



2006 College-Bound Seniors

State Profile Report

COLORADO

Included in this Report

SAT Reasoning Test™ Data

SAT Subject Tests™ Data

Demographic and Academic Information

College Plans

The SAT[®] Program

The SAT Reasoning Test[™] (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 2006* includes students who tested through April 2006.

Using This Report

College-Bound Seniors presents data for high school graduates in the year 2006 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; and
- 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 Reasoning Test and in schoolwork.
- not all students in a high school, school district, or state take the SAT Reasoning Test. Since the population of test-takers is self-selected, using aggregate SAT Reasoning Test 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 Reasoning Test scores for subgroups requires unique considerations. The most significant factor to consider in interpreting SAT Reasoning Test 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 Reasoning Test 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, like the mean, gives an idea of the performance of the typical student. Comparing the 25th to the 75th percentile point gives an idea of the range of ability in the population.

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 200–800 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: Connecting Students to College Success

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 5,000 schools, colleges, universities, and other educational organizations. Each year, the College Board serves seven million students and their parents, 23,000 high schools, and 3,500 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 Reasoning Test Scores

College-Bound Seniors, 1972–2006

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

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 2000–2006, all scores are reported on the recentered scale.

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SAT Reasoning Test™ Data

Data in this report are for high school graduates in the year 2006. Information is summarized for seniors who took the SAT Reasoning Test™ at any time during their high school years through April 2006. If a student took the test more than once, the most recent score is used.

Table 1: Overall Mean Scores

SAT Reasoning Test	Test-Takers	Critical Reading		Mathematics		Writing*	
	Number	Mean	SD	Mean	SD	Mean	SD
Total	11,806	558	99	564	99	548	95

Table 2: Mean Scores by Gender

SAT Reasoning Test	Test-Takers	Critical Reading		Mathematics		Writing	
	Number	Mean	SD	Mean	SD	Mean	SD
Male	5,323	558	99	581	99	540	96
Female	6,483	557	98	549	96	555	93

Table 3: Year in Which Seniors Last Took the SAT Reasoning Test

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

SAT Reasoning Test	Test-Takers	Critical Reading		Mathematics		Writing	
	Number	Mean	SD	Mean	SD	Mean	SD
Senior	5,510	551	99	556	100	540	96
Junior	6,150	563	98	570	97	556	93
Sophomore	125	567	109	564	106		
Freshman	21	561		582			
Total	11,806	558	99	564	99	548	95

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 Reasoning Test	Test-Takers	Critical Reading		Mathematics		Writing	
	Number	Mean	SD	Mean	SD	Mean	SD
Total Group	1,465,744	503	113	518	115	497	109

*Writing data are based on students who took the current version of the SAT Reasoning Test, first administered in March 2005. Of the 11,806 students in this report, 10,952 students have scores on the SAT writing section.

NOTE: Mean scores are reported when there are 5 or more test-takers. Standard deviations are reported when there are 25 or more test-takers.

SAT Reasoning Test 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 Reasoning Test Percentile	State			Total Group		
	Critical Reading	Mathematics	Writing	Critical Reading	Mathematics	Writing
75th	630	640	610	580	600	570
50th	560	570	550	500	520	490
25th	490	500	480	430	440	420

Table 6: Score Distributions

SAT Reasoning Test Score Range	Critical Reading			Mathematics			Writing		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
750–800	128	176	304	193	101	294	69	128	197
700–749	314	315	629	443	262	705	196	283	479
650–699	579	743	1,322	853	689	1,542	444	608	1,052
600–649	885	1,097	1,982	1,034	1,058	2,092	678	1,037	1,715
550–599	1,035	1,157	2,192	896	1,190	2,086	939	1,222	2,161
500–549	1,043	1,274	2,317	877	1,265	2,142	996	1,180	2,176
450–499	699	923	1,622	526	998	1,524	764	904	1,668
400–449	359	490	849	307	583	890	461	470	931
350–399	183	197	380	138	228	366	223	174	397
300–349	61	74	135	29	76	105	75	56	131
250–299	17	29	46	15	21	36	18	10	28
200–249	20	8	28	12	12	24	11	6	17

Table 7: Type of High School

SAT Reasoning Test	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Public	9,421	85	44	56	558	567	548
Religiously Affiliated	1,088	10	52	48	557	549	545
Independent	603	5	50	50	582	573	577
Other or Unknown	694						

Table 8: Test-Taking Conditions

SAT Reasoning Test	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
Standard Conditions	11,668	99	558	99	564	98	549	95
Nonstandard Conditions	138	1	531	107	550	115	521	103

NOTE: Percentiles are reported when there are 20 or more test-takers.

Demographic Information

SAT Reasoning Test: Mean Scores by Gender Within Ethnicity

Table 9: Total Mean Scores by Ethnicity

SAT Reasoning Test 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	82	1	558	74	553	97	538	84
Asian, Asian American, or Pacific Islander	645	5	535	117	592	102	535	110
Black or African American	347	3	488	100	478	101	485	94
Mexican or Mexican American	300	3	533	101	535	92	523	90
Puerto Rican	44	0	557	95	536	97	537	90
Other Hispanic, Latino, or Latin American	261	2	528	90	522	100	513	89
White	8,830	75	562	95	567	96	553	92
Other	327	3	554	102	559	98	544	88
No Response*	970	8	572	104	565	104	560	100
Total	11,806	100	558	99	564	99	548	95

Table 10: Male Mean Scores by Ethnicity

SAT Reasoning Test 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	37	0	559	83	585	96	533	77
Asian, Asian American, or Pacific Islander	297	3	541	116	616	98	538	111
Black or African American	139	1	475	98	476	95	454	86
Mexican or Mexican American	133	1	531	103	548	99	516	94
Puerto Rican	17	0	578		559		563	
Other Hispanic, Latino, or Latin American	97	1	530	86	553	99	511	91
White	3,996	34	563	96	585	96	543	94
Other	145	1	561	104	585	99	548	90
No Response*	462	4	568	106	580	105	549	100
Total	5,323	45	558	99	581	99	540	96

Table 11: Female Mean Scores by Ethnicity

SAT Reasoning Test 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	45	0	558	67	528	89	543	89
Asian, Asian American, or Pacific Islander	348	3	530	117	571	101	533	109
Black or African American	208	2	497	101	479	105	506	93
Mexican or Mexican American	167	1	534	99	524	84	528	86
Puerto Rican	27	0	543	97	521	98	518	83
Other Hispanic, Latino, or Latin American	164	1	527	93	504	96	515	87
White	4,834	41	562	95	553	93	560	90
Other	182	2	549	100	539	92	541	87
No Response*	508	4	577	102	552	100	569	99
Total	6,483	55	557	98	549	96	555	93

No Response indicates that students did not answer that question, did not complete the SAT Questionnaire, or stated that they did not wish to answer that question on their SAT Questionnaire.

Demographic Information

SAT Reasoning Test: 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 Reasoning Test	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
All Test-Takers	11,806	100	558	99	564	99	548	95
First Language Learned								
English	10,136	89	562	97	565	98	551	93
English and Another	814	7	537	101	550	102	528	94
Another Language	382	3	505	121	574	105	509	114
No Response*	474							
Citizenship								
U.S. Citizen / U.S. National	10,688	97	560	98	564	98	550	94
U.S. Permanent Resident or Refugee	162	1	509	115	564	112	516	114
Citizen of Another Country	122	1	468	127	584	107	480	114
Other, Unknown, or No Response*	834							
Disabling Condition								
Yes	572	5	539	106	535	105	521	98
Unknown or No Response*	11,234							
Plans to Apply for Financial Aid								
Yes	7,414	69	561	99	564	99	550	95
No	1,091	10	545	93	557	95	543	91
Don't Know	2,279	21	554	100	565	99	545	95
Family Income								
Less than \$10,000	88	1	505	114	529	111	490	96
\$10,000–\$20,000	172	2	524	106	529	98	508	98
\$20,000–\$30,000	330	4	532	113	540	108	523	102
\$30,000–\$40,000	466	6	535	99	539	102	521	96
\$40,000–\$50,000	518	7	549	104	548	97	534	98
\$50,000–\$60,000	638	8	550	95	548	99	536	92
\$60,000–\$70,000	686	9	551	96	550	95	541	88
\$70,000–\$80,000	712	9	555	98	560	98	542	94
\$80,000–\$100,000	1,356	17	561	97	571	95	550	89
More than \$100,000	2,887	37	563	94	575	97	556	92
No Response*	3,953							
Highest Level of Parental Education								
No High School Diploma	84	1	486	114	524	102	481	107
High School Diploma	1,595	14	518	96	523	96	509	91
Associate Degree	516	5	518	93	524	94	505	87
Bachelor's Degree	4,236	38	555	94	562	96	545	90
Graduate Degree	4,574	42	581	96	585	96	571	93
Took the PSAT/NMSQT®								
Yes, As a Junior	4,837	48	559	98	564	96	549	92
Yes, As a Sophomore or Younger	1,580	16	550	91	556	95	539	89
Yes, As a Junior and As a Sophomore or Younger	1,968	19	594	93	602	93	589	90
No	1,747	17	527	100	528	101	512	95

No Response indicates that students did not answer that question, did not complete the SAT Questionnaire, or stated that they did not wish to answer that question on their SAT Questionnaire.

Academic Information

Academic Record

Table 13: High School Rank

SAT Reasoning Test	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Top Tenth	2,968	40	39	61	611	625	604
Second Tenth	1,980	26	44	56	561	575	553
Second Fifth	1,400	19	50	51	538	548	527
Final Three Fifths	1,158	15	54	46	501	503	493
No Response*	4,300						

Table 14: High School Grade Point Average

SAT Reasoning Test	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
A+ (97–100)	1,365	12	38	62	617	628	612
A (93–96)	2,710	24	38	62	593	602	585
A- (90–92)	2,291	20	43	57	566	577	558
B (80–89)	4,094	36	49	51	525	528	513
C (70–79)	746	7	62	38	484	478	470
D, E, or F (below 70)	12	0	75	25	478	462	470
No Response*	588						
Mean Grade Point Average	All Students: 3.52		Male: 3.42		Female: 3.59		

Table 15: Average Years of Study in Six Academic Subjects

SAT Reasoning Test	Average Years of Study			Grade Point Average: Each Subject		
	Male	Female	Total	Male	Female	Total
Arts and Music	2.0	2.4	2.2	3.82	3.92	3.88
English	4.0	4.0	4.0	3.39	3.62	3.52
Foreign and Classical Languages	3.0	3.3	3.2	3.32	3.54	3.44
Mathematics	3.9	3.9	3.9	3.33	3.36	3.35
Natural Sciences	3.7	3.7	3.7	3.41	3.48	3.45
Social Sciences and History	3.7	3.7	3.7	3.52	3.63	3.58
Total for All Subjects	20.3	21.0	20.7			

Table 16: Total Years of Study in Combined Six Academic Subjects

Total years of study is calculated by combining the number of years that students studied each of the following subjects during high school: Arts and Music, English, Foreign and Classical Languages, Mathematics, Natural Sciences, and Social Sciences and History. 'Incomplete Response' denotes the number of test-takers who did not respond to all six subjects.

SAT Reasoning Test	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
20 or More Years	6,678	69	40	60	576	581	566
19 or 19.5 Years	1,089	11	50	50	538	547	527
18 or 18.5 Years	752	8	50	50	530	535	517
17 or 17.5 Years	423	4	55	45	519	528	503
16 or 16.5 Years	293	3	48	52	513	511	504
15 or 15.5 Years	197	2	57	43	499	507	486
Less than 15 Years	212	2	52	48	499	496	486
Incomplete Response	2,162						

*'No Response' indicates that students did not answer that question, did not complete the SAT Questionnaire, or stated that they did not wish to answer that question on their SAT Questionnaire.

Academic Information

Course-Taking Patterns

Table 17: English, Mathematics

English	Test-Takers		Percent by Gender		SAT Reasoning Test Mean Scores		
Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	875	9	41	59	581	579	567
4 Years	8,201	81	44	56	561	568	552
3 Years	884	9	44	56	524	529	516
2 Years	74	1	54	46	524	515	510
1 Year	23	0	52	48	476	522	486
1/2 Year or Less	11	0	55	45	503	529	491
No Response*	1,738						
Course Work or Experience							
American Literature	8,826	91	44	56	564	567	554
Grammar	6,251	65	43	57	567	569	557
Composition	7,236	75	43	57	570	571	559
Literature, Historical Periods	5,022	52	42	58	582	581	571
British Literature	4,100	43	43	57	584	579	570
Speaking and Listening	3,849	40	42	58	569	570	557
Literature, Other Country	2,968	31	41	59	588	589	576
English As Second Language	209	2	43	57	472	542	479
AP®/Honors Courses	4,921	49	38	62	600	597	589
Mathematics							
Years of Study	Test-Takers		Percent by Gender		SAT Reasoning Test Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	1,040	10	52	48	581	615	566
4 Years	7,068	70	44	56	563	571	553
3 Years	1,839	18	39	61	537	517	527
2 Years	125	1	41	59	528	491	513
1 Year	13	0	62	38	510	529	530
1/2 Year or Less	10	0	70	30	528	573	516
No Response*	1,711						
Course Work or Experience							
Algebra	9,578	96	44	56	558	562	547
Geometry	9,346	93	44	56	558	563	548
Trigonometry	6,476	65	45	55	572	586	561
Precalculus	6,267	63	45	55	579	596	569
Calculus	4,201	42	49	51	597	625	586
Other Math Courses	2,747	27	42	58	553	557	542
Computer Math	709	7	62	38	554	577	543
AP/Honors Courses	4,484	44	45	55	598	620	587

*No Response indicates that students did not answer that question, did not complete the SAT Questionnaire, or stated that they did not wish to answer that question on their SAT Questionnaire.

Academic Information

Course-Taking Patterns

Table 18: Natural Sciences, Social Sciences and History

Natural Sciences	Test-Takers		Percent by Gender		SAT Reasoning Test Mean Scores		
Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	937	9	46	54	593	618	577
4 Years	5,684	57	45	55	565	574	555
3 Years	2,908	29	41	59	544	538	534
2 Years	423	4	42	58	532	515	521
1 Year	62	1	45	55	504	524	499
1/2 Year or Less	39	0	51	49	530	536	531
No Response*	1,753						
Course Work or Experience							
Biology	9,691	97	44	56	559	564	549
Chemistry	9,158	91	44	56	563	570	553
Physics	6,108	61	50	50	574	591	563
Geology, Earth, or Space Science	4,994	50	44	56	547	548	535
Other Sciences	4,186	42	40	60	550	552	541
AP/Honors Courses	4,069	40	44	56	599	614	588

Social Sciences and History	Test-Takers		Percent by Gender		SAT Reasoning Test Mean Scores		
Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	752	7	44	56	588	580	569
4 Years	6,216	62	44	56	566	569	555
3 Years	2,766	27	43	57	542	557	535
2 Years	269	3	45	55	526	532	523
1 Year	44	0	57	43	503	498	490
1/2 Year or Less	18	0	50	50	506	556	482
No Response*	1,741						
Course Work or Experience							
U.S. History	9,775	97	44	56	560	565	550
World History or Cultures	7,929	79	44	56	559	565	549
U.S. Government or Civics	7,532	75	43	57	560	563	548
Economics	3,431	34	46	54	560	567	548
Geography	6,937	69	43	57	555	561	546
Psychology	3,563	35	35	65	557	556	548
European History	3,255	32	45	55	585	581	571
Sociology	1,329	13	38	62	551	548	543
Ancient History	1,630	16	44	56	562	556	547
Anthropology	253	3	44	56	547	526	530
Other Courses	2,234	22	43	57	559	561	549
AP/Honors Courses	4,297	43	42	58	601	601	589

*No Response indicates that students did not answer that question, did not complete the SAT Questionnaire, or stated that they did not wish to answer that question on their SAT Questionnaire.

Academic Information

Course-Taking Patterns

Table 19: Foreign and Classical Languages

Foreign and Classical Languages Years of Study	Test-Takers		Percent by Gender		SAT Reasoning Test Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	562	6	34	66	592	596	583
4 Years	3,486	35	36	64	588	589	582
3 Years	3,902	39	48	52	551	562	541
2 Years	1,700	17	52	48	525	529	508
1 Year	241	2	56	44	500	500	476
1/2 Year or Less	177	2	66	34	478	501	463
No Response*	1,738						
Course Work or Experience							
Chinese	104	1	43	57	562	612	566
French	2,281	23	34	66	575	572	565
German	851	8	56	44	570	571	547
Greek	40	0	60	40	586	580	568
Hebrew	116	1	43	57	569	559	567
Italian	58	1	43	57	575	567	563
Japanese	184	2	46	54	567	568	541
Korean	51	1	35	65	450	579	477
Latin	454	4	47	53	594	583	574
Russian	61	1	44	56	545	527	530
Spanish	7,159	71	44	56	555	562	547
Other Languages	165	2	40	60	547	548	532
AP/Honors Courses	2,661	26	38	62	607	610	599

*'No Response' indicates that students did not answer that question, did not complete the SAT Questionnaire, or stated that they did not wish to answer that question on their SAT Questionnaire.

Academic Information

Course-Taking Patterns

Table 20: Arts and Music, Computers

Arts and Music	Test-Takers		Percent by Gender		SAT Reasoning Test Mean Scores			
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	602	6	36	64	585	586	575	
4 Years	2,086	21	36	64	574	569	565	
3 Years	1,287	13	38	62	559	557	550	
2 Years	2,026	20	42	58	553	560	543	
1 Year	2,157	22	47	53	554	564	543	
1/2 Year or Less	1,726	17	58	42	548	565	536	
No Response*	1,922							
Course Work or Experience								
Acting or Play Production	2,331	25	36	64	582	567	569	
Art History or Appreciation	1,480	16	37	63	560	551	550	
Dance	1,086	12	11	89	550	539	545	
Drama: Study or Appreciation	1,704	18	34	66	567	555	558	
Music: Study or Appreciation	1,461	16	44	56	577	572	567	
Music Performance	3,777	41	39	61	576	577	567	
Photography or Film	2,806	30	38	62	557	558	551	
Studio Art and Design	2,900	31	37	63	558	563	552	
None	1,170	13	61	39	538	558	525	
AP/Honors Courses	892	9	37	63	599	597	588	
Computers								
Course Work or Experience	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing	
Computer Literacy	6,095	64	45	55	561	565	550	
Computer Programming	1,630	17	64	36	561	580	547	
Word Processing	6,656	70	44	56	559	564	549	
Internet Activity	5,030	53	46	54	563	567	554	
Using Computer Graphics	3,063	32	52	48	559	571	550	
Creating Spreadsheets/Databases	3,576	37	47	53	566	576	556	
None	1,497	16	36	64	567	569	557	

No Response indicates that students did not answer that question, did not complete the SAT Questionnaire, or stated that they did not wish to answer that question on their SAT Questionnaire.

SAT Subject Tests™ Data

Table 21: 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 Reasoning Test			
Number of Test-Takers	Number of Tests	Number of Test-Takers	Critical Reading Mean	Mathematics Mean	Writing Mean
2,166	5,778	1,942	635	646	629

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	123	6
2	719	33
3	1,139	53
4 or More	185	9

Table 22: Mean Scores for SAT Subject Tests and for Students Who Also Took the SAT Reasoning Test

Most, but not all, students who take the SAT Subject Tests also take the SAT Reasoning Test. This table provides a side-by-side presentation of the two scores for those students who took both tests.

	SAT Subject Test			SAT Reasoning Test						
	N	Mean	SD	N	Critical Reading Mean	SD	Mathematics Mean	SD	Writing Mean	SD
English										
Writing*	116	625	106	107	650	91	650	78	646	85
Literature	1,124	625	96	985	646	86	630	82	635	84
History and Social Studies										
U.S. History	727	612	105	647	639	92	627	91	629	84
World History	84	615	112	71	665	83	643	85	631	85
Mathematics										
Mathematics Level 1	753	596	90	642	608	91	619	80	603	85
Mathematics Level 2	1,144	664	88	1,067	645	87	680	70	640	81
Science										
Biology-E	172	629	89	157	640	87	640	72	627	84
Biology-M	201	647	79	188	641	91	654	80	635	86
Chemistry	521	644	98	472	647	82	686	69	642	78
Physics	299	650	89	269	641	91	695	73	636	84
Foreign and Classical Languages										
Chinese/Listening	21	786		20	620		704		614	
French	140	612	107	135	657	81	648	76	657	82
French/Listening	41	607	117	39	681	71	649	74	663	70
German	7	583		7	680		689		640	
German/Listening	12	557		10	614		601		627	
Modern Hebrew	3			3						
Italian	2			2						
Japanese/Listening	12	527		9	676		616		648	
Korean/Listening	11	789		11	479		653		492	
Latin	9	587		9	689		660		660	
Spanish	307	612	110	284	642	90	646	82	647	78
Spanish/Listening	72	599	107	64	643	81	642	62	644	75

*After the January 2005 administration, the SAT Subject Test in Writing was no longer administered because the SAT Reasoning Test now includes the writing section; 2006 is the last year for which scores for the SAT Subject Test in Writing are reported.

NOTE: The ELPT (English Language Proficiency Test) was last administered in January 2005. Please consult the 2005 College-Bound Seniors Reports for data on ELPT.

SAT Subject Tests Score Distributions

Table 23: English, History and Social Studies

SAT Subject Tests	English				History and Social Studies			
	Writing		Literature		U.S. History		World History	
	N	Pct	N	Pct	N	Pct	N	Pct
750–800	12	10	106	9	80	11	13	15
700–749	22	19	206	18	103	14	11	13
650–699	26	22	208	19	114	16	6	7
600–649	18	16	201	18	130	18	19	23
550–599	12	10	156	14	102	14	14	17
500–549	7	6	123	11	83	11	6	7
450–499	11	9	76	7	61	8	8	10
400–449	6	5	38	3	38	5	6	7
350–399	1	1	9	1	14	2	1	1
300–349	1	1	1	0	2	0		
250–299								
200–249								
Total	116		1,124		727		84	
Mean	625		625		612		615	
SD	106		96		105		112	
75th percentile	710		700		700		700	
50th percentile	650		630		620		620	
25th percentile	550		550		530		530	

Table 24: 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	25	3	250	22	15	9	18	9	91	17	50	17
700–749	82	11	194	17	29	17	42	21	80	15	54	18
650–699	121	16	200	17	33	19	50	25	100	19	57	19
600–649	171	23	246	22	42	24	41	20	102	20	52	17
550–599	135	18	152	13	22	13	27	13	56	11	44	15
500–549	116	15	70	6	15	9	13	6	43	8	28	9
450–499	59	8	24	2	9	5	7	3	29	6	12	4
400–449	29	4	4	0	5	3	3	1	18	3	2	1
350–399	13	2	2	0	2	1			2	0		
300–349	2	0	2	0								
250–299												
200–249												
Total	753		1,144		172		201		521		299	
Mean	596		664		629		647		644		650	
SD	90		88		89		79		98		89	
75th percentile	660		740		700		700		720		720	
50th percentile	600		660		640		650		650		660	
25th percentile	530		600		580		590		580		590	

SAT Subject Tests Score Distributions

Table 25: 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	20	95	17	12	6	15	1	14	1	8		
700–749			21	15	5	12			2	17		
650–699	1	5	20	14	4	10			1	8		
600–649			18	13	8	20	2	29				
550–599			22	16	7	17	2	29	2	17		
500–549			18	13	4	10			1	8	1	33
450–499			14	10	2	5	1	14	2	17	1	33
400–449			9	6	4	10	1	14	2	17		
350–399			1	1	1	2			1	8		
300–349											1	33
250–299												
200–249												
Total	21		140		41		7		12		3	
Mean	786		612		607		583		557			
SD			107		117							
75th percentile	800		700		680							
50th percentile	790		610		600							
25th percentile	780		530		520							

Table 26: 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	8	11	100			35	11	7	10
700–749							1	11	36	12	7	10
650–699	1	50					1	11	61	20	8	11
600–649							1	11	51	17	18	25
550–599			4	33			4	44	44	14	10	14
500–549			2	17			1	11	28	9	8	11
450–499	1	50	4	33					27	9	8	11
400–449							1	11	15	5	3	4
350–399			1	8					4	1	3	4
300–349									5	2		
250–299									1	0		
200–249												
Total	2		12		11		9		307		72	
Mean			527		789		587		612		599	
SD									110		107	
75th percentile									690		660	
50th percentile									630		620	
25th percentile									540		510	

College Plans

Table 27: Intended College Major, Degree-Level Goal, Plans for Advanced Standing

SAT Reasoning Test Intended College Major	Test-Takers		Mean Scores		
	Number	Pct	Critical Reading	Mathematics	Writing
Agriculture or Natural Resources	62	1	532	524	509
Architecture or Environmental Design	310	4	529	562	529
Arts: Visual and Performing	770	10	560	546	551
Biological Sciences	676	8	579	581	564
Business and Commerce	1,153	14	530	548	520
Communications	361	4	563	541	565
Computer or Information Sciences	208	3	566	599	543
Education	441	5	527	527	523
Engineering and Engineering Technologies	965	12	571	622	556
Foreign or Classical Languages	105	1	609	583	611
General or Interdisciplinary Studies	49	1	564	562	543
Health and Allied Services	1,090	14	542	552	537
Home Economics	24	0	491	506	508
Language and Literature	245	3	621	553	612
Library and Archival Sciences	5	0	574	510	548
Mathematics	82	1	589	665	592
Military Sciences	60	1	554	583	542
Philosophy, Religion, or Theology	76	1	596	574	574
Physical Sciences	193	2	606	631	584
Public Affairs and Services	114	1	525	525	525
Social Sciences and History	865	11	589	564	572
Technical and Vocational	46	1	498	500	489
Undecided	165	2	575	583	557
Degree-Level Goal					
Certificate Program	45	0	490	508	477
Associate Degree	35	0	485	472	493
Bachelor's Degree	2,524	23	527	533	517
Master's Degree	3,476	32	560	567	552
Doctoral or Related Degree	2,424	22	587	594	574
Other	29	0	554	519	548
Undecided	2,243	21	563	566	554
Plans for Advanced Standing in College Courses					
Art	413	4	558	561	551
Biology	1,614	17	597	604	585
Chemistry	1,426	15	608	636	595
Computer Science	295	3	602	635	582
English	4,030	44	605	597	594
Foreign Languages	2,115	23	607	609	601
Humanities	410	4	620	600	600
Mathematics	3,624	39	598	627	587
Music	312	3	595	594	583
Physics	1,097	12	615	654	601
Social Studies	3,531	38	604	602	591
None of These	2,565	28	507	508	497

College Plans

Table 28: Institutions That Received the Most SAT Program Score Reports from Your Students

Of the 12,030 students from your state who participated in the SAT Program, 8,641 designated that their SAT 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 1,492 institutions received score reports from your students.

Institution	State	Type	Number of Students	Percent of Score Senders*
UNIVERSITY OF COLORADO BOULDER	CO	Public	3,852	44.6
COLORADO STATE UNIVERSITY FT COLLINS	CO	Public	3,118	36.1
UNIVERSITY OF DENVER	CO	Private	1,480	17.1
UNIVERSITY OF NORTHERN COLORADO	CO	Public	1,321	15.3
COLORADO SCHOOL OF MINES	CO	Public	874	10.1
COLORADO COLLEGE	CO	Private	741	8.6
UNIVERSITY OF COLORADO COLORADO SPRINGS	CO	Public	653	7.6
STANFORD UNIVERSITY	CA	Private	635	7.3
UNIVERSITY OF SOUTHERN CALIFORNIA	CA	Private	484	5.6
UNIVERSITY OF COLORADO AT DENVER AND HEA	CO	Public	452	5.2
ARIZONA STATE UNIVERSITY TEMPE	AZ	Public	390	4.5
NEW YORK UNIVERSITY	NY	Private	386	4.5
METROPOLITAN STATE COLLEGE DENVER	CO	Public	367	4.2
FORT LEWIS COLLEGE	CO	Public	340	3.9
BOSTON UNIVERSITY	MA	Private	331	3.8
UNIVERSITY OF CALIFORNIA LOS ANGELES	CA	Public	325	3.8
UNIVERSITY OF SAN DIEGO	CA	Private	318	3.7
HARVARD UNDERGRADUATE ADMISSIONS	MA	Private	309	3.6
CORNELL UNIVERSITY	NY	Private	307	3.6
UNIVERSITY OF CALIFORNIA BERKELEY	CA	Public	305	3.5
REGIS UNIVERSITY	CO	Private	303	3.5
NATIONAL MERIT SCHOLARSHIP PROGRAM	IL	Scholarship	296	3.4
YALE UNIVERSITY	CT	Private	278	3.2
UNITED STATES AIR FORCE ACADEMY	CO	Public	272	3.1
UNIVERSITY OF CALIFORNIA SANTA BARBARA	CA	Public	259	3.0
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	MA	Private	249	2.9
NORTHWESTERN UNIVERSITY	IL	Private	243	2.8
WASHINGTON UNIVERSITY	MO	Private	241	2.8
NCAA INITIAL ELIG CLEARINGHSE	IA	Scholarship	238	2.8
PRINCETON UNIVERSITY	NJ	Private	238	2.8
DUKE UNIVERSITY	NC	Private	236	2.7
MONTANA STATE UNIVERSITY	MT	Public	234	2.7
MESA STATE COLLEGE	CO	Public	232	2.7
BOSTON COLLEGE	MA	Private	232	2.7
UNIVERSITY OF PUGET SOUND	WA	Private	228	2.6
UNIVERSITY OF WASHINGTON SEATTLE	WA	Public	227	2.6
BROWN UNIVERSITY	RI	Private	223	2.6
UNIVERSITY OF CALIFORNIA SAN DIEGO	CA	Public	218	2.5
UNIVERSITY OF ARIZONA	AZ	Public	217	2.5
DARTMOUTH COLLEGE	NH	Private	216	2.5
UNIVERSITY OF TEXAS AUSTIN	TX	Public	216	2.5
PEPPERDINE UNIVERSITY	CA	Private	208	2.4
COLUMBIA UNIVERSITY COLUMBIA COLLEGE	NY	Private	205	2.4
GONZAGA UNIVERSITY	WA	Private	201	2.3
UNIVERSITY OF MICHIGAN ANN ARBOR	MI	Public	194	2.2

*Of your students who designated that their SAT Program 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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