



2009 College-Bound Seniors

State Profile Report

ARIZONA

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

<u>Year</u>	<u>Critical Reading</u>			<u>Mathematics</u>			<u>Writing</u>		
	<u>Male</u>	<u>Female</u>	<u>Total</u>	<u>Male</u>	<u>Female</u>	<u>Total</u>	<u>Male</u>	<u>Female</u>	<u>Total</u>
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	21,007	516	99	521	102	497	97	50.3	9.8	7.1	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	9,557	518	101	541	103	489	98	49.7	9.9	6.9	1.6
Female	11,450	515	98	505	98	504	96	50.7	9.8	7.2	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)	11,985	505	98	508	99	486	93	49.0	9.5	7.0	1.5
Junior (2007-2008)	8,999	531	100	538	102	513	99	51.9	9.9	7.2	1.5
Sophomore (2006-2007)	20	580		565		564		57.7		7.2	
Freshman (2005-2006)	3										
Total	21,007	516	99	521	102	497	97	50.3	9.8	7.1	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.

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	580	590	560	580	600	570
50th	510	520	490	500	510	490
25th	450	450	430	420	430	410

Table 6: Score Distributions

The score ranges in the following table reflect SAT Skills Insight™, a resource that identifies skills demonstrated by typical students who score in each range. For more information and resources for educators and students, please visit www.collegeboard.com/sat-skills.

SAT Score Range	Critical Reading			Mathematics			Writing		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
700–800	436	472	908	619	338	957	224	340	564
600–690	1,678	1,829	3,507	2,327	1,779	4,106	1,148	1,579	2,727
500–590	3,489	4,187	7,676	3,377	3,769	7,146	2,978	4,042	7,020
400–490	2,910	3,790	6,700	2,530	4,127	6,657	3,585	4,095	7,680
300–390	911	1,050	1,961	631	1,303	1,934	1,487	1,289	2,776
200–290	133	122	255	73	134	207	135	105	240

Table 7: Type of High School

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Public	16,796	89	45	55	514	520	494
Religiously Affiliated	1,697	9	50	50	541	535	531
Independent	295	2	55	45	534	549	531
Other or Unknown	2,219		42	58	516	513	494

Table 8: Test-Taking Conditions

SAT	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
Standard Conditions	20,893	99	517	99	521	102	498	97
Nonstandard Conditions	114	1	471	107	475	126	464	104

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	297	1	478	100	483	101	451	87
Asian, Asian American, or Pacific Islander	1,396	7	526	114	571	114	514	116
Black or African American	991	5	460	95	452	94	440	91
Mexican or Mexican American	2,601	12	478	93	481	94	461	87
Puerto Rican	101	0	507	90	498	94	484	92
Other Hispanic, Latino, or Latin American	1,394	7	476	97	478	98	461	96
White	13,091	62	532	94	535	96	512	92
Other	572	3	505	102	504	100	487	102
No Response	564	3	534	106	523	108	508	102
Total	21,007	100	516	99	521	102	497	97

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	117	1	499	98	512	98	458	90
Asian, Asian American, or Pacific Islander	664	3	524	114	584	112	504	115
Black or African American	485	2	449	95	458	96	421	91
Mexican or Mexican American	1,161	6	482	95	502	96	457	88
Puerto Rican	46	0	512	101	503	101	483	93
Other Hispanic, Latino, or Latin American	531	3	483	96	503	95	457	91
White	6,015	29	534	96	556	97	503	93
Other	281	1	510	108	525	104	482	107
No Response	257	1	530	108	541	115	498	108
Total	9,557	45	518	101	541	103	489	98

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	180	1	464	99	464	98	446	85
Asian, Asian American, or Pacific Islander	732	3	528	115	559	114	523	116
Black or African American	506	2	471	93	447	92	457	86
Mexican or Mexican American	1,440	7	475	92	464	88	465	86
Puerto Rican	55	0	503	80	493	88	485	91
Other Hispanic, Latino, or Latin American	863	4	472	97	462	96	464	98
White	7,076	34	531	92	518	92	520	90
Other	291	1	500	94	484	91	492	96
No Response	307	1	536	104	507	100	516	96
Total	11,450	55	515	98	505	98	504	96

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	21,007	100	516	99	521	102	497	97
First Language Learned								
English	16,676	80	524	96	526	99	503	94
English and Another	2,334	11	492	105	500	108	477	102
Another Language	1,736	8	478	105	506	112	470	103
No Response	261		517	112	528	117	496	112
Citizenship								
U.S. Citizen / U.S. National	19,737	96	518	98	521	101	499	96
U.S. Permanent Resident or Refugee	519	3	494	117	530	121	485	116
Citizen of Another Country	240	1	461	102	518	110	461	100
Other, Unknown, or No Response	511		486	109	507	110	472	103
Disabling Condition								
Yes	1,082	5	495	107	494	108	473	100
Unknown or No Response	19,925		517	99	523	101	499	96
Plans to Apply for Financial Aid								
Yes	12,942	66	514	100	515	102	494	97
No	1,769	9	521	96	533	99	505	93
Don't Know	4,956	25	522	96	532	100	503	97
Family Income								
\$0 - \$20,000	1,031	7	463	97	469	98	447	90
\$20,000–\$40,000	2,050	14	485	97	487	95	467	91
\$40,000–\$60,000	2,247	15	503	98	503	99	481	93
\$60,000–\$80,000	2,353	16	511	94	513	97	491	90
\$80,000–\$100,000	2,084	14	522	94	529	96	502	91
\$100,000–\$120,000	1,807	12	526	95	532	97	505	94
\$120,000–\$140,000	874	6	541	92	543	96	517	94
\$140,000–\$160,000	694	5	534	97	546	97	514	94
\$160,000–\$200,000	719	5	537	93	547	97	522	95
More than \$200,000	1,117	7	552	96	561	101	537	99
No Response	6,031		523	102	530	105	506	100
Highest Level of Parental Education								
No High School Diploma	867	4	448	91	462	92	432	87
High School Diploma	5,794	29	487	92	490	94	469	87
Associate Degree	1,655	8	498	90	499	92	474	83
Bachelor's Degree	6,312	32	524	93	530	96	505	91
Graduate Degree	5,238	26	556	99	562	102	538	100
Took the PSAT/NMSQT®								
Yes, As a Junior	6,489	34	518	94	521	95	500	91
Yes, As a Sophomore or Younger	3,247	17	517	93	524	99	499	91
Yes, As a Junior and As a Sophomore or Younger	3,998	21	569	98	576	100	552	97
No	5,101	27	479	91	481	92	456	85

Academic Information

Academic Record

Table 13: High School Rank

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Highest Tenth	4,383	40	41	59	573	587	558
Second Tenth	3,111	29	46	54	513	523	494
Second Fifth	1,858	17	51	49	491	497	469
Final Three Fifths	1,509	14	52	48	459	458	437
No Response	10,146		45	55	506	506	486

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)	1,555	8	37	63	580	593	569
A (93–96)	4,704	23	38	62	553	565	540
A- (90–92)	4,279	21	43	57	529	538	511
B (80–89)	8,114	40	49	51	489	489	467
C (70–79)	1,583	8	61	39	457	453	430
D, E, or F (below 70)	31	0	61	39	448	428	401
No Response	741		48	52	501	500	477
Mean Grade Point Average	All Students: 3.44		Male: 3.35		Female: 3.52		

Table 15: Average Years of Study in Six Academic Subjects

SAT	Average Years of Study			Grade Point Average: Each Subject		
	Male	Female	Total	Male	Female	Total
Arts and Music	2.0	2.4	2.3	3.78	3.90	3.85
English and Language Arts	3.9	3.9	3.9	3.35	3.58	3.48
Foreign and Classical Languages	2.5	2.6	2.5	3.31	3.56	3.45
Mathematics	4.0	3.9	3.9	3.22	3.24	3.23
Natural Sciences	3.4	3.4	3.4	3.36	3.42	3.40
Social Sciences and History	3.3	3.3	3.3	3.49	3.56	3.53
Total for All Subjects	19.1	19.5	19.3			

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	559	3	44	56	539	543	519	
4 Years	16,118	86	45	55	521	526	502	
3 Years	1,904	10	45	55	494	495	473	
2 Years	156	1	49	51	474	492	462	
1 Year	27	0	52	48	468	477	436	
1/2 Year or Less	12	0	50	50	429	434	395	
No Response	2,231		49	51	500	507	481	
Course Work or Experience								
English/Language Arts	16,945	96	45	55	520	523	501	
Journalism	1,893	11	34	66	523	507	506	
Creative Writing	3,603	20	44	56	516	513	497	
American Literature	9,993	57	44	56	524	526	505	
Composition/Writing	7,137	40	43	57	519	521	502	
British Literature	3,555	20	42	58	539	535	517	
World Literature	5,041	29	46	54	528	529	509	
Communications	1,277	7	46	54	506	503	487	
Public Speaking	2,346	13	46	54	525	521	507	
English As Second Language	524	3	42	58	449	489	439	
AP®/Honors Courses	8,629	46	39	61	563	562	545	

Mathematics	Test-Takers		Percent by Gender		SAT Mean Scores			
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	2,675	14	48	52	558	590	539	
4 Years	12,930	69	45	55	518	521	499	
3 Years	2,837	15	44	56	490	480	468	
2 Years	326	2	45	55	468	447	454	
1 Year	30	0	53	47	467	453	453	
1/2 Year or Less	13	0	69	31	429	474	404	
No Response	2,196		49	51	499	506	481	
Highest Level of Mathematics Achieved*								
Calculus	5,054	27	50	50	576	608	560	
Pre-calculus	6,479	35	42	58	516	518	496	
Trigonometry	2,153	12	43	57	497	495	476	
Algebra II	4,233	23	43	57	474	459	454	
Algebra I	416	2	46	54	442	408	421	
AP/Honors Courses	7,649	41	45	55	562	583	544	

*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	769	4	49	51	569	593	551	
4 Years	7,176	39	48	52	540	548	522	
3 Years	9,220	50	42	58	503	505	484	
2 Years	1,147	6	47	53	482	479	463	
1 Year	206	1	45	55	484	482	459	
1/2 Year or Less	63	0	40	60	467	464	446	
No Response	2,426		49	51	499	506	480	
Course Work or Experience								
Biology	17,584	97	45	55	519	523	500	
Chemistry	15,730	87	45	55	524	531	506	
Physics	8,688	48	52	48	542	558	523	
Geology, Earth, or Space Science	7,793	43	45	55	497	495	477	
Other Sciences	6,781	38	38	62	515	514	496	
AP/Honors Courses	6,855	37	44	56	569	582	551	

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	422	2	49	51	574	576	549	
4 Years	6,743	36	46	54	530	529	511	
3 Years	9,349	50	43	57	515	523	496	
2 Years	1,949	10	48	52	492	498	472	
1 Year	164	1	52	48	468	471	443	
1/2 Year or Less	37	0	51	49	431	459	422	
No Response	2,343		49	51	498	505	480	
Course Work or Experience								
U.S. History	17,265	96	45	55	520	524	501	
World History or Cultures	15,569	86	45	55	519	523	500	
U.S. Government or Civics	14,455	80	44	56	519	524	501	
Economics	9,611	53	43	57	523	530	504	
Geography	5,155	29	44	56	515	521	499	
Psychology	3,693	20	33	67	533	527	514	
European History	3,313	18	48	52	549	550	530	
Sociology	1,677	9	34	66	516	505	494	
Ancient History	2,265	13	50	50	526	524	506	
Other Courses	2,195	12	45	55	526	527	506	
AP/Honors Courses	7,052	38	41	59	570	571	550	

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	450	2	39	61	578	586	569
4 Years	2,939	16	38	62	570	571	559
3 Years	4,284	23	44	56	537	541	519
2 Years	9,804	52	47	53	499	505	477
1 Year	858	5	51	49	475	473	452
1/2 Year or Less	397	2	52	48	449	455	427
No Response	2,275		49	51	498	506	480
Course Work or Experience							
Chinese	122	1	39	61	542	591	523
French	2,525	14	33	67	532	526	513
German	744	4	56	44	550	544	515
Greek	36	0	42	58	575	564	553
Hebrew	59	0	41	59	557	570	559
Italian	48	0	31	69	520	528	511
Japanese	180	1	51	49	554	556	512
Korean	19	0	58	42	446	567	467
Latin	429	2	58	42	573	573	548
Russian	31	0	48	52	525	536	501
Spanish	14,298	79	46	54	516	522	498
Other Languages	655	4	35	65	488	494	467
AP/Honors Courses	3,539	19	39	61	581	587	569

Academic Information

Course-Taking Patterns

Table 19: Arts and Music, Computers

Arts and Music	Test-Takers		Percent by Gender		SAT Mean Scores			
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	956	5	34	66	543	541	518	
4 Years	3,548	19	36	64	541	535	523	
3 Years	2,736	15	36	64	521	521	505	
2 Years	4,332	23	45	55	514	521	495	
1 Year	5,847	31	54	46	511	523	491	
1/2 Year or Less	1,143	6	52	48	479	490	461	
No Response	2,445		50	50	498	505	479	
Course Work or Experience								
Acting or Play Production	2,967	17	33	67	550	531	528	
Art History or Appreciation	3,089	18	45	55	517	517	500	
Dance	2,943	17	5	95	505	500	497	
Drama: Study or Appreciation	2,849	16	31	69	534	518	514	
Music: Study or Appreciation	1,968	11	48	52	546	540	525	
Music Performance	6,377	37	43	57	539	540	519	
Photography or Film	4,046	23	40	60	520	519	502	
Studio Art and Design	4,056	23	42	58	529	531	511	
None	2,134	12	64	36	485	504	463	
AP/Honors Courses	1,402	8	39	61	583	581	564	

Computers	Test-Takers		Percent by Gender		SAT Mean Scores		
Course Work or Experience	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Computer Literacy	10,776	63	46	54	521	525	501
Computer Programming	2,421	14	56	44	508	519	488
Word Processing	11,345	67	45	55	521	525	501
Internet Activity	8,252	48	46	54	525	528	505
Using Computer Graphics	4,808	28	50	50	523	528	504
Creating Spreadsheets/Databases	5,040	30	48	52	527	535	507
None	2,983	18	38	62	520	522	504

SAT Subject Tests™ Data

Table 20: Number of Test-Takers and Tests for SAT Subject Tests

Students Who Took SAT Subject Tests		Students Who Took an SAT Subject Test and Also Took the SAT			
Number of Test-Takers	Number of Tests	Number of Test-Takers	Critical Reading Mean	Mathematics Mean	Writing Mean
1,962	5,099	1,786	628	643	619

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	95	5
2	785	40
3	934	48
4 or More	148	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	908	606	101	803	638	88	619	90	622	89	
History and Social Studies											
U.S. History	915	625	105	844	641	88	639	92	629	90	
World History	71	606	118	66	634	90	603	107	608	100	
Mathematics											
Mathematics Level 1	579	578	105	472	595	97	611	93	583	95	
Mathematics Level 2	1,176	654	96	1,103	638	93	673	82	634	91	
Science											
Biology-E	161	616	101	137	634	95	629	96	617	99	
Biology-M	224	657	101	213	647	91	665	91	634	99	
Chemistry	424	635	107	406	642	90	691	81	637	91	
Physics	207	640	96	184	643	90	700	75	634	88	
Foreign and Classical Languages											
Chinese/Listening	24	787		22	577		689		597		
French	70	581	122	68	644	82	634	88	631	92	
French/Listening	14	572		14	661		614		655		
German											
German/Listening	2			2							
Modern Hebrew	1			1							
Italian	1			1							
Japanese/Listening	4			4							
Korean/Listening	24	773		21	516		651		548		
Latin	11	585		10	664		656		666		
Spanish	249	623	120	243	634	90	638	89	635	97	
Spanish/Listening	34	638	102	33	658	90	614	90	624	89	

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	60	7	117	13	11	15
700-740	131	14	147	16	12	17
650-690	174	19	178	19	7	10
600-640	149	16	153	17	5	7
550-590	144	16	114	12	9	13
500-540	107	12	76	8	11	15
450-490	73	8	70	8	10	14
400-440	45	5	38	4	5	7
350-390	19	2	19	2	1	1
300-340	6	1	3	0		
250-290						
200-240						
Total	908		915		71	
Mean	606		625		606	
SD	101		105		118	
75th percentile	680		710		710	
50th percentile	620		640		590	
25th percentile	540		560		500	

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	25	4	263	22	14	9	46	21	74	17	31	15
700-740	50	9	150	13	22	14	46	21	73	17	34	16
650-690	94	16	216	18	30	19	47	21	74	17	37	18
600-640	114	20	217	18	35	22	32	14	59	14	38	18
550-590	82	14	168	14	19	12	23	10	54	13	35	17
500-540	81	14	96	8	26	16	14	6	42	10	15	7
450-490	66	11	43	4	5	3	6	3	21	5	10	5
400-440	35	6	20	2	4	2	6	3	20	5	5	2
350-390	24	4	3	0	5	3	3	1	6	1	2	1
300-340	8	1			1	1	1	0	1	0		
250-290												
200-240												
Total	579		1,176		161		224		424		207	
Mean	578		654		616		657		635		640	
SD	105		96		101		101		107		96	
75th percentile	660		730		680		740		720		710	
50th percentile	590		650		630		670		650		640	
25th percentile	500		580		540		600		560		570	

SAT Subject Tests Score Distributions

Table 24: Foreign and Classical Languages

SAT Subject Tests	Foreign and Classical Languages											
	Chinese/Listening		French		French/Listening		German		German/Listening		Modern Hebrew	
	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct
750-800	23	96	11	16	1	7			1	50	1	100
700-740			2	3	1	7						
650-690	1	4	7	10	1	7						
600-640			10	14	1	7						
550-590			11	16	4	29						
500-540			7	10	4	29			1	50		
450-490			14	20								
400-440			6	9	1	7						
350-390			2	3								
300-340					1	7						
250-290												
200-240												
Total	24		70		14				2		1	
Mean	787		581		572							
SD			122									
75th percentile	800		660									
50th percentile	800		560									
25th percentile	780		480									

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	100	2	50	20	83	1	9	51	20	7	21
700-740			1	25	2	8	1	9	27	11	5	15
650-690			1	25	1	4	1	9	32	13	5	15
600-640					1	4			45	18	4	12
550-590							4	36	35	14	6	18
500-540							2	18	19	8	3	9
450-490							2	18	16	6	3	9
400-440									11	4	1	3
350-390									11	4		
300-340									1	0		
250-290									1	0		
200-240												
Total	1		4		24		11		249		34	
Mean					773		585		623		638	
SD									120		102	
75th percentile					800				720		730	
50th percentile					790				630		640	
25th percentile					760				550		550	

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	94	1	490	492	479
Architecture and Related Services	400	3	502	533	489
Area, Ethnic, Cultural and Gender Studies	15	0	523	489	499
Biological and Biomedical Sciences	927	6	548	549	525
Business Management, Marketing, and Related Support Services	2,135	13	495	510	479
Communication, Journalism and Related Programs	592	4	539	507	524
Computer and Information Sciences and Support Services	373	2	535	548	494
Construction Trades	7	0	440	500	434
Education	865	5	496	490	483
Engineering	1,386	9	535	582	508
Engineering Technologies/Technicians	200	1	496	534	467
English Language and Literature/Letters	255	2	582	526	558
Family and Consumer Sciences/Human Sciences	43	0	486	476	471
Foreign Languages, Literatures, and Linguistics	148	1	575	545	551
Health Professions and Related Clinical Services	3,451	22	503	511	490
History	184	1	563	523	519
Legal Professions and Studies	477	3	528	523	509
Liberal Arts and Sciences, General Studies, and Humanities	159	1	554	524	529
Library Science/Librarianship	10	0	558	521	521
Mathematics and Statistics	136	1	556	611	541
Mechanic and Repair Technologies/Technician	31	0	449	495	432
Military Sciences	50	0	507	516	470
Multi/Interdisciplinary Studies	30	0	611	617	595
Natural Resources and Conservation	75	0	531	529	503
Parks, Recreation, Leisure and Fitness Studies	61	0	470	486	444
Personal and Culinary Services	50	0	488	466	451
Philosophy and Religious Studies	54	0	581	550	551
Physical Sciences	237	1	565	582	533
Precision Production	3	0			
Psychology	804	5	520	502	502
Public Administration and Social Services Professions	52	0	500	471	483
Security and Protective Services	230	1	472	477	449
Social Sciences	265	2	583	543	547
Theology and Religious Vocations	47	0	525	532	497
Transportation and Materials Moving	18	0	523	521	495
Visual and Performing Arts	1,261	8	529	515	509
Other	237	1	481	481	465
Undecided	630	4	547	567	528
Degree-Level Goal					
Certificate Program	104	1	488	487	463
Associate Degree	130	1	437	440	427
Bachelor's Degree	5,174	26	493	496	472
Master's Degree	5,957	30	519	525	499
Doctoral or Related Degree	4,686	24	538	543	520
Other	63	0	490	475	474
Undecided	3,590	18	526	528	506

College Plans

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

Of the 21,183 students from your state who took the SAT and/or an SAT Subject Test, 15,424 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 1,605 institutions received score reports from your students.

Institution	State	Type	Number of Students	Percent of Score Senders*
ARIZONA STATE UNIVERSITY	AZ	Public	10,251	66.5
UNIVERSITY OF ARIZONA	AZ	Public	8,978	58.2
NORTHERN ARIZONA UNIVERSITY	AZ	Public	6,897	44.7
NCAA ELIGIBILITY CENTER	IN	Public	1,041	6.7
STANFORD UNIVERSITY	CA	Private	1,008	6.5
UNIVERSITY OF SOUTHERN CALIFORNIA	CA	Private	853	5.5
UNIVERSITY OF CALIFORNIA LOS ANGELES	CA	Public	771	5.0
GRAND CANYON UNIVERSITY	AZ	Private	574	3.7
SAN DIEGO STATE UNIVERSITY	CA	Public	566	3.7
MESA COMMUNITY COLLEGE	AZ	Public	565	3.7
UNIVERSITY OF CALIFORNIA BERKELEY	CA	Public	557	3.6
GLENDALE COMMUNITY COLLEGE ARIZONA	AZ	Public	542	3.5
UNIVERSITY OF SAN DIEGO	CA	Private	499	3.2
PIMA COMMUNITY COLLEGE	AZ	Public	496	3.2
HARVARD UNDERGRADUATE ADMISSIONS	MA	Private	476	3.1
UNIVERSITY OF COLORADO BOULDER	CO	Public	459	3.0
UNIVERSITY OF CALIFORNIA SAN DIEGO	CA	Public	456	3.0
NEW YORK UNIVERSITY	NY	Private	430	2.8
UNIVERSITY OF WASHINGTON	WA	Public	399	2.6
FLINN FOUNDATION THE	AZ	Scholarship	397	2.6
BRIGHAM YOUNG UNIVERSITY	UT	Private	368	2.4
NATIONAL MERIT SCHOLARSHIP PROGRAM	IL	Scholarship	360	2.3
YALE UNIVERSITY	CT	Private	358	2.3
COLORADO STATE UNIVERSITY FT COLLINS	CO	Public	345	2.2
UNIVERSITY OF CALIFORNIA SANTA BARBARA	CA	Public	306	2.0
PRINCETON UNIVERSITY	NJ	Private	301	2.0
NORTHWESTERN UNIVERSITY	IL	Private	285	1.8
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	MA	Private	280	1.8
CHANDLER GILBERT COMMUNITY COLLEGE	AZ	Public	277	1.8
UNIVERSITY OF OREGON	OR	Public	274	1.8
BROWN UNIVERSITY	RI	Private	256	1.7
PEPPERDINE UNIVERSITY	CA	Private	252	1.6
CORNELL UNIVERSITY	NY	Private	249	1.6
DUKE UNIVERSITY	NC	Private	241	1.6
BOSTON UNIVERSITY	MA	Private	240	1.6
UNIVERSITY OF TEXAS AUSTIN	TX	Public	238	1.5
SANTA CLARA UNIVERSITY	CA	Private	233	1.5
WASHINGTON UNIVERSITY	MO	Private	225	1.5
UNIVERSITY OF NOTRE DAME	IN	Private	222	1.4
PHOENIX COLLEGE	AZ	Public	215	1.4
COLUMBIA UNIVERSITY COLUMBIA COLLEGE	NY	Private	213	1.4
GEORGETOWN UNIVERSITY	DC	Private	204	1.3
UNIVERSITY OF MICHIGAN ANN ARBOR	MI	Public	203	1.3
EMBRY-RIDDLE AERONAUTICAL UNIVERSITY ARI	AZ	Private	197	1.3
LOYOLA MARYMOUNT UNIVERSITY	CA	Private	195	1.3

*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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