



2011 College-Bound Seniors

State Profile Report

PENNSYLVANIA

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	105,907	493	107	501	111	479	109	48.2	10.9	7.2	1.6

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	49,511	497	109	517	113	472	109	47.7	10.9	6.9	1.7
Female	56,396	490	105	486	106	486	108	48.6	10.9	7.4	1.5

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)	66,795	479	104	486	108	465	105	46.7	10.5	7.0	1.6
Junior (2009-2010)	38,973	517	107	526	111	504	110	50.7	11.1	7.4	1.6
Sophomore (2008-2009)	136	548	145	562	151	537	148	54.4	14.4	7.3	1.9
Freshman (2007-2008)	3										
Total	105,907	493	107	501	111	479	109	48.2	10.9	7.2	1.6

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	560	580	550	570	600	560
50th	490	500	470	490	510	480
25th	420	420	400	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	1,903	1,755	3,658	2,960	1,503	4,463	1,407	1,935	3,342
600-690	7,333	7,372	14,705	9,750	7,458	17,208	5,259	7,029	12,288
500-590	15,347	17,089	32,436	15,413	16,463	31,876	12,865	16,238	29,103
400-490	16,641	20,142	36,783	14,574	20,160	34,734	17,916	19,975	37,891
300-390	6,796	8,412	15,208	5,518	8,890	14,408	9,913	9,456	19,369
200-290	1,491	1,626	3,117	1,296	1,922	3,218	2,151	1,763	3,914

Table 7: Type of High School

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Public	87,029	85	46	54	490	500	475
Religiously Affiliated	12,594	12	49	51	522	514	516
Independent	2,463	2	55	45	528	545	526
Other or Unknown	3,821		50	50	454	445	431

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	6,139	6	456	110	454	113	436	106
Nonstandard Conditions	2,401	2	451	119	458	126	445	117

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	294	0	468	105	471	106	455	99
Asian, Asian American, or Pacific Islander	4,505	4	506	131	578	129	512	135
Black or African American	12,138	11	408	97	405	98	393	95
Mexican or Mexican American	573	1	462	107	466	109	442	108
Puerto Rican	1,896	2	425	99	426	98	411	96
Other Hispanic, Latino, or Latin American	2,064	2	456	109	457	110	442	112
White	79,365	75	510	98	517	101	496	101
Other	2,101	2	479	120	478	121	464	120
No Response	2,971	3	458	118	454	115	435	115
Total	105,907	100	493	107	501	111	479	109

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	123	0	470	108	493	110	451	104
Asian, Asian American, or Pacific Islander	2,207	2	506	133	589	129	503	135
Black or African American	5,539	5	407	99	410	102	383	95
Mexican or Mexican American	268	0	468	104	488	116	438	104
Puerto Rican	813	1	430	99	441	102	405	97
Other Hispanic, Latino, or Latin American	904	1	462	107	477	111	440	108
White	37,279	35	514	99	534	102	488	101
Other	857	1	482	125	499	123	457	123
No Response	1,521	1	464	121	470	119	432	117
Total	49,511	47	497	109	517	113	472	109

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	171	0	467	103	455	100	457	96
Asian, Asian American, or Pacific Islander	2,298	2	506	129	568	129	520	134
Black or African American	6,599	6	410	96	400	94	402	95
Mexican or Mexican American	305	0	457	110	447	98	445	111
Puerto Rican	1,083	1	422	98	414	94	416	95
Other Hispanic, Latino, or Latin American	1,160	1	452	110	442	108	444	115
White	42,086	40	506	97	501	96	503	100
Other	1,244	1	476	116	463	117	468	118
No Response	1,450	1	452	115	437	109	438	113
Total	56,396	53	490	105	486	106	486	108

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	105,907	100	493	107	501	111	479	109
First Language Learned								
English	93,051	90	497	104	502	107	482	106
English and Another	6,320	6	477	119	492	127	467	123
Another Language	4,433	4	457	123	518	140	461	130
No Response	2,103		452	127	454	125	431	127
Citizenship								
U.S. Citizen / U.S. National	98,356	97	497	105	503	108	483	107
U.S. Permanent Resident or Refugee	1,847	2	449	131	494	140	450	133
Citizen of Another Country	1,049	1	463	122	575	141	481	128
Other, Unknown, or No Response	4,655		431	112	445	121	414	113
Plans to Apply for Financial Aid								
Yes	75,180	80	493	103	498	107	478	105
No	4,412	5	523	108	537	112	518	113
Don't Know	14,702	16	505	109	519	112	493	111
No Response	11,613		470	121	480	125	455	123
Family Income								
\$0 - \$20,000	5,296	8	427	100	434	104	411	98
\$20,000–\$40,000	9,405	15	461	98	466	101	443	97
\$40,000–\$60,000	10,863	17	482	96	487	99	464	96
\$60,000–\$80,000	10,724	17	494	95	501	97	478	95
\$80,000–\$100,000	8,875	14	506	96	516	100	492	97
\$100,000–\$120,000	6,754	11	515	96	526	100	502	97
\$120,000–\$140,000	3,239	5	521	98	532	100	510	101
\$140,000–\$160,000	2,233	4	532	98	542	100	521	99
\$160,000–\$200,000	2,348	4	538	101	546	103	530	103
More than \$200,000	3,419	5	565	100	579	103	562	104
No Response	42,751		492	113	500	117	480	116
Highest Level of Parental Education								
No High School Diploma	2,406	2	404	98	423	107	392	94
High School Diploma	36,114	37	459	93	466	98	444	93
Associate Degree	9,617	10	477	91	483	96	459	91
Bachelor's Degree	29,668	30	517	98	526	103	505	100
Graduate Degree	20,691	21	555	107	560	110	546	110
No Response	7,411		440	111	449	114	424	110
Took the PSAT/NMSQT®								
Yes, As a Junior	33,194	34	492	102	500	105	479	102
Yes, As a Sophomore or Younger	13,714	14	510	100	522	104	499	103
Yes, As a Junior and As a Sophomore or Younger	24,994	26	539	105	548	109	533	107
No	26,095	27	456	96	460	99	435	92
No Response	7,910		441	114	451	120	425	115

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	13,923	29	43	57	580	600	574
Second Tenth	12,647	26	45	55	515	533	504
Second Fifth	9,882	21	52	48	485	497	470
Final Three Fifths	11,608	24	52	48	439	441	422
No Response	57,847		46	54	479	482	465

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)	6,926	7	39	61	589	606	585
A (93–96)	21,781	22	40	60	548	563	540
A- (90–92)	19,411	19	44	56	516	527	505
B (80–89)	42,544	43	50	50	462	466	445
C (70–79)	8,831	9	58	42	410	406	387
D, E, or F (below 70)	342	0	61	39	409	408	388
No Response	6,072		52	48	460	458	437
Mean Grade Point Average	All Students: 3.39		Male: 3.32		Female: 3.46		

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	1.9	2.4	2.2	3.62	3.80	3.72
English and Language Arts	3.9	3.9	3.9	3.31	3.53	3.43
Foreign and Classical Languages	2.7	2.9	2.8	3.18	3.43	3.31
Mathematics	3.9	3.9	3.9	3.24	3.26	3.25
Natural Sciences	3.6	3.6	3.6	3.28	3.32	3.30
Social Sciences and History	3.7	3.7	3.7	3.44	3.47	3.45
Total for All Subjects	19.7	20.4	20.1			

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	10,298	11	43	57	507	516	497
4 Years	63,321	71	47	53	505	513	491
3 Years	12,572	14	44	56	465	471	452
2 Years	1,680	2	47	53	458	474	447
1 Year	761	1	46	54	438	447	426
1/2 Year or Less	1,031	1	55	45	427	438	405
No Response	16,244		51	49	468	477	453
AP®/Honors Courses	30,077	34	39	61	564	566	555
Course Work or Experience							
English/Language Arts	81,061	96	45	55	498	504	484
Journalism	8,880	11	36	64	497	487	486
Creative Writing	23,257	28	39	61	494	490	483
American Literature	58,372	69	45	55	502	507	489
Composition/Writing	47,985	57	44	56	498	502	486
British Literature	25,950	31	45	55	516	517	502
World Literature	31,500	37	45	55	505	508	491
Communications	12,177	14	45	55	486	493	474
Public Speaking	22,037	26	42	58	502	504	489
English As Second Language	3,924	5	45	55	429	467	427

Mathematics Years of Study	Test-Takers		Percent by Gender		SAT Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	15,574	17	47	53	516	542	505
4 Years	54,079	60	47	53	505	511	492
3 Years	16,726	19	43	57	468	463	453
2 Years	1,605	2	50	50	454	462	442
1 Year	669	1	48	52	433	450	420
1/2 Year or Less	1,144	1	49	51	429	423	407
No Response	16,110		51	49	468	477	453
AP/Honors Courses	27,094	30	48	52	563	594	555
Highest Level of Mathematics Achieved*							
Calculus	21,461	24	51	49	561	596	552
Pre-calculus	21,626	25	45	55	515	527	503
Trigonometry	13,506	15	45	55	482	484	467
Algebra II	26,186	30	43	57	452	440	435
Algebra I	3,610	4	46	54	420	399	401

*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	12,194	14	44	56	526	546	515	
4 Years	45,881	52	47	53	509	517	497	
3 Years	23,224	26	44	56	476	477	462	
2 Years	3,410	4	50	50	460	467	443	
1 Year	1,803	2	47	53	453	462	436	
1/2 Year or Less	2,175	2	46	54	429	433	410	
No Response	17,220		51	49	467	476	452	
AP/Honors Courses	25,782	29	45	55	567	587	559	
Course Work or Experience								
Biology	83,597	98	45	55	499	506	485	
Chemistry	77,910	91	45	55	503	512	490	
Physics	44,623	52	49	51	519	536	506	
Geology, Earth, or Space Science	44,414	52	46	54	484	487	468	
Other Sciences	28,846	34	41	59	492	495	477	

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	10,383	12	45	55	518	525	505	
4 Years	53,826	60	47	53	508	515	495	
3 Years	19,758	22	44	56	474	482	461	
2 Years	2,789	3	47	53	450	463	439	
1 Year	1,050	1	48	52	438	446	426	
1/2 Year or Less	1,408	2	48	52	425	433	407	
No Response	16,693		51	49	467	476	452	
AP/Honors Courses	28,958	32	45	55	566	573	555	
Course Work or Experience								
U.S. History	76,449	90	46	54	501	508	488	
World History or Cultures	71,541	84	45	55	498	505	485	
U.S. Government or Civics	50,034	59	46	54	496	502	481	
Economics	25,667	30	47	53	497	506	481	
Geography	17,202	20	46	54	484	488	470	
Psychology	24,407	29	36	64	508	509	495	
European History	27,536	32	48	52	524	528	510	
Sociology	12,746	15	39	61	495	495	480	
Ancient History	15,762	19	48	52	505	504	491	
Other Courses	13,199	16	43	57	490	495	475	

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	6,969	8	39	61	552	561	548
4 Years	21,601	24	42	58	544	551	538
3 Years	24,367	27	45	55	506	516	494
2 Years	26,096	29	49	51	466	472	448
1 Year	4,581	5	52	48	435	438	411
1/2 Year or Less	5,406	6	54	46	417	424	394
No Response	16,887		51	49	466	475	451
AP/Honors Courses	15,084	17	40	60	579	589	577
Course Work or Experience							
Chinese	1,272	1	50	50	518	554	507
French	15,502	18	36	64	514	514	501
German	8,905	10	55	45	518	524	496
Greek	277	0	60	40	548	541	527
Hebrew	287	0	45	55	551	549	550
Italian	1,415	2	42	58	502	497	492
Japanese	628	1	52	48	533	541	509
Korean	163	0	50	50	471	553	478
Latin	6,389	7	49	51	548	548	535
Russian	312	0	46	54	496	504	481
Spanish	57,421	67	45	55	494	501	482
Other Languages	935	1	41	59	464	474	457

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	Test-Takers		Percent by Gender		SAT Mean Scores			
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	7,216	8	35	65	518	517	507	
4 Years	17,461	20	37	63	521	520	510	
3 Years	11,482	13	39	61	493	495	482	
2 Years	16,073	18	46	54	489	497	475	
1 Year	13,616	16	50	50	491	502	478	
1/2 Year or Less	21,195	24	57	43	484	500	467	
No Response	18,864		52	48	472	482	457	
AP/Honors Courses	4,546	5	38	62	570	568	562	
Course Work or Experience								
Acting or Play Production	13,766	17	32	68	535	520	523	
Art History or Appreciation	13,858	17	37	63	506	499	494	
Dance	8,900	11	10	90	491	487	489	
Drama: Study or Appreciation	9,529	12	30	70	510	499	500	
Music: Study or Appreciation	14,830	18	47	53	523	517	509	
Music Performance	31,178	38	39	61	522	524	511	
Photography or Film	16,651	20	34	66	503	501	491	
Studio Art and Design	16,608	20	34	66	512	511	500	
None	21,807	27	60	40	473	493	457	

Computers	Test-Takers		Percent by Gender		SAT Mean Scores		
Course Work or Experience	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Computer Literacy	54,268	66	46	54	506	512	492
Computer Programming	15,203	19	60	40	496	514	480
Word Processing	55,139	67	44	56	505	510	491
Internet Activity	39,676	48	46	54	504	509	490
Using Computer Graphics	29,103	35	50	50	502	511	488
Creating Spreadsheets/Databases	34,593	42	46	54	508	517	495
None	10,198	12	40	60	479	487	469

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
9,271	23,414		9,105	636	656	636

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	813	9
2	4,178	45
3	3,239	35
4 or More	1,041	11

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	3,181	630	92	3,128	657	86	631	84	653	86	
History and Social Studies											
U.S. History	3,326	652	93	3,270	657	82	651	84	653	84	
World History	415	641	103	413	667	84	655	87	662	87	
Mathematics											
Mathematics Level 1	3,792	633	84	3,715	619	89	645	80	622	88	
Mathematics Level 2	4,684	689	82	4,617	646	92	695	68	649	87	
Science											
Biology-E	875	634	95	861	645	90	650	87	644	91	
Biology-M	1,459	653	89	1,437	647	86	668	80	650	87	
Chemistry	2,462	652	93	2,428	645	92	690	73	646	87	
Physics	1,374	653	88	1,357	643	92	702	69	636	88	
Foreign and Classical Languages											
Chinese/Listening	99	750	81	97	607	128	697	83	617	124	
French	386	582	106	381	652	82	645	86	658	81	
French/Listening	80	583	105	80	649	89	619	87	652	88	
German	35	559	108	35	662	82	669	85	654	77	
German/Listening	44	576	105	43	670	89	646	69	666	85	
Modern Hebrew	14	626		14	606		676		649		
Italian	11	675		10	646		616		659		
Japanese/Listening	21	684		21	582		671		601		
Korean/Listening	68	778	48	66	530	102	689	58	592	101	
Latin	186	600	99	183	683	73	678	67	676	70	
Spanish	775	600	112	770	649	87	648	86	659	85	
Spanish/Listening	127	609	113	124	636	90	620	93	644	95	

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	293	9	542	16	86	21
700-740	595	19	692	21	61	15
650-690	661	21	678	20	51	12
600-640	588	18	556	17	73	18
550-590	508	16	374	11	66	16
500-540	262	8	261	8	44	11
450-490	141	4	147	4	24	6
400-440	79	2	46	1	7	2
350-390	46	1	24	1	3	1
300-340	6	0	6	0		
250-290	2	0				
200-240						
Total	3,181		3,326		415	
Mean	630		652		641	
SD	92		93		103	
75th percentile	700		720		730	
50th percentile	640		670		640	
25th percentile	570		590		560	

Table 23: Mathematics, Science

SAT Subject Tests	Mathematics				Science							
	Mathematics Level 1		Mathematics Level 2		Biology-E		Biology-M		Chemistry		Physics	
	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct
750-800	244	6	1,453	31	106	12	230	16	459	19	229	17
700-740	742	20	841	18	152	17	303	21	423	17	239	17
650-690	866	23	906	19	165	19	292	20	471	19	275	20
600-640	780	21	860	18	168	19	281	19	441	18	269	20
550-590	604	16	413	9	132	15	167	11	315	13	206	15
500-540	301	8	152	3	80	9	117	8	217	9	99	7
450-490	153	4	43	1	37	4	39	3	84	3	46	3
400-440	62	2	10	0	27	3	18	1	43	2	10	1
350-390	34	1	5	0	4	0	9	1	9	0	1	0
300-340	6	0	1	0	1	0	3	0				
250-290					3	0						
200-240												
Total	3,792		4,684		875		1,459		2,462		1,374	
Mean	633		689		634		653		652		653	
SD	84		82		95		89		93		88	
75th percentile	700		760		710		720		720		720	
50th percentile	640		690		640		660		660		660	
25th percentile	580		630		570		600		590		590	

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	73	74	32	8	8	10			3	7	4	29
700-740	8	8	28	7	2	3	4	11	4	9	1	7
650-690	7	7	50	13	13	16	5	14	5	11	1	7
600-640	3	3	61	16	15	19	6	17	9	20	1	7
550-590	3	3	66	17	8	10	2	6	5	11	2	14
500-540	2	2	59	15	15	19	9	26	8	18	3	21
450-490	3	3	46	12	12	15	4	11	6	14		
400-440			37	10	5	6	3	9	3	7	2	14
350-390			7	2	2	3	1	3	1	2		
300-340							1	3				
250-290												
200-240												
Total	99		386		80		35		44		14	
Mean	750		582		583		559		576		626	
SD	81		106		105		108		105			
75th percentile	800		660		660		640		650			
50th percentile	790		580		580		510		570			
25th percentile	740		500		500		460		500			

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	4	36	8	38	59	87	14	8	76	10	13	10
700-740	2	18	1	5	3	4	24	13	109	14	18	14
650-690	1	9	4	19	4	6	27	15	114	15	23	18
600-640	1	9	5	24	1	1	26	14	111	14	21	17
550-590	2	18	2	10	1	1	35	19	109	14	13	10
500-540			1	5			28	15	100	13	14	11
450-490	1	9					23	12	83	11	13	10
400-440							8	4	48	6	7	6
350-390							1	1	13	2	4	3
300-340									10	1	1	1
250-290									1	0		
200-240									1	0		
Total	11		21		68		186		775		127	
Mean	675		684		778		600		600		609	
SD					48		99		112		113	
75th percentile			760		800		680		690		690	
50th percentile			650		800		590		600		630	
25th percentile			610		780		530		520		510	

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	613	1	474	480	453
Architecture and Related Services	1,397	2	485	526	474
Area, Ethnic, Cultural and Gender Studies	75	0	549	510	538
Biological and Biomedical Sciences	4,552	5	539	546	525
Business Management, Marketing, and Related Support Services	9,208	10	484	508	473
Communication, Journalism and Related Programs	2,940	3	516	495	511
Computer and Information Sciences and Support Services	2,210	2	508	528	473
Construction Trades	183	0	412	440	384
Education	8,900	10	480	486	474
Engineering	6,386	7	536	587	515
Engineering Technologies/Technicians	1,004	1	461	502	439
English Language and Literature/Letters	1,279	1	580	517	566
Family and Consumer Sciences/Human Sciences	329	0	452	447	440
Foreign Languages, Literatures, and Linguistics	719	1	564	535	553
Health Professions and Related Clinical Services	17,215	19	484	495	478
History	1,372	2	525	496	492
Legal Professions and Studies	2,320	3	505	497	489
Liberal Arts and Sciences, General Studies, and Humanities	818	1	536	504	520
Library Science And Administration	35	0	561	495	523
Mathematics and Statistics	1,087	1	506	581	503
Mechanic and Repair Technologies/Technician	222	0	438	457	406
Military Technologies And Applied Sciences	101	0	466	458	418
Multi/Interdisciplinary Studies	124	0	576	564	566
Natural Resources and Conservation	536	1	516	515	490
Parks, Recreation, Leisure and Fitness Studies	712	1	455	477	439
Personal and Culinary Services	450	1	450	442	423
Philosophy and Religious Studies	222	0	547	521	515
Physical Sciences	1,389	2	549	570	532
Precision Production	6	0	412	450	428
Psychology	4,238	5	501	484	488
Public Administration and Social Services Professions	275	0	474	450	460
Security and Protective Services	2,205	2	452	456	432
Social Sciences	1,332	1	571	541	548
Theology and Religious Vocations	168	0	536	517	520
Transportation and Materials Moving	41	0	471	490	439
Visual and Performing Arts	5,866	7	508	490	494
Other	1,851	2	455	458	439
Undecided	6,515	7	519	529	506
Degree-Level Goal					
Certificate Program	1,066	1	431	438	411
Associate Degree	1,851	2	419	418	401
Bachelor's Degree	35,352	37	477	485	462
Master's Degree	24,127	25	506	516	496
Doctoral or Related Degree	15,345	16	538	545	527
Other	662	1	416	425	405
Undecided	17,179	18	501	506	485

College Plans

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

Of the 106,073 students from your state who took the SAT and/or an SAT Subject Test, 71,723 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 2,407 institutions received score reports from your students.

Institution	State	Type	Number of Students	Percent of Score Senders*
PENNSYLVANIA STATE UNIVERSITY	PA	Public	27,990	39.0
UNIVERSITY OF PITTSBURGH PITTSBURGH	PA	Private	13,527	18.9
TEMPLE UNIVERSITY	PA	Private	11,836	16.5
WEST CHESTER UNIVERSITY OF PENNSYLVANIA	PA	Public	9,883	13.8
DREXEL UNIVERSITY	PA	Private	8,502	11.9
BLOOMSBURG UNIVERSITY OF PENNSYLVANIA	PA	Public	7,418	10.3
INDIANA UNIVERSITY OF PENNSYLVANIA	PA	Public	6,820	9.5
KUTZTOWN UNIVERSITY OF PENNSYLVANIA	PA	Public	5,835	8.1
NCAA ELIGIBILITY CENTER	IN	Public	5,596	7.8
MILLERSVILLE UNIVERSITY OF PENNSYLVANIA	PA	Public	4,869	6.8
SHIPPENSBURG UNIVERSITY OF PENNSYLVANIA	PA	Public	4,642	6.5
UNIVERSITY OF PENNSYLVANIA UNDERGRADUATE	PA	Private	4,048	5.6
SLIPPERY ROCK UNIVERSITY OF PENNSYLVANIA	PA	Public	3,785	5.3
UNIVERSITY OF DELAWARE	DE	Public	3,770	5.3
DUQUESNE UNIVERSITY	PA	Private	3,556	5.0
JOHNS HOPKINS UNIVERSITY CENTER FOR TALE	MD	Private	3,529	4.9
VILLANOVA UNIVERSITY	PA	Private	3,319	4.6
EAST STROUDSBURG UNIVERSITY OF PENNSYLVANIA	PA	Public	3,306	4.6
CALIFORNIA UNIVERSITY OF PENNSYLVANIA	PA	Public	2,938	4.1
LOCK HAVEN UNIVERSITY OF PENNSYLVANIA	PA	Public	2,822	3.9
LEHIGH UNIVERSITY	PA	Private	2,610	3.6
YORK COLLEGE OF PENNSYLVANIA	PA	Private	2,543	3.5
WEST VIRGINIA UNIVERSITY MORGANTOWN	WV	Public	2,531	3.5
CARNEGIE MELLON UNIVERSITY	PA	Private	2,415	3.4
ROBERT MORRIS UNIVERSITY	PA	Private	2,224	3.1
SAINT JOSEPH'S UNIVERSITY	PA	Private	2,203	3.1
CORNELL UNIVERSITY	NY	Private	2,109	2.9
ARCADIA UNIVERSITY	PA	Private	2,099	2.9
UNIVERSITY OF MARYLAND COLLEGE PARK	MD	Public	2,089	2.9
NEW YORK UNIVERSITY	NY	Private	2,010	2.8
EDINBORO UNIVERSITY OF PENNSYLVANIA	PA	Public	1,984	2.8
CLARION UNIVERSITY OF PENNSYLVANIA	PA	Public	1,979	2.8
BUCKNELL UNIVERSITY	PA	Private	1,948	2.7
BOSTON UNIVERSITY	MA	Private	1,869	2.6
UNIVERSITY OF SCRANTON	PA	Private	1,791	2.5
PRINCETON UNIVERSITY	NJ	Private	1,718	2.4
LA SALLE UNIVERSITY	PA	Private	1,701	2.4
SYRACUSE UNIVERSITY	NY	Private	1,686	2.4
WIDENER UNIVERSITY	PA	Private	1,512	2.1
JAMES MADISON UNIVERSITY	VA	Public	1,498	2.1
NORTHEASTERN UNIVERSITY	MA	Private	1,383	1.9
JOHNS HOPKINS UNIVERSITY UNDERGRADUATE A	MD	Private	1,370	1.9
UNIVERSITY OF VIRGINIA	VA	Public	1,351	1.9
OHIO STATE UNIVERSITY COLUMBUS	OH	Public	1,350	1.9
COLUMBIA UNIVERSITY UNDERGRADUATE ADMISS	NY	Private	1,323	1.8

*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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