



2011 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 2011* includes students who tested through June 2011.

Using This Report

College-Bound Seniors presents data for high school graduates in the year 2011 who participated in the SAT Program. Students are counted only once, no matter how often they tested, and only their latest scores and most recent SAT Questionnaire responses are summarized. Because the accuracy of self-reported information has been documented and the college-bound population is relatively stable from year to year, SAT Questionnaire responses from these students can be considered accurate. Therefore, you can use this report to:

- Interpret scores of individual students within the broader context of data aggregated across groups of college-bound seniors.
- Study changes over time in the characteristics of students taking SAT tests.
- Look at educational and demographic changes in this population, along with changes in test performance.

Keep in mind, however, that:

- Relationships between test scores and other factors such as educational background, gender, racial/ethnic background, parental education, and household income are complex and interdependent.
- These factors do not directly affect test performance; rather, they are associated with educational experiences both on tests such as the SAT and in schoolwork.
- Occasional updates are made to the optional Student Questionnaire to improve student response rates. Fluctuations from year to year should be interpreted with appropriate consideration.
- Not all students in a high school, school district, or state take the SAT. Since the population of test-takers is self-selected, using aggregate SAT scores to compare or evaluate teachers, schools, districts, states, or other educational units is not valid, and the College Board strongly discourages such uses.
- Interpreting SAT scores for subgroups requires unique considerations. The most significant factor to consider in interpreting SAT scores for any group, or subgroup, of test-takers is the proportion of students taking the test. For example, if state data are being

considered, it is appropriate to recognize that in some states there are lower participation rates. Typically, test-takers in these states have strong academic backgrounds and apply to the nation's most selective colleges and scholarship programs. For these states, it is expected that the SAT mean scores reported for students will be higher than the national average.

Statistical Definitions

The following terms are used throughout this report. For more statistical information, visit the College Board Web site at www.collegeboard.org.

Mean

The *mean* is the arithmetic average.

Percentile

The *percentile*, also called the *percentile point*, is the point on the measurement scale below which a specified percentage of scores falls. The 25th, 50th, and 75th percentile points are often reported for large data sets. The 50th percentile point is also called the *median* and, like the mean, is an average and a good indicator of the center of the distribution of scores. Comparing the 25th and 75th percentile points gives an idea of the range of scores in the populations reported in this document. Like the standard deviation, the difference between the scores associated with the 75th and 25th percentiles is an indication of the variability of the scores in a particular sample.

Scaled score

A *scaled score* is a score that has been converted from the raw score (number of questions answered correctly minus a fraction of the incorrect answers) for reporting. The SAT Program uses the 200 to 800 point scale.

Standard deviation (SD)

The *standard deviation* (SD) is a measure of the variability of a set of scores. If test scores cluster tightly around the mean score, as they do when the group tested is relatively homogeneous, the standard deviation is smaller than it would be with a more diverse group and a greater scatter of scores around the mean.

The College Board: Inspiring Minds™

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

Total Group Mean SAT Scores

College-Bound Seniors, 1972–2011

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	503	500	501	532	499	514	487	499	493
2008	502	499	500	532	499	514	486	499	493
2009	502	497	499	533	498	514	485	498	492
2010	502	498	500	533	499	515	485	497	491
2011	500	495	497	531	500	514	482	496	489

Note: For 1972–1986 a formula was applied to the original mean and standard deviation to convert the mean to the recentered scale. For 1987–1995 individual student scores were converted to the recentered scale and then the mean was recomputed. From 1996–1999, nearly all students received scores on the recentered scale. Any score on the original scale was converted to the recentered scale prior to computing the mean. From 2000–2011, all scores are reported on the recentered scale. Cohort data presented prior to 2007 include students testing through March of the senior year, while cohort data from 2007 to present include students testing through June. For further information see <http://www.collegeboard.org/sat/cbs-2011-trends>.

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SAT® Data

Data in this report are for high school graduates in the year 2011. Information is summarized for seniors who took the SAT at any time during their high school years through June 2011. If a student took the test more than once, the most recent score is used.

Table 1: Overall Mean Scores

SAT	Test-Takers Number	Critical Reading		Mathematics		Writing *		Writing Subscores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Total	22,845	517	101	523	103	499	99	50.3	10.1	7.2	1.5

Table 2: Mean Scores by Gender

SAT	Test-Takers Number	Critical Reading		Mathematics		Writing		Writing Subscores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Male	10,349	521	102	544	103	492	99	49.9	10.0	7.0	1.6
Female	12,496	513	101	506	100	505	99	50.6	10.1	7.4	1.4

Table 3: Year in Which Seniors Last Took the SAT

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

SAT	Test-Takers Number	Critical Reading		Mathematics		Writing		Writing Subscores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Senior (2010-2011)	14,356	506	100	512	101	488	97	49.1	9.9	7.1	1.5
Junior (2009-2010)	8,464	534	102	541	103	518	99	52.3	10.1	7.4	1.4
Sophomore (2008-2009)	23	556		607		547		55.0		7.5	
Freshman (2007-2008)	2										
Total	22,845	517	101	523	103	499	99	50.3	10.1	7.2	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 Subscores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Total Group	1,647,123	497	114	514	117	489	113	49.1	11.4	7.3	1.6

*Writing data are based on students who took the current version of the SAT, first administered in March 2005. All students in the 2011 cohort took the SAT writing section. The writing section contains one essay (30 percent of the total score) and 49 multiple-choice questions (70 percent of the total score). Essay scores range from 2-12, with a very small percentage of students (less than 0.3 percent) receiving scores of 0 on the essay, for essays written completely off topic. Multiple-choice scores range from 20 to 80.

SAT Data

Table 5: Percentiles for State and Total Group

A percentile represents the point below which a percentage of scores fall. Comparing the 25th percentile point to the 75th percentile point gives an idea of the range of performance in a group.

SAT Percentile	State			Total Group		
	Critical Reading	Mathematics	Writing	Critical Reading	Mathematics	Writing
75th	590	600	560	570	600	560
50th	510	520	490	490	510	480
25th	440	450	430	420	430	410

Table 6: Score Distributions

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

SAT Score Range	Critical Reading			Mathematics			Writing		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
700–800	471	497	968	717	431	1,148	280	446	726
600-690	2,027	2,135	4,162	2,593	2,001	4,594	1,282	1,862	3,144
500-590	3,572	4,323	7,895	3,624	4,050	7,674	3,198	4,092	7,290
400-490	3,208	4,121	7,329	2,666	4,441	7,107	3,904	4,480	8,384
300-390	936	1,274	2,210	678	1,416	2,094	1,515	1,490	3,005
200-290	135	146	281	71	157	228	170	126	296

Table 7: Type of High School

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Public	19,455	89	45	55	515	523	496
Religiously Affiliated	2,015	9	49	51	546	542	533
Independent	283	1	46	54	548	559	544
Other or Unknown	1,092		44	56	487	485	467

Table 8: Test-Taking Conditions

Nonstandard conditions reflect test-takers who received an accommodation. *Disabling conditions* are self-reported student responses.

SAT	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
Disabling Conditions	1,008	4	501	107	497	112	476	102
Nonstandard Conditions	140	1	491	102	501	130	479	107

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	337	1	467	98	480	96	446	93
Asian, Asian American, or Pacific Islander	1,688	7	535	113	574	114	526	117
Black or African American	1,266	6	461	98	457	97	443	92
Mexican or Mexican American	3,181	14	475	95	480	95	461	88
Puerto Rican	111	0	512	103	499	106	489	100
Other Hispanic, Latino, or Latin American	1,703	7	470	96	475	95	455	92
White	13,444	59	536	95	541	96	517	94
Other	603	3	522	108	520	107	506	106
No Response	512	2	515	103	508	100	486	98
Total	22,845	100	517	101	523	103	499	99

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	122	1	481	104	509	94	444	94
Asian, Asian American, or Pacific Islander	787	3	535	113	588	113	516	118
Black or African American	573	3	453	102	462	100	428	94
Mexican or Mexican American	1,334	6	483	95	505	96	459	88
Puerto Rican	54	0	511	100	517	108	475	98
Other Hispanic, Latino, or Latin American	655	3	479	98	503	95	451	90
White	6,320	28	539	96	560	95	508	94
Other	258	1	525	108	544	108	500	108
No Response	246	1	515	105	526	107	468	99
Total	10,349	45	521	102	544	103	492	99

Table 11: Female Mean Scores by Ethnicity

SAT Test-Takers Who Described Themselves As:	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
American Indian or Alaska Native	215	1	459	94	463	93	448	93
Asian, Asian American, or Pacific Islander	901	4	535	113	562	113	535	114
Black or African American	693	3	468	94	452	93	456	88
Mexican or Mexican American	1,847	8	469	95	463	90	462	89
Puerto Rican	57	0	513	106	482	102	502	99
Other Hispanic, Latino, or Latin American	1,048	5	465	94	458	90	458	92
White	7,124	31	534	93	524	93	525	93
Other	345	2	520	108	502	102	511	104
No Response	266	1	515	101	492	91	502	95
Total	12,496	55	513	101	506	100	505	99

Demographic Information

SAT: Student Background Information and Characteristics

Table 12: Student Background Information and Characteristics

Student demographic information provides a broader context to aid in interpreting and understanding individual and group scores.

SAT	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
All Test-Takers	22,845	100	517	101	523	103	499	99
First Language Learned								
English	17,848	79	526	98	529	100	506	96
English and Another	2,487	11	491	107	499	110	481	105
Another Language	2,227	10	468	103	499	111	462	103
No Response	283		511	104	515	109	483	103
Citizenship								
U.S. Citizen / U.S. National	21,274	96	519	101	524	102	501	98
U.S. Permanent Resident or Refugee	531	2	488	111	526	112	483	110
Citizen of Another Country	345	2	462	107	530	118	460	110
Other, Unknown, or No Response	695		480	99	493	106	460	98
Plans to Apply for Financial Aid								
Yes	15,526	74	514	102	518	102	496	99
No	1,426	7	523	94	536	99	508	95
Don't Know	3,938	19	522	101	533	104	504	100
No Response	1,955		523	103	532	106	505	102
Family Income								
\$0 - \$20,000	1,419	10	465	100	472	100	446	93
\$20,000–\$40,000	2,323	16	485	93	489	95	467	90
\$40,000–\$60,000	2,358	16	505	98	510	96	486	92
\$60,000–\$80,000	2,122	15	516	96	521	97	498	93
\$80,000–\$100,000	1,848	13	524	97	531	98	504	96
\$100,000–\$120,000	1,546	11	535	98	542	98	514	96
\$120,000–\$140,000	792	5	534	98	541	98	518	95
\$140,000–\$160,000	546	4	542	99	557	100	525	95
\$160,000–\$200,000	643	4	541	95	551	96	524	98
More than \$200,000	941	6	555	98	570	98	543	102
No Response	8,307		523	103	529	106	506	101
Highest Level of Parental Education								
No High School Diploma	1,136	5	439	88	453	91	430	82
High School Diploma	6,360	29	488	92	491	93	469	88
Associate Degree	1,657	8	497	91	504	95	480	88
Bachelor's Degree	7,178	33	533	96	540	97	513	94
Graduate Degree	5,463	25	557	103	563	105	540	104
No Response	1,051		482	99	495	101	468	92
Took the PSAT/NMSQT®								
Yes, As a Junior	6,306	29	516	98	523	99	501	95
Yes, As a Sophomore or Younger	4,428	20	519	92	525	95	499	89
Yes, As a Junior and As a Sophomore or Younger	4,839	22	571	101	579	103	557	101
No	6,166	28	476	92	480	92	454	84
No Response	1,106		501	99	508	101	481	97

Note: Occasional updates are made to the optional Student Questionnaire to improve student response rates. Fluctuations from year to year should be interpreted with appropriate consideration.

Academic Information

Academic Record

Table 13: High School Rank

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Highest Tenth	4,487	41	41	59	577	594	563
Second Tenth	3,148	29	46	54	516	530	499
Second Fifth	1,815	17	51	49	490	497	470
Final Three Fifths	1,523	14	49	51	453	458	434
No Response	11,872		45	55	506	506	487

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)	1,783	8	37	63	587	601	577
A (93–96)	5,305	24	38	62	557	571	543
A- (90–92)	4,668	21	43	57	528	536	511
B (80–89)	8,366	38	50	50	486	487	465
C (70–79)	1,570	7	60	40	447	447	424
D, E, or F (below 70)	44	0	57	43	442	455	425
No Response	1,109		48	52	496	491	471
Mean Grade Point Average	All Students: 3.47		Male: 3.38		Female: 3.54		

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	2.2	3.78	3.89	3.84
English and Language Arts	3.9	3.9	3.9	3.37	3.59	3.49
Foreign and Classical Languages	2.5	2.5	2.5	3.33	3.56	3.46
Mathematics	4.0	3.9	4.0	3.28	3.27	3.27
Natural Sciences	3.4	3.4	3.4	3.37	3.42	3.40
Social Sciences and History	3.3	3.3	3.3	3.49	3.56	3.52
Total for All Subjects	19.1	19.4	19.3			

Note: Occasional updates are made to the optional Student Questionnaire to improve student response rates. Fluctuations from year to year should be interpreted with appropriate consideration.

Academic Information

Course-Taking Patterns

Table 16: English, Mathematics

English and Language Arts Years of Study	Test-Takers		Percent by Gender		SAT Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	1,627	8	46	54	529	539	514
4 Years	15,850	78	44	56	521	527	503
3 Years	2,246	11	44	56	495	499	477
2 Years	268	1	47	53	484	497	467
1 Year	117	1	50	50	465	469	439
1/2 Year or Less	113	1	47	53	461	467	433
No Response	2,624		50	50	509	519	491
AP®/Honors Courses	9,773	48	39	61	562	563	545
Course Work or Experience							
English/Language Arts	18,480	97	44	56	517	522	500
Journalism	1,834	10	31	69	518	505	503
Creative Writing	3,911	21	39	61	513	506	498
American Literature	11,928	63	43	57	522	526	505
Composition/Writing	10,004	53	42	58	519	521	502
British Literature	3,759	20	42	58	540	537	521
World Literature	5,932	31	43	57	529	529	509
Communications	1,641	9	43	57	503	504	489
Public Speaking	3,049	16	43	57	520	518	504
English As Second Language	814	4	41	59	446	487	441

Mathematics Years of Study	Test-Takers		Percent by Gender		SAT Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	3,857	19	49	51	553	578	535
4 Years	12,660	63	44	56	516	520	499
3 Years	3,068	15	43	57	487	480	468
2 Years	417	2	47	53	478	468	458
1 Year	106	1	42	58	463	475	445
1/2 Year or Less	123	1	39	61	466	453	438
No Response	2,614		51	49	509	518	491
AP/Honors Courses	8,877	44	46	54	561	585	543
Highest Level of Mathematics Achieved*							
Calculus	5,003	25	50	50	577	609	561
Pre-calculus	6,728	34	43	57	521	528	503
Trigonometry	2,333	12	40	60	493	490	476
Algebra II	5,083	26	42	58	474	460	455
Algebra I	485	2	39	61	439	412	419

*To better reflect the relationship between students' SAT scores and their Mathematics course work, course work is now being displayed as the highest level of mathematics achieved. This means that each student is counted only once under their highest level of mathematics course taken.

Note: Occasional updates are made to the optional Student Questionnaire to improve student response rates. Fluctuations from year to year should be interpreted with appropriate consideration.

Academic Information

Course-Taking Patterns

Table 17: Natural Sciences, Social Sciences and History

Natural Sciences	Test-Takers		Percent by Gender		SAT Mean Scores			
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	1,579	8	49	51	558	574	539	
4 Years	7,403	37	44	56	538	547	522	
3 Years	9,047	45	43	57	501	504	483	
2 Years	1,349	7	48	52	485	491	467	
1 Year	372	2	49	51	493	495	473	
1/2 Year or Less	258	1	39	61	461	464	443	
No Response	2,837		50	50	508	517	490	
AP/Honors Courses	7,728	39	44	56	568	582	551	
Course Work or Experience								
Biology	18,937	98	44	56	518	524	500	
Chemistry	16,456	85	44	56	525	533	507	
Physics	8,579	44	51	49	546	563	527	
Geology, Earth, or Space Science	7,420	38	44	56	491	488	473	
Other Sciences	7,472	39	38	62	507	509	490	

Social Sciences and History	Test-Takers		Percent by Gender		SAT Mean Scores			
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	1,037	5	49	51	552	557	534	
4 Years	6,800	34	45	55	529	530	512	
3 Years	9,563	48	43	57	514	522	496	
2 Years	2,240	11	46	54	494	506	475	
1 Year	284	1	47	53	482	495	465	
1/2 Year or Less	174	1	45	55	451	461	428	
No Response	2,747		50	50	508	517	490	
AP/Honors Courses	8,112	40	42	58	568	571	551	
Course Work or Experience								
U.S. History	18,554	96	44	56	518	524	501	
World History or Cultures	17,189	89	44	56	517	523	500	
U.S. Government or Civics	13,430	70	44	56	516	521	498	
Economics	9,823	51	43	57	518	525	500	
Geography	5,922	31	42	58	516	520	499	
Psychology	4,125	21	36	64	533	529	516	
European History	3,766	20	47	53	546	545	529	
Sociology	1,651	9	38	62	511	505	492	
Ancient History	3,043	16	47	53	526	525	506	
Other Courses	1,863	10	42	58	518	519	500	

Note: Occasional updates are made to the optional Student Questionnaire to improve student response rates. Fluctuations from year to year should be interpreted with appropriate consideration.

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	852	4	41	59	569	579	561
4 Years	2,973	15	40	60	575	578	563
3 Years	4,091	20	44	56	535	542	520
2 Years	10,368	52	46	54	499	506	479
1 Year	1,175	6	47	53	474	475	455
1/2 Year or Less	667	3	46	54	458	456	434
No Response	2,719		51	49	508	517	489
AP/Honors Courses	4,045	20	39	61	578	587	567
Course Work or Experience							
Chinese	220	1	45	55	572	608	555
French	2,650	14	32	68	527	522	508
German	719	4	56	44	547	549	516
Greek	72	0	42	58	587	587	573
Hebrew	71	0	52	48	565	543	558
Italian	72	0	31	69	486	479	482
Japanese	211	1	47	53	544	544	510
Korean	21	0	43	57	517	544	483
Latin	498	3	48	52	576	570	553
Russian	45	0	67	33	511	531	487
Spanish	15,094	78	46	54	515	523	499
Other Languages	749	4	35	65	495	497	474

Note: Occasional updates are made to the optional Student Questionnaire to improve student response rates. Fluctuations from year to year should be interpreted with appropriate consideration.

Academic Information

Course-Taking Patterns

Table 19: Arts and Music, Computers

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	1,404	7	36	64	545	543	526
4 Years	3,381	17	34	66	540	535	525
3 Years	2,822	14	35	65	525	523	509
2 Years	4,675	23	45	55	513	521	496
1 Year	6,019	30	54	46	511	525	491
1/2 Year or Less	1,639	8	52	48	479	490	458
No Response	2,905		51	49	508	518	491
AP/Honors Courses	1,548	8	36	64	578	577	564
Course Work or Experience							
Acting or Play Production	3,377	18	33	67	548	534	531
Art History or Appreciation	3,363	18	42	58	519	518	503
Dance	3,281	17	8	92	501	498	494
Drama: Study or Appreciation	3,356	18	32	68	528	520	514
Music: Study or Appreciation	2,336	12	45	55	551	546	535
Music Performance	7,246	38	42	58	540	542	524
Photography or Film	4,866	26	37	63	517	516	502
Studio Art and Design	4,505	24	39	61	529	531	512
None	2,342	12	64	36	482	500	459

Computers Course Work or Experience	Test-Takers		Percent by Gender		SAT Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Computer Literacy	10,316	57	46	54	524	529	505
Computer Programming	2,382	13	60	40	509	529	491
Word Processing	9,821	54	44	56	522	526	504
Internet Activity	7,648	42	45	55	523	527	505
Using Computer Graphics	5,465	30	50	50	520	526	502
Creating Spreadsheets/Databases	5,568	31	46	54	526	533	509
None	4,233	23	40	60	512	518	497

Note: Occasional updates are made to the optional Student Questionnaire to improve student response rates. Fluctuations from year to year should be interpreted with appropriate consideration.

SAT Subject Tests™ Data

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

Students Who Took SAT Subject Tests		Students Who Took an SAT Subject Test and Also Took the SAT			
Number of Test-Takers	Number of Tests	Number of Test-Takers	Critical Reading Mean	Mathematics Mean	Writing Mean
2,065	5,111	1,968	632	649	627

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	126	6
2	1,017	49
3	774	37
4 or More	148	7

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

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

	SAT Subject Test			N	SAT						
	N	Mean	SD		Critical Reading Mean	SD	Mathematics Mean	SD	Writing Mean	SD	
English											
Literature	885	619	95	845	644	86	625	87	634	88	
History and Social Studies											
U.S. History	901	652	93	876	648	82	643	84	639	85	
World History	62	603	115	55	612	117	627	109	609	119	
Mathematics											
Mathematics Level 1	482	609	92	446	602	90	625	83	599	92	
Mathematics Level 2	1,240	668	90	1,200	640	90	679	74	637	87	
Science											
Biology-E	182	623	103	173	636	97	632	83	631	90	
Biology-M	247	653	94	234	645	84	671	75	642	92	
Chemistry	462	647	103	442	644	94	688	76	644	87	
Physics	255	646	93	242	635	96	697	70	624	88	
Foreign and Classical Languages											
Chinese/Listening	18	788		17	578		720		574		
French	44	551	95	42	606	74	610	84	621	80	
French/Listening	6	535		5	578		594		628		
German											
German/Listening	1			1							
Modern Hebrew	1										
Italian	3			3							
Japanese/Listening	9	699		9	581		589		573		
Korean/Listening	21	753		21	543		655		564		
Latin	25	592	99	24	670		667		688		
Spanish	231	632	120	219	622	99	633	91	627	97	
Spanish/Listening	36	688	98	35	644	88	653	69	655	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	81	9	154	17	8	13
700-740	132	15	188	21	5	8
650-690	167	19	181	20	8	13
600-640	169	19	137	15	12	19
550-590	143	16	100	11	11	18
500-540	93	11	85	9	5	8
450-490	64	7	36	4	9	15
400-440	24	3	15	2		
350-390	10	1	3	0	4	6
300-340	1	0	2	0		
250-290						
200-240	1	0				
Total	885		901		62	
Mean	619		652		603	
SD	95		93		115	
75th percentile	690		720		670	
50th percentile	630		670		600	
25th percentile	550		590		530	

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	27	6	307	25	17	9	44	18	100	22	41	16
700-740	65	13	197	16	41	23	51	21	68	15	45	18
650-690	98	20	233	19	27	15	44	18	84	18	48	19
600-640	89	18	228	18	27	15	48	19	66	14	45	18
550-590	89	18	163	13	27	15	24	10	62	13	29	11
500-540	47	10	73	6	20	11	23	9	39	8	36	14
450-490	44	9	31	3	13	7	6	2	27	6	6	2
400-440	18	4	4	0	7	4	5	2	16	3	5	2
350-390	5	1	4	0	2	1	1	0				
300-340					1	1	1	0				
250-290												
200-240												
Total	482		1,240		182		247		462		255	
Mean	609		668		623		653		647		646	
SD	92		90		103		94		103		93	
75th percentile	680		740		700		730		740		720	
50th percentile	620		670		640		660		650		650	
25th percentile	550		610		550		600		570		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	17	94	1	2							1	100
700-740	1	6	3	7	1	17			1	100		
650-690			4	9	1	17						
600-640			4	9								
550-590			10	23								
500-540			8	18	1	17						
450-490			8	18	1	17						
400-440			5	11	1	17						
350-390			1	2	1	17						
300-340												
250-290												
200-240												
Total	18		44		6				1		1	
Mean	788		551		535							
SD			95									
75th percentile			610									
50th percentile			540									
25th percentile			490									

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			5	56	17	81	1	4	55	24	14	39
700-740	1	33	1	11	1	5	5	20	30	13	7	19
650-690	1	33			1	5	4	16	27	12	4	11
600-640			1	11			2	8	35	15	3	8
550-590			1	11	1	5	2	8	20	9	3	8
500-540			1	11	1	5	6	24	28	12	4	11
450-490							4	16	20	9	1	3
400-440							1	4	11	5		
350-390									5	2		
300-340												
250-290	1	33										
200-240												
Total	3		9		21		25		231		36	
Mean			699		753		592		632		688	
SD							99		120		98	
75th percentile					800		670		740		770	
50th percentile					780		550		640		720	
25th percentile					750		500		530		600	

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	114	1	504	494	494
Architecture and Related Services	376	2	504	534	488
Area, Ethnic, Cultural and Gender Studies	29	0	570	531	551
Biological and Biomedical Sciences	1,223	6	541	550	524
Business Management, Marketing, and Related Support Services	2,035	10	502	520	485
Communication, Journalism and Related Programs	606	3	528	507	517
Computer and Information Sciences and Support Services	361	2	530	551	494
Construction Trades	7	0	479	529	459
Education	793	4	499	495	490
Engineering	1,913	10	542	586	515
Engineering Technologies/Technicians	284	1	497	541	468
English Language and Literature/Letters	284	1	582	527	566
Family and Consumer Sciences/Human Sciences	66	0	492	503	485
Foreign Languages, Literatures, and Linguistics	139	1	558	536	536
Health Professions and Related Clinical Services	4,291	22	504	513	492
History	203	1	556	516	521
Legal Professions and Studies	587	3	525	517	506
Liberal Arts and Sciences, General Studies, and Humanities	182	1	555	525	537
Library Science And Administration	9	0	634	539	543
Mathematics and Statistics	184	1	536	602	525
Mechanic and Repair Technologies/Technician	42	0	442	483	415
Military Technologies And Applied Sciences	38	0	497	506	446
Multi/Interdisciplinary Studies	31	0	640	640	617
Natural Resources and Conservation	112	1	544	531	518
Parks, Recreation, Leisure and Fitness Studies	86	0	463	490	451
Personal and Culinary Services	77	0	478	479	462
Philosophy and Religious Studies	60	0	558	531	526
Physical Sciences	381	2	554	571	529
Precision Production					
Psychology	1,090	6	523	509	507
Public Administration and Social Services Professions	58	0	494	464	481
Security and Protective Services	426	2	472	477	448
Social Sciences	330	2	581	550	558
Theology and Religious Vocations	47	0	548	524	509
Transportation and Materials Moving	11	0	517	536	487
Visual and Performing Arts	1,476	7	534	513	517
Other	387	2	492	490	470
Undecided	1,369	7	544	553	527
Degree-Level Goal					
Certificate Program	160	1	486	490	464
Associate Degree	170	1	439	434	426
Bachelor's Degree	6,286	30	494	501	475
Master's Degree	6,060	29	522	529	505
Doctoral or Related Degree	5,332	25	539	546	524
Other	103	0	465	454	449
Undecided	3,129	15	523	525	502

College Plans

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

Of the 22,942 students from your state who took the SAT and/or an SAT Subject Test, 14,232 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 1,529 institutions received score reports from your students.

Institution	State	Type	Number of Students	Percent of Score Senders*
ARIZONA STATE UNIVERSITY	AZ	Public	8,358	58.7
UNIVERSITY OF ARIZONA	AZ	Public	7,028	49.4
NORTHERN ARIZONA UNIVERSITY	AZ	Public	5,702	40.1
NCAA ELIGIBILITY CENTER	IN	Public	1,091	7.7
STANFORD UNIVERSITY	CA	Private	963	6.8
GRAND CANYON UNIVERSITY	AZ	Private	826	5.8
UNIVERSITY OF SOUTHERN CALIFORNIA	CA	Private	683	4.8
UNIVERSITY OF CALIFORNIA LOS ANGELES	CA	Public	619	4.3
UNIVERSITY OF CALIFORNIA BERKELEY	CA	Public	538	3.8
HARVARD UNDERGRADUATE ADMISSIONS	MA	Private	473	3.3
FLINN FOUNDATION THE	AZ	Scholarship	473	3.3
SAN DIEGO STATE UNIVERSITY	CA	Public	457	3.2
UNIVERSITY OF SAN DIEGO	CA	Private	418	2.9
UNIVERSITY OF CALIFORNIA SAN DIEGO	CA	Public	399	2.8
NATIONAL MERIT SCHOLARSHIP PROGRAM	IL	Scholarship	366	2.6
NEW YORK UNIVERSITY	NY	Private	365	2.6
UNIVERSITY OF WASHINGTON	WA	Public	354	2.5
COLUMBIA UNIVERSITY UNDERGRADUATE ADMISSIONS	NY	Private	347	2.4
UNIVERSITY OF OREGON	OR	Public	346	2.4
UNIVERSITY OF COLORADO BOULDER	CO	Public	344	2.4
BRIGHAM YOUNG UNIVERSITY	UT	Private	327	2.3
YALE UNIVERSITY	CT	Private	314	2.2
DUKE UNIVERSITY	NC	Private	312	2.2
COLORADO STATE UNIVERSITY FT COLLINS	CO	Public	311	2.2
PRINCETON UNIVERSITY	NJ	Private	301	2.1
BROWN UNIVERSITY	RI	Private	293	2.1
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	MA	Private	292	2.1
PIMA COMMUNITY COLLEGE	AZ	Public	280	2.0
PEPPERDINE UNIVERSITY	CA	Private	270	1.9
NORTHWESTERN UNIVERSITY	IL	Private	260	1.8
CORNELL UNIVERSITY	NY	Private	260	1.8
SANTA CLARA UNIVERSITY	CA	Private	253	1.8
MESA COMMUNITY COLLEGE	AZ	Public	253	1.8
UNIVERSITY OF TEXAS AUSTIN	TX	Public	246	1.7
BOSTON UNIVERSITY	MA	Private	245	1.7
UNIVERSITY OF PENNSYLVANIA UNDERGRADUATE ADMISSIONS	PA	Private	240	1.7
GLENDALE COMMUNITY COLLEGE ARIZONA	AZ	Public	235	1.7
UNIVERSITY OF CHICAGO	IL	Private	231	1.6
EMBRY-RIDDLE AERONAUTICAL UNIVERSITY ARLINGTON	AZ	Private	213	1.5
UNIVERSITY OF PORTLAND	OR	Private	203	1.4
UNIVERSITY OF NOTRE DAME	IN	Private	201	1.4
LOYOLA MARYMOUNT UNIVERSITY	CA	Private	198	1.4
UNIVERSITY OF CALIFORNIA SANTA BARBARA	CA	Public	192	1.3
UNIVERSITY OF MICHIGAN ANN ARBOR	MI	Public	189	1.3
WASHINGTON UNIVERSITY	MO	Private	186	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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