	53	576	577	561
Using Computer Graphics	2,893	39	51	49	573	578	557
Creating Spreadsheets/Databases	2,882	38	48	52	579	583	564
None	1,110	15	36	64	568	573	559

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
2,246	5,702	1,912	647	657	640

  

Students Who Took One or More Different SAT Subject Tests		
Number of Tests Taken	Number of Test-Takers	Percent of Total Test-Takers Who Took One or More Tests
1	130	6
2	1,036	46
3	892	40
4 or More	188	8

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

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

	SAT Subject Test			N	SAT						
	N	Mean	SD		Mean	SD	Mean	SD	Mean	SD	
<b>English</b>											
Literature	949	633	90	815	656	82	632	80	646	81	
<b>History and Social Studies</b>											
U.S. History	694	642	94	602	654	81	639	79	642	81	
World History	130	644	97	113	669	80	650	89	651	81	
<b>Mathematics</b>											
Mathematics Level 1	523	627	82	419	626	82	633	71	622	81	
Mathematics Level 2	1,415	685	84	1,241	650	87	683	71	646	82	
<b>Science</b>											
Biology-E	206	642	83	162	648	82	653	80	637	83	
Biology-M	304	661	81	270	647	86	662	74	641	82	
Chemistry	592	659	97	518	657	89	692	70	648	87	
Physics	398	668	84	322	654	87	703	62	653	83	
<b>Foreign and Classical Languages</b>											
Chinese/Listening	19	760		17	600		686		582		
French	97	625	109	91	655	86	650	74	670	77	
French/Listening	24	625		22	690		672		695		
German	10	641		9	652		648		650		
German/Listening	10	576		10	695		660		669		
Modern Hebrew											
Italian											
Japanese/Listening	4			4							
Korean/Listening	23	764		20	565		659		575		
Latin	12	547		12	640		672		639		
Spanish	256	628	104	230	662	74	652	75	663	77	
Spanish/Listening	36	649	81	35	663	79	643	56	667	64	

## 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	94	10	91	13	23	18
700-740	181	19	142	20	21	16
650-690	186	20	130	19	29	22
600-640	180	19	115	17	13	10
550-590	142	15	108	16	20	15
500-540	92	10	50	7	16	12
450-490	46	5	36	5	6	5
400-440	17	2	20	3	2	2
350-390	11	1	2	0		
300-340						
250-290						
200-240						
Total	949		694		130	
Mean	633		642		644	
SD	90		94		97	
75th percentile	700		710		720	
50th percentile	640		650		660	
25th percentile	570		570		560	

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	16	3	424	30	22	11	48	16	126	21	78	20
700-740	113	22	260	18	35	17	66	22	109	18	84	21
650-690	117	22	260	18	51	25	84	28	117	20	84	21
600-640	92	18	249	18	38	18	45	15	95	16	75	19
550-590	93	18	147	10	31	15	30	10	59	10	47	12
500-540	64	12	58	4	16	8	18	6	46	8	18	5
450-490	16	3	13	1	12	6	10	3	28	5	9	2
400-440	9	2	4	0			3	1	9	2	3	1
350-390	2	0			1	0			3	1		
300-340	1	0										
250-290												
200-240												
Total	523		1,415		206		304		592		398	
Mean	627		685		642		661		659		668	
SD	82		84		83		81		97		84	
75th percentile	690		760		700		720		740		730	
50th percentile	630		690		650		670		670		670	
25th percentile	560		620		590		610		600		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	16	84	17	18	5	21	3	30				
700-740	1	5	13	13	2	8	1	10	1	10		
650-690			17	18	4	17	2	20	4	40		
600-640	1	5	13	13	3	13						
550-590			12	12	3	13	1	10				
500-540			9	9	4	17	1	10	2	20		
450-490	1	5	11	11	1	4	1	10	3	30		
400-440			4	4	1	4						
350-390			1	1	1	4	1	10				
300-340												
250-290												
200-240												
Total	19		97		24		10		10			
Mean	760		625		625		641		576			
SD			109									
75th percentile			720		700							
50th percentile			630		620							
25th percentile			530		530							

Table 25: Foreign and Classical Languages (continued)

SAT Subject Tests	Foreign and Classical Languages											
	Italian		Japanese/Listening		Korean/Listening		Latin		Spanish		Spanish/Listening	
	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct
750-800			1	25	19	83	1	8	36	14	4	11
700-740			2	50			1	8	42	16	8	22
650-690					1	4			45	18	7	19
600-640					2	9	1	8	49	19	8	22
550-590					1	4	2	17	30	12	5	14
500-540							2	17	22	9	2	6
450-490							4	33	15	6	2	6
400-440							1	8	13	5		
350-390									4	2		
300-340												
250-290			1	25								
200-240												
Total			4		23		12		256		36	
Mean					764		547		628		649	
SD									104		81	
75th percentile					800				710		710	
50th percentile					800				640		650	
25th percentile					750				560		590	



## 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	35	0	552	533	530
Architecture and Related Services	196	2	545	583	538
Area, Ethnic, Cultural and Gender Studies	11	0	553	553	558
Biological and Biomedical Sciences	725	8	590	593	574
Business Management, Marketing, and Related Support Services	823	10	542	562	534
Communication, Journalism and Related Programs	275	3	569	540	568
Computer and Information Sciences and Support Services	112	1	578	605	552
Construction Trades	8	0	486	479	459
Education	305	4	554	544	540
Engineering	1,212	14	588	636	569
Engineering Technologies/Technicians	69	1	537	581	518
English Language and Literature/Letters	196	2	623	565	609
Family and Consumer Sciences/Human Sciences	19	0	521	505	525
Foreign Languages, Literatures, and Linguistics	105	1	599	560	586
Health Professions and Related Clinical Services	1,180	14	558	563	551
History	132	2	602	561	571
Legal Professions and Studies	209	2	568	554	558
Liberal Arts and Sciences, General Studies, and Humanities	132	2	609	563	587
Library Science And Administration					
Mathematics and Statistics	87	1	596	660	595
Mechanic and Repair Technologies/Technician	5	0	478	536	436
Military Technologies And Applied Sciences	12	0	518	502	465
Multi/Interdisciplinary Studies	21	0	645	617	619
Natural Resources and Conservation	64	1	569	558	547
Parks, Recreation, Leisure and Fitness Studies	37	0	493	504	483
Personal and Culinary Services	27	0	518	510	508
Philosophy and Religious Studies	32	0	592	572	556
Physical Sciences	181	2	611	631	587
Precision Production					
Psychology	386	4	568	553	561
Public Administration and Social Services Professions	18	0	541	517	549
Security and Protective Services	69	1	490	500	465
Social Sciences	231	3	619	584	601
Theology and Religious Vocations	30	0	563	537	545
Transportation and Materials Moving	1	0			
Visual and Performing Arts	774	9	566	546	553
Other	124	1	533	526	516
Undecided	741	9	585	589	575
<b>Degree-Level Goal</b>					
Certificate Program	32	0	510	496	487
Associate Degree	28	0	458	471	448
Bachelor's Degree	2,502	29	538	538	524
Master's Degree	2,730	31	577	583	564
Doctoral or Related Degree	2,071	24	598	603	586
Other	22	0	481	526	501
Undecided	1,326	15	582	582	568

## College Plans

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

Of the 10,009 students from your state who took the SAT and/or an SAT Subject Test, 6,311 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 1,200 institutions received score reports from your students.

Institution	State	Type	Number of Students	Percent of Score Senders*
UNIVERSITY OF COLORADO BOULDER	CO	Public	2,479	39.3
COLORADO STATE UNIVERSITY FT COLLINS	CO	Public	1,777	28.2
UNIVERSITY OF DENVER	CO	Private	948	15.0
STANFORD UNIVERSITY	CA	Private	638	10.1
COLORADO SCHOOL OF MINES	CO	Public	632	10.0
UNIVERSITY OF NORTHERN COLORADO	CO	Public	473	7.5
NCAA ELIGIBILITY CENTER	IN	Public	419	6.6
UNIVERSITY OF COLORADO COLORADO SPRINGS	CO	Public	396	6.3
HARVARD UNDERGRADUATE ADMISSIONS	MA	Private	363	5.8
CORNELL UNIVERSITY	NY	Private	341	5.4
COLORADO COLLEGE	CO	Private	333	5.3
PRINCETON UNIVERSITY	NJ	Private	332	5.3
UNIVERSITY OF SOUTHERN CALIFORNIA	CA	Private	329	5.2
CENTER FOR BRIGHT KIDS	CO	Scholarship	293	4.6
YALE UNIVERSITY	CT	Private	288	4.6
NORTHWESTERN UNIVERSITY	IL	Private	285	4.5
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	MA	Private	278	4.4
UNIVERSITY OF CALIFORNIA BERKELEY	CA	Public	272	4.3
NATIONAL MERIT SCHOLARSHIP PROGRAM	IL	Scholarship	271	4.3
DUKE UNIVERSITY	NC	Private	268	4.2
BROWN UNIVERSITY	RI	Private	264	4.2
COLUMBIA UNIVERSITY UNDERGRADUATE ADMISS	NY	Private	260	4.1
UNIVERSITY OF OREGON	OR	Public	259	4.1
UNIVERSITY COLORADO DENVER	CO	Public	253	4.0
UNIVERSITY OF WASHINGTON	WA	Public	249	3.9
NEW YORK UNIVERSITY	NY	Private	245	3.9
BOETTCHER FOUNDATION SCHOLARSHIP	CO	Scholarship	242	3.8
DARTMOUTH COLLEGE	NH	Private	237	3.8
ARIZONA STATE UNIVERSITY	AZ	Public	228	3.6
BOSTON UNIVERSITY	MA	Private	224	3.5
UNIVERSITY OF MICHIGAN ANN ARBOR	MI	Public	218	3.5
UNIVERSITY OF CALIFORNIA LOS ANGELES	CA	Public	213	3.4
WASHINGTON UNIVERSITY	MO	Private	206	3.3
SANTA CLARA UNIVERSITY	CA	Private	197	3.1
MONTANA STATE UNIVERSITY	MT	Public	196	3.1
UNIVERSITY OF CHICAGO	IL	Private	196	3.1
UNITED STATES AIR FORCE ACADEMY	CO	Public	188	3.0
UNIVERSITY OF PENNSYLVANIA UNDERGRADUATE	PA	Private	186	2.9
UNIVERSITY OF SAN DIEGO	CA	Private	184	2.9
UNIVERSITY OF TEXAS AUSTIN	TX	Public	182	2.9
VANDERBILT UNIVERSITY	TN	Private	181	2.9
UNIVERSITY OF ARIZONA	AZ	Public	176	2.8
REGIS UNIVERSITY	CO	Private	175	2.8
METROPOLITAN STATE COLLEGE DENVER	CO	Public	172	2.7
CARNEGIE MELLON UNIVERSITY	PA	Private	170	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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