



2009 College-Bound Seniors

State Profile Report

COLORADO

Included in This Report

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 2009* includes students who tested through March 2009.

Using This Report

College-Bound Seniors presents data for high school graduates in the year 2009 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 Web site at www.collegeboard.com.

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, 1972–2009

Year	Critical Reading			Mathematics			Writing		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
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	504	502	502	533	499	515	489	500	494
2008	504	500	502	533	500	515	488	501	494
2009	503	498	501	534	499	515	486	499	493

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 2000–2009, all scores are reported on the recentered scale.

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SAT® Data

Data in this report are for high school graduates in the year 2009. Information is summarized for seniors who took the SAT at any time during their high school years through March 2009. 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 Sub-Scores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Total	9,986	568	97	575	98	555	95	55.6	9.7	7.8	1.5

Table 2: Mean Scores by Gender

SAT	Test-Takers Number	Critical Reading		Mathematics		Writing		Writing Sub-Scores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Male	4,608	570	98	594	97	548	96	55.1	9.7	7.6	1.6
Female	5,378	566	96	558	97	562	94	56.0	9.6	7.9	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 Sub-Scores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Senior (2008-2009)	4,716	560	95	564	96	546	93	54.6	9.5	7.7	1.5
Junior (2007-2008)	5,239	575	98	585	99	564	97	56.5	9.7	7.8	1.5
Sophomore (2006-2007)	26	580	124	587	110	558	103	55.8	9.8	7.8	1.9
Freshman (2005-2006)	5	556		558		538		55.2		6.8	
Total	9,986	568	97	575	98	555	95	55.6	9.7	7.8	1.5

Table 4: Mean Scores for Total Group

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

SAT	Test-Takers Number	Critical Reading		Mathematics		Writing		Writing Sub-Scores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Total Group	1,530,128	501	112	515	116	493	111	49.3	11.1	7.2	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 2009 cohort took the SAT writing section. The Writing test contains one essay (30% of the total score) and 49 multiple-choice questions (70% of the total score). Essay scores range from 2-12, with a very small percentage of students (less than 0.3%) 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	630	650	620	580	600	570
50th	570	580	560	500	510	490
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.com/sat-skills.

SAT Score Range	Critical Reading			Mathematics			Writing		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
700–800	497	489	986	628	344	972	312	410	722
600–690	1,377	1,599	2,976	1,798	1,666	3,464	1,101	1,538	2,639
500–590	1,723	2,063	3,786	1,417	1,961	3,378	1,870	2,145	4,015
400–490	834	1,031	1,865	657	1,152	1,809	1,062	1,050	2,112
300–390	151	172	323	104	221	325	240	220	460
200–290	26	24	50	4	34	38	23	15	38

Table 7: Type of High School

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Public	7,305	83	46	54	571	581	557
Religiously Affiliated	1,018	12	49	51	557	553	545
Independent	484	5	54	46	581	583	578
Other or Unknown	1,179		43	57	556	553	542

Table 8: Test-Taking Conditions

SAT	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
Standard Conditions	9,803	98	568	97	575	98	556	95
Nonstandard Conditions	183	2	548	103	554	104	538	103

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	63	1	527	106	540	99	515	114
Asian, Asian American, or Pacific Islander	628	6	557	110	614	99	553	106
Black or African American	301	3	507	101	497	111	494	102
Mexican or Mexican American	290	3	523	107	518	108	511	99
Puerto Rican	26	0	521	123	498	162	503	127
Other Hispanic, Latino, or Latin American	333	3	524	101	528	106	511	94
White	7,767	78	574	93	579	93	561	92
Other	233	2	570	100	570	107	566	99
No Response	345	3	589	96	586	94	567	92
Total	9,986	100	568	97	575	98	555	95

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	31	0	525	100	570	79	508	102
Asian, Asian American, or Pacific Islander	271	3	564	110	637	94	554	107
Black or African American	126	1	517	110	522	117	493	112
Mexican or Mexican American	130	1	533	101	541	96	505	93
Puerto Rican	11	0	555		532		535	
Other Hispanic, Latino, or Latin American	141	1	520	104	556	106	508	93
White	3,642	36	575	95	597	93	552	93
Other	89	1	576	96	595	107	554	101
No Response	167	2	594	100	603	96	563	93
Total	4,608	46	570	98	594	97	548	96

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	32	0	528	112	511	107	522	124
Asian, Asian American, or Pacific Islander	357	4	552	109	597	99	552	106
Black or African American	175	2	500	94	479	102	494	95
Mexican or Mexican American	160	2	515	112	500	113	515	104
Puerto Rican	15	0	496		473		481	
Other Hispanic, Latino, or Latin American	192	2	527	98	508	102	514	95
White	4,125	41	574	91	563	91	569	90
Other	144	1	567	103	554	105	573	97
No Response	178	2	585	92	570	89	571	90
Total	5,378	54	566	96	558	97	562	94

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	9,986	100	568	97	575	98	555	95
First Language Learned								
English	8,728	89	572	94	576	96	558	93
English and Another	664	7	552	105	560	107	542	103
Another Language	440	4	517	118	581	123	523	113
No Response	154		579	102	583	96	562	104
Citizenship								
U.S. Citizen / U.S. National	9,488	97	570	96	574	98	557	94
U.S. Permanent Resident or Refugee	152	2	546	121	597	127	542	119
Citizen of Another Country	126	1	486	118	613	95	495	111
Other, Unknown, or No Response	220		557	99	568	106	546	101
Disabling Condition								
Yes	531	5	551	102	548	101	531	102
Unknown or No Response	9,455		569	97	576	98	557	95
Plans to Apply for Financial Aid								
Yes	6,086	67	569	97	573	99	555	95
No	981	11	566	92	579	94	560	95
Don't Know	2,063	23	567	98	580	99	555	96
Family Income								
\$0 - \$20,000	214	3	507	110	517	124	493	109
\$20,000–\$40,000	463	7	532	97	535	102	519	93
\$40,000–\$60,000	681	10	548	98	553	97	536	92
\$60,000–\$80,000	897	13	561	96	562	98	547	95
\$80,000–\$100,000	1,057	16	568	95	568	97	552	94
\$100,000–\$120,000	1,045	15	572	92	579	96	558	96
\$120,000–\$140,000	524	8	574	95	583	90	558	91
\$140,000–\$160,000	475	7	578	89	594	89	563	89
\$160,000–\$200,000	537	8	572	92	582	90	558	91
More than \$200,000	863	13	580	92	591	89	574	90
No Response	3,230		576	98	584	100	564	96
Highest Level of Parental Education								
No High School Diploma	95	1	461	108	491	131	468	107
High School Diploma	1,150	12	519	93	523	98	508	89
Associate Degree	411	4	531	97	535	100	520	94
Bachelor's Degree	3,641	39	560	91	570	93	548	91
Graduate Degree	4,050	43	595	92	599	93	581	92
Took the PSAT/NMSQT®								
Yes, As a Junior	4,256	48	567	93	573	93	554	91
Yes, As a Sophomore or Younger	1,512	17	566	93	573	96	550	93
Yes, As a Junior and As a Sophomore or Younger	1,927	22	597	94	606	97	589	93
No	1,171	13	537	101	542	103	520	98

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	2,691	43	40	60	620	634	611
Second Tenth	1,731	28	45	55	564	579	551
Second Fifth	1,055	17	52	48	540	552	527
Final Three Fifths	767	12	57	43	511	511	491
No Response	3,742		47	53	552	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)	1,056	11	38	62	623	636	616
A (93–96)	2,596	27	38	62	604	614	594
A- (90–92)	2,160	22	45	55	573	584	561
B (80–89)	3,347	35	52	48	532	535	518
C (70–79)	507	5	65	35	494	487	468
D, E, or F (below 70)	7	0	71	29	429	437	384
No Response	313		53	47	557	557	538
Mean Grade Point Average	All Students: 3.55		Male: 3.46		Female: 3.63		

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	2.1	2.5	2.3	3.82	3.93	3.88
English and Language Arts	4.0	4.0	4.0	3.44	3.68	3.57
Foreign and Classical Languages	3.2	3.3	3.3	3.36	3.58	3.48
Mathematics	4.0	3.9	4.0	3.34	3.38	3.36
Natural Sciences	3.8	3.8	3.8	3.45	3.52	3.49
Social Sciences and History	3.7	3.8	3.8	3.54	3.64	3.60
Total for All Subjects	20.8	21.3	21.2			

Academic Information

Course-Taking Patterns

Table 16: English, Mathematics

English and Language Arts	Test-Takers		Percent by Gender		SAT Mean Scores			
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	696	8	41	59	590	593	577	
4 Years	7,449	84	46	54	572	579	559	
3 Years	618	7	47	53	531	532	517	
2 Years	48	1	50	50	520	526	510	
1 Year	7	0	57	43	540	516	496	
1/2 Year or Less	6	0	33	67	472	445	465	
No Response	1,162		52	48	554	563	543	
Course Work or Experience								
English/Language Arts	8,065	96	45	55	571	578	559	
Journalism	1,128	13	37	63	574	564	565	
Creative Writing	2,428	29	43	57	564	560	550	
American Literature	5,905	70	44	56	571	576	558	
Composition/Writing	4,285	51	44	56	565	567	552	
British Literature	2,481	29	44	56	582	580	566	
World Literature	4,248	50	44	56	578	581	564	
Communications	1,083	13	47	53	564	570	551	
Public Speaking	3,034	36	45	55	571	576	557	
English As Second Language	216	3	41	59	497	564	492	
AP@/Honors Courses	4,878	55	39	61	604	605	593	

Mathematics	Test-Takers		Percent by Gender		SAT Mean Scores			
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	1,058	12	52	48	588	624	574	
4 Years	6,545	74	45	55	572	579	560	
3 Years	1,157	13	41	59	545	526	527	
2 Years	67	1	49	51	526	506	511	
1 Year	7	0	14	86	457	400	440	
1/2 Year or Less	8	0	25	75	480	440	478	
No Response	1,144		52	48	554	564	543	
Highest Level of Mathematics Achieved*								
Calculus	4,088	47	49	51	603	633	592	
Pre-calculus	2,447	28	42	58	555	553	543	
Trigonometry	696	8	40	60	535	516	519	
Algebra II	1,232	14	44	56	518	488	499	
Algebra I	91	1	23	77	484	424	471	
AP/Honors Courses	4,722	53	46	54	602	623	590	

*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.

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	982	11	48	52	599	629	583	
4 Years	5,336	61	47	53	575	583	562	
3 Years	2,128	24	41	59	552	547	539	
2 Years	242	3	43	57	529	520	511	
1 Year	56	1	41	59	526	529	515	
1/2 Year or Less	27	0	41	59	485	448	466	
No Response	1,215		52	48	554	563	542	
Course Work or Experience								
Biology	8,245	97	45	55	571	576	558	
Chemistry	7,973	94	45	55	573	581	560	
Physics	5,299	62	51	49	582	600	569	
Geology, Earth, or Space Science	4,344	51	45	55	554	558	540	
Other Sciences	3,643	43	40	60	563	565	552	
AP/Honors Courses	4,120	47	45	55	606	620	593	

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	608	7	43	57	598	603	578	
4 Years	5,745	65	45	55	575	579	562	
3 Years	2,233	25	46	54	554	567	542	
2 Years	173	2	54	46	521	537	511	
1 Year	26	0	46	54	527	494	483	
1/2 Year or Less	11	0	27	73	449	435	446	
No Response	1,190		53	47	553	563	543	
Course Work or Experience								
U.S. History	8,123	96	45	55	572	578	559	
World History or Cultures	6,777	80	45	55	571	578	558	
U.S. Government or Civics	7,215	85	44	56	570	577	557	
Economics	2,898	34	46	54	571	581	557	
Geography	5,653	67	44	56	568	575	556	
Psychology	3,022	36	37	63	568	570	555	
European History	3,059	36	46	54	591	591	575	
Sociology	1,092	13	39	61	555	557	542	
Ancient History	1,780	21	46	54	567	571	551	
Other Courses	1,726	20	40	60	576	573	561	
AP/Honors Courses	4,381	50	43	57	606	608	592	

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	503	6	36	64	602	608	593
4 Years	3,287	37	42	58	597	599	586
3 Years	3,421	39	47	53	560	572	548
2 Years	1,366	15	50	50	534	536	512
1 Year	138	2	57	43	502	514	477
1/2 Year or Less	99	1	61	39	481	500	459
No Response	1,172		52	48	553	563	542
Course Work or Experience							
Chinese	124	1	38	62	593	622	582
French	1,716	20	37	63	588	583	574
German	529	6	56	44	586	589	564
Greek	13	0	54	46	572	571	564
Hebrew	31	0	26	74	578	541	577
Italian	30	0	23	77	596	560	591
Japanese	136	2	54	46	587	589	558
Korean	16	0	25	75	453	608	449
Latin	377	4	52	48	605	597	584
Russian	27	0	41	59	572	561	575
Spanish	6,172	73	46	54	566	574	555
Other Languages	122	1	42	58	558	563	539
AP/Honors Courses	2,581	29	41	59	618	620	609

Academic Information

Course-Taking Patterns

Table 19: Arts and Music, Computers

Arts and Music Years of Study	Test-Takers		Percent by Gender		SAT Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	444	5	40	60	593	596	580
4 Years	2,053	24	37	63	586	581	573
3 Years	1,282	15	41	59	570	571	556
2 Years	2,044	24	45	55	562	570	552
1 Year	1,637	19	51	49	563	579	549
1/2 Year or Less	1,211	14	58	42	559	576	543
No Response	1,315		53	47	554	563	541
Course Work or Experience							
Acting or Play Production	1,891	23	34	66	592	578	578
Art History or Appreciation	1,114	14	37	63	572	560	558
Dance	950	12	10	90	564	553	558
Drama: Study or Appreciation	1,544	19	34	66	579	570	566
Music: Study or Appreciation	1,125	14	44	56	589	585	577
Music Performance	3,441	43	41	59	585	588	573
Photography or Film	2,299	28	40	60	569	569	556
Studio Art and Design	2,475	31	39	61	571	575	559
None	1,087	13	62	38	544	567	529
AP/Honors Courses	768	9	37	63	618	611	606

Computers Course Work or Experience	Test-Takers		Percent by Gender		SAT Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Computer Literacy	5,242	66	46	54	571	576	557
Computer Programming	1,452	18	62	38	571	590	554
Word Processing	5,601	70	46	54	572	577	558
Internet Activity	4,260	53	48	52	574	580	560
Using Computer Graphics	2,796	35	53	47	568	579	555
Creating Spreadsheets/Databases	2,924	37	49	51	575	584	561
None	1,115	14	33	67	575	578	567

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
2,269	5,818	1,981	641	654	633

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	120	5
2	993	44
3	982	43
4 or More	174	8

Table 21: Mean Scores for SAT Subject Tests 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	
English											
Literature	1,140	630	95	975	650	83	632	80	642	81	
History and Social Studies											
U.S. History	661	617	98	566	649	80	637	81	636	79	
World History	116	634	109	105	678	80	661	87	655	78	
Mathematics											
Mathematics Level 1	598	614	90	497	616	86	627	75	611	85	
Mathematics Level 2	1,417	670	87	1,264	646	83	681	69	639	81	
Science											
Biology-E	179	631	104	150	638	88	638	85	625	85	
Biology-M	240	656	90	211	645	88	663	77	632	88	
Chemistry	548	647	100	495	648	88	685	73	639	88	
Physics	362	667	80	321	652	80	701	62	637	81	
Foreign and Classical Languages											
Chinese/Listening	28	742	77	26	598	122	695	68	607	117	
French	116	612	101	111	659	86	647	78	665	78	
French/Listening	20	622		19	653		643		654		
German	5	524		5	686		704		696		
German/Listening	7	514		7	624		651		616		
Modern Hebrew	3			2							
Italian	5	754		5	652		620		692		
Japanese/Listening	5	642		5	656		622		592		
Korean/Listening	20	762		16	557		678		577		
Latin	19	586		18	693		704		683		
Spanish	287	609	107	260	649	81	653	76	653	80	
Spanish/Listening	42	627	90	36	669	72	651	70	651	60	

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	122	11	65	10	23	20
700-740	189	17	86	13	19	16
650-690	244	21	133	20	15	13
600-640	203	18	121	18	15	13
550-590	155	14	99	15	13	11
500-540	116	10	76	11	16	14
450-490	62	5	48	7	11	9
400-440	33	3	20	3	4	3
350-390	13	1	13	2		
300-340	3	0				
250-290						
200-240						
Total	1,140		661		116	
Mean	630		617		634	
SD	95		98		109	
75th percentile	700		690		730	
50th percentile	640		630		640	
25th percentile	570		550		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	33	6	375	26	25	14	43	18	112	20	67	19
700-740	86	14	189	13	37	21	48	20	89	16	73	20
650-690	115	19	280	20	24	13	47	20	80	15	80	22
600-640	145	24	287	20	30	17	43	18	92	17	69	19
550-590	94	16	183	13	23	13	26	11	77	14	44	12
500-540	63	11	73	5	21	12	19	8	51	9	25	7
450-490	29	5	23	2	9	5	12	5	34	6	4	1
400-440	25	4	6	0	8	4	2	1	13	2		
350-390	6	1	1	0	2	1						
300-340	2	0										
250-290												
200-240												
Total	598		1,417		179		240		548		362	
Mean	614		670		631		656		647		667	
SD	90		87		104		90		100		80	
75th percentile	680		750		710		720		730		730	
50th percentile	620		670		640		670		650		670	
25th percentile	560		610		550		600		580		600	

SAT Subject Tests Score Distributions

Table 24: Foreign and Classical Languages

SAT Subject Tests	Foreign and Classical Languages											
	Chinese/Listening		French		French/Listening		German		German/Listening		Modern Hebrew	
	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct
750-800	17	61	8	7	3	15						
700-740	7	25	14	12	2	10			1	14		
650-690	1	4	33	28	3	15			1	14		
600-640			13	11	3	15	1	20				
550-590	2	7	17	15	3	15	1	20			2	67
500-540	1	4	13	11	5	25	1	20	1	14		
450-490			9	8	1	5	1	20	1	14	1	33
400-440			8	7			1	20	2	29		
350-390			1	1					1	14		
300-340												
250-290												
200-240												
Total	28		116		20		5		7		3	
Mean	742		612		622		524		514			
SD	77		101									
75th percentile	800		680		680							
50th percentile	770		630		620							
25th percentile	710		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	3	60	2	40	16	80			35	12	5	12
700-740	2	40							35	12	5	12
650-690					2	10	2	11	41	14	8	19
600-640					2	10	9	47	49	17	9	21
550-590			2	40			3	16	43	15	10	24
500-540							3	16	42	15	2	5
450-490			1	20			1	5	20	7	2	5
400-440							1	5	15	5		
350-390									5	2	1	2
300-340									2	1		
250-290												
200-240												
Total	5		5		20		19		287		42	
Mean	754		642		762		586		609		627	
SD									107		90	
75th percentile					800				690		680	
50th percentile					790				620		630	
25th percentile					770				530		570	

College Plans

Table 26: Intended College Major, Degree-Level Goal

SAT Intended College Major	Test-Takers		Mean Scores		
	Number	Pct	Critical Reading	Mathematics	Writing
Agriculture, Agriculture Operations, and Related Sciences	26	0	509	495	493
Architecture and Related Services	200	3	553	580	546
Area, Ethnic, Cultural and Gender Studies	8	0	603	559	559
Biological and Biomedical Sciences	597	8	582	591	568
Business Management, Marketing, and Related Support Services	1,002	13	539	564	534
Communication, Journalism and Related Programs	318	4	571	549	568
Computer and Information Sciences and Support Services	147	2	574	609	542
Construction Trades	3	0			
Education	330	4	550	547	543
Engineering	911	12	581	630	563
Engineering Technologies/Technicians	54	1	537	573	501
English Language and Literature/Letters	178	2	624	572	607
Family and Consumer Sciences/Human Sciences	21	0	527	538	531
Foreign Languages, Literatures, and Linguistics	100	1	619	589	611
Health Professions and Related Clinical Services	1,041	14	550	565	546
History	102	1	584	550	554
Legal Professions and Studies	176	2	577	552	560
Liberal Arts and Sciences, General Studies, and Humanities	167	2	605	574	580
Library Science/Librarianship	4	0			
Mathematics and Statistics	69	1	627	678	611
Mechanic and Repair Technologies/Technician	7	0	433	461	413
Military Sciences	18	0	603	594	578
Multi/Interdisciplinary Studies	24	0	648	617	626
Natural Resources and Conservation	39	1	569	543	548
Parks, Recreation, Leisure and Fitness Studies	38	1	498	524	481
Personal and Culinary Services	23	0	513	519	481
Philosophy and Religious Studies	29	0	601	579	561
Physical Sciences	178	2	616	638	591
Precision Production					
Psychology	332	4	551	538	543
Public Administration and Social Services Professions	17	0	547	518	562
Security and Protective Services	44	1	494	505	479
Social Sciences	208	3	618	588	596
Theology and Religious Vocations	23	0	595	559	580
Transportation and Materials Moving	4	0			
Visual and Performing Arts	620	8	582	562	568
Other	101	1	553	545	529
Undecided	310	4	588	594	571
Degree-Level Goal					
Certificate Program	39	0	530	520	503
Associate Degree	24	0	476	461	484
Bachelor's Degree	2,228	24	535	542	521
Master's Degree	3,037	33	573	581	561
Doctoral or Related Degree	2,014	22	591	599	580
Other	25	0	537	552	524
Undecided	1,790	20	578	582	564

College Plans

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

Of the 10,274 students from your state who took the SAT and/or an SAT Subject Test, 7,434 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 1,311 institutions received score reports from your students.

Institution	State	Type	Number of Students	Percent of Score Senders*
UNIVERSITY OF COLORADO BOULDER	CO	Public	3,393	45.6
COLORADO STATE UNIVERSITY FT COLLINS	CO	Public	2,390	32.1
UNIVERSITY OF DENVER	CO	Private	1,266	17.0
UNIVERSITY OF NORTHERN COLORADO	CO	Public	776	10.4
COLORADO SCHOOL OF MINES	CO	Public	709	9.5
STANFORD UNIVERSITY	CA	Private	683	9.2
NCAA ELIGIBILITY CENTER	IN	Public	616	8.3
UNIVERSITY OF COLORADO COLORADO SPRINGS	CO	Public	450	6.1
COLORADO COLLEGE	CO	Private	441	5.9
UNIVERSITY OF SOUTHERN CALIFORNIA	CA	Private	356	4.8
UNIVERSITY COLORADO DENVER	CO	Public	353	4.7
UNIVERSITY OF CALIFORNIA BERKELEY	CA	Public	348	4.7
CORNELL UNIVERSITY	NY	Private	344	4.6
NEW YORK UNIVERSITY	NY	Private	329	4.4
UNIVERSITY OF OREGON	OR	Public	320	4.3
UNIVERSITY OF WASHINGTON	WA	Public	309	4.2
HARVARD UNDERGRADUATE ADMISSIONS	MA	Private	305	4.1
NORTHWESTERN UNIVERSITY	IL	Private	301	4.0
ARIZONA STATE UNIVERSITY	AZ	Public	296	4.0
UNIVERSITY OF CALIFORNIA LOS ANGELES	CA	Public	294	4.0
YALE UNIVERSITY	CT	Private	293	3.9
METROPOLITAN STATE COLLEGE DENVER	CO	Public	290	3.9
BOSTON UNIVERSITY	MA	Private	288	3.9
UNIVERSITY OF SAN DIEGO	CA	Private	282	3.8
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	MA	Private	265	3.6
BROWN UNIVERSITY	RI	Private	252	3.4
NATIONAL MERIT SCHOLARSHIP PROGRAM	IL	Scholarship	250	3.4
PRINCETON UNIVERSITY	NJ	Private	247	3.3
DARTMOUTH COLLEGE	NH	Private	247	3.3
UNIVERSITY OF CALIFORNIA SANTA BARBARA	CA	Public	242	3.3
DUKE UNIVERSITY	NC	Private	241	3.2
REGIS UNIVERSITY	CO	Private	239	3.2
SANTA CLARA UNIVERSITY	CA	Private	236	3.2
ROCKY MOUNTAIN TALENT SEARCH	CO	Scholarship	232	3.1
WASHINGTON UNIVERSITY	MO	Private	227	3.1
UNIVERSITY OF MICHIGAN ANN ARBOR	MI	Public	214	2.9
UNITED STATES AIR FORCE ACADEMY	CO	Public	214	2.9
UNIVERSITY OF ARIZONA	AZ	Public	208	2.8
BOSTON COLLEGE	MA	Private	208	2.8
COLUMBIA UNIVERSITY COLUMBIA COLLEGE	NY	Private	198	2.7
GEORGETOWN UNIVERSITY	DC	Private	197	2.6
UNIVERSITY OF CALIFORNIA SAN DIEGO	CA	Public	196	2.6
UNIVERSITY WYOMING	WY	Public	194	2.6
FORT LEWIS COLLEGE	CO	Public	185	2.5
MONTANA STATE UNIVERSITY	MT	Public	185	2.5

*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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