



2011 College-Bound Seniors

State Profile Report

VIRGINIA

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	61,398	512	110	509	109	495	108	50.2	10.8	7.1	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	28,759	514	111	525	112	486	109	49.7	10.8	6.8	1.7
Female	32,639	509	109	494	105	503	107	50.7	10.8	7.3	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)	45,485	503	108	500	107	486	105	49.3	10.5	7.0	1.6
Junior (2009-2010)	15,787	537	113	534	112	521	113	52.8	11.2	7.3	1.6
Sophomore (2008-2009)	120	560	130	553	134	540	134	55.5	13.2	6.9	1.9
Freshman (2007-2008)	6	493		493		447		48.8		4.8	
Total	61,398	512	110	509	109	495	108	50.2	10.8	7.1	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.

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

SAT Data

Table 5: Percentiles for State and Total Group

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

SAT Percentile	State			Total Group		
	Critical Reading	Mathematics	Writing	Critical Reading	Mathematics	Writing
75th	590	580	570	570	600	560
50th	510	500	490	490	510	480
25th	430	430	420	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	1,614	1,632	3,246	1,948	1,080	3,028	1,063	1,504	2,567
600–690	5,409	5,652	11,061	6,004	4,812	10,816	3,682	4,982	8,664
500–590	8,950	10,193	19,143	8,960	9,488	18,448	8,033	10,096	18,129
400–490	8,653	10,450	19,103	8,382	11,679	20,061	9,984	10,952	20,936
300–390	3,536	4,126	7,662	3,042	4,899	7,941	5,216	4,582	9,798
200–290	597	586	1,183	423	681	1,104	781	523	1,304

Table 7: Type of High School

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Public	53,457	90	46	54	509	507	492
Religiously Affiliated	3,568	6	51	49	540	534	529
Independent	2,127	4	54	46	559	560	555
Other or Unknown	2,246		49	51	488	468	466

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	3,777	6	486	111	475	108	463	107
Nonstandard Conditions	1,074	2	496	119	488	123	483	118

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	348	1	511	104	495	98	488	102
Asian, Asian American, or Pacific Islander	5,269	9	529	117	581	115	529	120
Black or African American	12,620	21	434	94	427	89	419	88
Mexican or Mexican American	588	1	500	107	492	100	479	104
Puerto Rican	508	1	497	103	488	102	479	102
Other Hispanic, Latino, or Latin American	2,547	4	489	103	486	100	474	101
White	35,907	58	539	101	531	98	520	100
Other	2,261	4	516	114	506	110	499	111
No Response	1,350	2	486	114	475	110	466	111
Total	61,398	100	512	110	509	109	495	108

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	168	0	514	110	512	103	481	107
Asian, Asian American, or Pacific Islander	2,692	4	527	117	592	115	518	121
Black or African American	5,625	9	433	94	436	92	407	87
Mexican or Mexican American	260	0	502	111	512	97	472	103
Puerto Rican	228	0	502	109	505	105	474	103
Other Hispanic, Latino, or Latin American	1,169	2	491	105	501	103	469	101
White	16,953	28	542	102	548	100	510	101
Other	945	2	519	115	526	113	494	112
No Response	719	1	480	115	485	115	451	107
Total	28,759	47	514	111	525	112	486	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	180	0	508	99	480	91	494	96
Asian, Asian American, or Pacific Islander	2,577	4	531	117	569	114	541	118
Black or African American	6,995	11	436	94	419	86	429	88
Mexican or Mexican American	328	1	499	105	475	99	485	104
Puerto Rican	280	0	493	97	473	96	484	101
Other Hispanic, Latino, or Latin American	1,378	2	487	101	474	96	479	101
White	18,954	31	536	100	516	95	529	98
Other	1,316	2	514	113	491	106	503	111
No Response	631	1	493	113	463	104	482	112
Total	32,639	53	509	109	494	105	503	107

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	61,398	100	512	110	509	109	495	108
First Language Learned								
English	50,731	84	515	108	506	106	496	106
English and Another	5,702	9	508	113	517	118	501	115
Another Language	3,982	7	485	117	535	124	486	121
No Response	983		493	124	490	125	478	121
Citizenship								
U.S. Citizen / U.S. National	56,965	95	515	109	509	108	498	107
U.S. Permanent Resident or Refugee	1,801	3	474	118	524	125	478	123
Citizen of Another Country	905	2	479	122	570	129	494	123
Other, Unknown, or No Response	1,727		458	114	467	121	444	112
Plans to Apply for Financial Aid								
Yes	39,660	72	504	109	498	107	487	106
No	4,132	8	539	104	540	105	526	104
Don't Know	10,978	20	530	107	533	108	515	107
No Response	6,628		509	118	511	119	493	117
Family Income								
\$0 - \$20,000	3,068	8	436	98	440	101	422	93
\$20,000–\$40,000	4,856	13	463	100	461	100	447	96
\$40,000–\$60,000	4,952	13	490	104	485	100	473	100
\$60,000–\$80,000	5,056	13	502	100	498	98	483	97
\$80,000–\$100,000	4,692	13	517	100	510	99	498	99
\$100,000–\$120,000	4,441	12	533	102	531	100	515	102
\$120,000–\$140,000	2,619	7	537	100	535	100	520	102
\$140,000–\$160,000	2,080	6	548	100	548	102	530	101
\$160,000–\$200,000	2,557	7	550	100	545	101	534	100
More than \$200,000	3,190	9	570	99	572	102	558	101
No Response	23,887		515	114	511	113	500	112
Highest Level of Parental Education								
No High School Diploma	1,571	3	435	96	449	99	424	92
High School Diploma	16,665	29	467	97	464	96	451	92
Associate Degree	4,598	8	482	94	478	93	462	90
Bachelor's Degree	18,935	33	527	101	524	102	511	101
Graduate Degree	16,217	28	567	107	562	108	551	109
No Response	3,412		455	108	458	108	441	103
Took the PSAT/NMSQT®								
Yes, As a Junior	11,155	19	498	106	496	105	482	104
Yes, As a Sophomore or Younger	12,593	22	507	103	504	104	490	101
Yes, As a Junior and As a Sophomore or Younger	25,218	44	543	108	541	106	528	106
No	8,591	15	459	100	452	97	439	94
No Response	3,841		477	114	478	115	460	111

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	7,538	31	43	57	594	596	582
Second Tenth	6,341	26	47	53	523	526	507
Second Fifth	4,456	19	52	48	489	487	470
Final Three Fifths	5,646	24	50	50	443	437	425
No Response	37,417		47	53	506	502	490

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)	3,896	7	39	61	612	613	604
A (93–96)	11,185	19	39	61	576	579	565
A- (90–92)	10,328	18	45	55	540	541	525
B (80–89)	25,276	44	49	51	483	479	465
C (70–79)	6,975	12	56	44	428	419	408
D, E, or F (below 70)	215	0	63	37	434	417	410
No Response	3,523		52	48	486	474	466
Mean Grade Point Average	All Students: 3.33		Male: 3.25		Female: 3.39		

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	3.70	3.84	3.78
English and Language Arts	3.9	3.9	3.9	3.27	3.49	3.39
Foreign and Classical Languages	3.1	3.4	3.3	3.05	3.30	3.19
Mathematics	4.1	4.1	4.1	3.14	3.15	3.14
Natural Sciences	3.8	3.8	3.8	3.27	3.30	3.29
Social Sciences and History	3.9	3.9	3.9	3.38	3.40	3.39
Total for All Subjects	20.8	21.5	21.2			

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	6,749	13	44	56	533	532	521
4 Years	38,155	73	47	53	518	514	501
3 Years	5,796	11	44	56	477	472	462
2 Years	943	2	48	52	481	488	465
1 Year	444	1	44	56	477	476	463
1/2 Year or Less	487	1	51	49	434	443	415
No Response	8,824		52	48	500	499	484
AP®/Honors Courses	24,997	48	40	60	564	553	549
Course Work or Experience							
English/Language Arts	46,867	96	45	55	514	509	498
Journalism	5,518	11	32	68	523	504	513
Creative Writing	9,104	19	39	61	516	498	502
American Literature	29,035	59	44	56	520	513	503
Composition/Writing	24,112	49	44	56	514	506	499
British Literature	12,533	26	43	57	530	518	511
World Literature	15,113	31	45	55	525	516	508
Communications	2,794	6	43	57	494	489	481
Public Speaking	5,630	12	43	57	516	504	501
English As Second Language	2,291	5	47	53	449	501	450

Mathematics Years of Study	Test-Takers		Percent by Gender		SAT Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	15,976	30	47	53	558	571	543
4 Years	27,264	52	46	54	507	498	490
3 Years	7,395	14	45	55	460	442	442
2 Years	1,003	2	46	54	451	444	433
1 Year	372	1	50	50	470	484	459
1/2 Year or Less	553	1	46	54	439	432	419
No Response	8,835		52	48	500	499	484
AP/Honors Courses	19,214	37	47	53	574	588	560
Highest Level of Mathematics Achieved*							
Calculus	12,254	24	50	50	586	609	573
Pre-calculus	12,442	24	44	56	538	537	521
Trigonometry	8,342	16	44	56	497	487	478
Algebra II	15,579	30	45	55	464	446	447
Algebra I	2,718	5	46	54	412	383	394

*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	8,784	17	46	54	551	559	537	
4 Years	30,706	59	46	54	521	517	505	
3 Years	9,150	18	46	54	470	461	453	
2 Years	1,729	3	50	50	477	474	460	
1 Year	758	1	48	52	479	481	464	
1/2 Year or Less	805	2	44	56	439	439	425	
No Response	9,466		52	48	499	498	483	
AP/Honors Courses	19,350	37	44	56	572	573	556	
Course Work or Experience								
Biology	49,347	98	45	55	514	510	497	
Chemistry	44,359	88	45	55	525	523	509	
Physics	23,823	47	50	50	545	553	530	
Geology, Earth, or Space Science	34,069	68	45	55	498	491	480	
Other Sciences	15,510	31	40	60	497	490	481	

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	7,623	15	46	54	547	545	532	
4 Years	34,309	66	46	54	519	514	502	
3 Years	7,692	15	46	54	478	474	463	
2 Years	1,530	3	47	53	475	479	459	
1 Year	571	1	45	55	467	471	458	
1/2 Year or Less	577	1	46	54	435	439	419	
No Response	9,096		52	48	498	498	483	
AP/Honors Courses	25,137	48	44	56	566	558	548	
Course Work or Experience								
U.S. History	47,306	95	45	55	513	510	497	
World History or Cultures	43,822	88	45	55	516	513	500	
U.S. Government or Civics	34,189	68	45	55	509	505	493	
Economics	4,205	8	52	48	523	522	507	
Geography	16,135	32	44	56	498	493	482	
Psychology	12,494	25	37	63	536	525	521	
European History	10,971	22	47	53	548	539	530	
Sociology	4,757	10	36	64	512	496	494	
Ancient History	10,590	21	48	52	530	523	511	
Other Courses	5,025	10	42	58	523	517	507	

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	7,529	14	38	62	580	576	570
4 Years	14,425	28	43	57	545	541	531
3 Years	21,367	41	47	53	501	498	482
2 Years	4,599	9	53	47	458	452	440
1 Year	1,668	3	55	45	433	428	413
1/2 Year or Less	2,539	5	55	45	411	412	392
No Response	9,271		53	47	498	498	482
AP/Honors Courses	9,045	17	37	63	593	587	584
Course Work or Experience							
Chinese	531	1	48	52	563	600	551
French	8,861	18	36	64	531	517	514
German	3,036	6	57	43	538	530	512
Greek	124	0	48	52	569	546	548
Hebrew	69	0	51	49	533	516	505
Italian	216	0	33	67	548	529	533
Japanese	845	2	47	53	545	542	516
Korean	149	0	38	62	487	587	496
Latin	6,289	12	47	53	549	537	527
Russian	265	1	50	50	558	558	547
Spanish	35,651	71	46	54	508	506	493
Other Languages	1,354	3	37	63	485	488	473

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	5,066	10	39	61	538	529	524	
4 Years	9,431	19	38	62	540	528	525	
3 Years	6,503	13	40	60	514	504	497	
2 Years	9,155	18	45	55	511	509	495	
1 Year	8,774	17	49	51	514	516	497	
1/2 Year or Less	11,308	23	55	45	485	489	467	
No Response	11,161		53	47	500	501	484	
AP/Honors Courses	4,031	8	36	64	577	562	563	
Course Work or Experience								
Acting or Play Production	7,452	15	33	67	553	524	536	
Art History or Appreciation	6,757	14	38	62	516	501	499	
Dance	4,186	9	10	90	507	494	501	
Drama: Study or Appreciation	7,170	15	32	68	529	506	514	
Music: Study or Appreciation	5,092	11	48	52	544	527	527	
Music Performance	18,942	39	42	58	536	528	521	
Photography or Film	10,029	21	32	68	518	505	504	
Studio Art and Design	8,848	18	35	65	531	519	515	
None	11,870	25	59	41	486	494	467	

Computers	Test-Takers		Percent by Gender		SAT Mean Scores		
Course Work or Experience	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Computer Literacy	25,484	54	47	53	517	512	499
Computer Programming	8,548	18	61	39	515	525	496
Word Processing	26,216	56	45	55	515	509	498
Internet Activity	18,721	40	46	54	520	514	503
Using Computer Graphics	15,181	32	53	47	515	515	497
Creating Spreadsheets/Databases	13,848	29	48	52	520	518	503
None	9,810	21	39	61	515	510	502

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
9,191	23,140	9,073	632	640	626

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	679	7
2	4,276	47
3	3,315	36
4 or More	921	10

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		Mean	SD	Mean	SD	Mean	SD	
English											
Literature	3,243	625	89	3,205	649	83	613	81	637	84	
History and Social Studies											
U.S. History	5,016	654	90	4,949	644	84	634	84	633	85	
World History	734	653	96	723	653	82	642	81	645	83	
Mathematics											
Mathematics Level 1	3,180	618	83	3,133	607	89	625	79	607	88	
Mathematics Level 2	4,343	679	85	4,308	645	91	684	70	643	87	
Science											
Biology-E	779	626	90	765	631	90	625	87	624	89	
Biology-M	1,000	658	86	992	641	89	653	81	641	85	
Chemistry	1,851	657	92	1,836	642	93	684	78	641	89	
Physics	1,006	659	85	998	653	88	702	66	642	85	
Foreign and Classical Languages											
Chinese/Listening	90	752	77	88	600	118	686	82	606	121	
French	320	615	111	315	662	91	640	85	659	83	
French/Listening	87	618	101	87	653	92	636	81	658	73	
German	23	627		23	656		666		665		
German/Listening	36	578	121	35	643	64	648	69	648	71	
Modern Hebrew	1			1							
Italian	7	743		7	679		667		689		
Japanese/Listening	51	635	107	50	638	99	639	95	630	108	
Korean/Listening	127	786	30	124	556	102	684	72	605	99	
Latin	176	600	104	171	677	80	653	81	664	84	
Spanish	927	608	113	918	637	88	631	80	641	87	
Spanish/Listening	143	612	109	142	635	87	619	85	632	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	266	8	793	16	146	20
700-740	534	16	1,126	22	132	18
650-690	636	20	969	19	126	17
600-640	663	20	849	17	128	17
550-590	541	17	627	13	101	14
500-540	332	10	387	8	58	8
450-490	163	5	169	3	31	4
400-440	77	2	69	1	7	1
350-390	24	1	24	0	4	1
300-340	7	0	3	0	1	0
250-290						
200-240						
Total	3,243		5,016		734	
Mean	625		654		653	
SD	89		90		96	
75th percentile	690		720		730	
50th percentile	630		670		660	
25th percentile	570		590		580	

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	127	4	1,233	28	59	8	162	16	382	21	176	17
700-740	450	14	648	15	134	17	215	22	312	17	187	19
650-690	752	24	842	19	150	19	216	22	366	20	224	22
600-640	694	22	844	19	172	22	185	19	302	16	188	19
550-590	572	18	532	12	126	16	116	12	258	14	127	13
500-540	324	10	194	4	80	10	68	7	143	8	69	7
450-490	169	5	41	1	27	3	20	2	58	3	27	3
400-440	65	2	7	0	20	3	11	1	27	1	7	1
350-390	22	1	1	0	7	1	5	1	3	0	1	0
300-340	4	0	1	0	4	1	2	0				
250-290	1	0										
200-240												
Total	3,180		4,343		779		1,000		1,851		1,006	
Mean	618		679		626		658		657		659	
SD	83		85		90		86		92		85	
75th percentile	680		750		690		720		730		720	
50th percentile	630		680		630		660		660		660	
25th percentile	560		610		570		610		590		600	

SAT Subject Tests Score Distributions

Table 24: Foreign and Classical Languages

SAT Subject Tests	Foreign and Classical Languages											
	Chinese/Listening		French		French/Listening		German		German/Listening		Modern Hebrew	
	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct
750-800	69	77	47	15	11	13	5	22	4	11		
700-740	5	6	47	15	9	10	4	17	4	11		
650-690	5	6	42	13	16	18	2	9	3	8		
600-640	4	4	39	12	14	16	3	13	4	11		
550-590	4	4	49	15	12	14	1	4	5	14		
500-540	3	3	50	16	18	21	3	13	7	19		
450-490			25	8	3	3	1	4	4	11	1	100
400-440			15	5	3	3	4	17	2	6		
350-390			6	2	1	1			1	3		
300-340									2	6		
250-290												
200-240												
Total	90		320		87		23		36		1	
Mean	752		615		618		627		578			
SD	77		111		101				121			
75th percentile	800		710		690		730		650			
50th percentile	790		620		620		640		570			
25th percentile	750		530		540		490		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	4	57	9	18	113	89	20	11	144	16	24	17
700-740	2	29	4	8	9	7	24	14	109	12	11	8
650-690			14	27	5	4	13	7	100	11	22	15
600-640	1	14	5	10			25	14	148	16	22	15
550-590			12	24			33	19	143	15	24	17
500-540			3	6			32	18	110	12	18	13
450-490			2	4			22	13	101	11	14	10
400-440							7	4	43	5	5	3
350-390									25	3	2	1
300-340			2	4					3	0	1	1
250-290									1	0		
200-240												
Total	7		51		127		176		927		143	
Mean	743		635		786		600		608		612	
SD			107		30		104		113		109	
75th percentile			690		800		690		700		680	
50th percentile			650		800		580		610		600	
25th percentile			580		790		520		520		530	

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	428	1	484	483	465
Architecture and Related Services	972	2	506	528	487
Area, Ethnic, Cultural and Gender Studies	66	0	575	529	549
Biological and Biomedical Sciences	3,240	6	546	544	531
Business Management, Marketing, and Related Support Services	5,311	10	491	503	478
Communication, Journalism and Related Programs	1,501	3	528	498	517
Computer and Information Sciences and Support Services	1,580	3	514	525	483
Construction Trades	35	0	423	423	399
Education	2,789	5	495	485	488
Engineering	4,688	9	541	578	515
Engineering Technologies/Technicians	946	2	478	504	456
English Language and Literature/Letters	778	1	592	520	571
Family and Consumer Sciences/Human Sciences	164	0	448	447	449
Foreign Languages, Literatures, and Linguistics	494	1	589	552	579
Health Professions and Related Clinical Services	9,204	17	497	496	488
History	989	2	546	501	509
Legal Professions and Studies	1,651	3	522	507	505
Liberal Arts and Sciences, General Studies, and Humanities	671	1	560	523	537
Library Science And Administration	19	0	543	466	522
Mathematics and Statistics	549	1	522	586	514
Mechanic and Repair Technologies/Technician	100	0	441	447	418
Military Technologies And Applied Sciences	101	0	472	460	438
Multi/Interdisciplinary Studies	116	0	579	567	571
Natural Resources and Conservation	326	1	529	512	503
Parks, Recreation, Leisure and Fitness Studies	633	1	438	453	423
Personal and Culinary Services	279	1	467	450	448
Philosophy and Religious Studies	178	0	547	507	509
Physical Sciences	818	2	561	569	536
Precision Production	2	0			
Psychology	2,539	5	515	489	500
Public Administration and Social Services Professions	204	0	478	446	468
Security and Protective Services	1,381	3	460	456	444
Social Sciences	986	2	580	546	561
Theology and Religious Vocations	120	0	554	523	520
Transportation and Materials Moving	22	0	463	484	441
Visual and Performing Arts	4,414	8	521	494	504
Other	1,211	2	468	464	451
Undecided	4,292	8	541	543	524
Degree-Level Goal					
Certificate Program	440	1	460	458	437
Associate Degree	607	1	428	410	407
Bachelor's Degree	18,457	33	487	484	470
Master's Degree	16,757	30	523	521	507
Doctoral or Related Degree	10,722	19	544	543	531
Other	319	1	446	450	436
Undecided	8,688	16	522	515	504

College Plans

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

Of the 61,516 students from your state who took the SAT and/or an SAT Subject Test, 44,964 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 2,167 institutions received score reports from your students.

Institution	State	Type	Number of Students	Percent of Score Senders*
JAMES MADISON UNIVERSITY	VA	Public	15,403	34.3
VIRGINIA POLYTECH INSTITUTE STATE UNIVER	VA	Public	11,684	26.0
VIRGINIA COMMONWEALTH UNIVERSITY	VA	Public	11,589	25.8
GEORGE MASON UNIVERSITY	VA	Public	10,946	24.3
UNIVERSITY OF VIRGINIA	VA	Public	10,823	24.1
OLD DOMINION UNIVERSITY	VA	Public	9,278	20.6
CHRISTOPHER NEWPORT UNIVERSITY	VA	Public	6,470	14.4
COLLEGE OF WILLIAM AND MARY	VA	Public	6,322	14.1
RADFORD UNIVERSITY	VA	Public	6,238	13.9
UNIVERSITY OF MARY WASHINGTON	VA	Public	4,196	9.3
LONGWOOD UNIVERSITY	VA	Public	4,019	8.9
NCAA ELIGIBILITY CENTER	IN	Public	3,091	6.9
UNIVERSITY OF RICHMOND	VA	Private	2,000	4.4
NORFOLK STATE UNIVERSITY	VA	Public	1,974	4.4
VIRGINIA STATE UNIVERSITY	VA	Public	1,955	4.3
LIBERTY UNIVERSITY	VA	Private	1,892	4.2
BRIDGEWATER COLLEGE	VA	Private	1,875	4.2
PENNSYLVANIA STATE UNIVERSITY	PA	Public	1,703	3.8
UNIVERSITY OF NORTH CAROLINA CHAPEL HILL	NC	Public	1,665	3.7
WEST VIRGINIA UNIVERSITY MORGANTOWN	WV	Public	1,660	3.7
EAST CAROLINA UNIVERSITY	NC	Public	1,655	3.7
VIRGINIA TECH CENTER FOR TEACHER EDUCATI	VA	Public	1,589	3.5
LYNCHBURG COLLEGE	VA	Private	1,547	3.4
DUKE UNIVERSITY	NC	Private	1,427	3.2
RANDOLPH-MACON COLLEGE	VA	Private	1,385	3.1
UNIVERSITY OF SOUTH CAROLINA COLUMBIA	SC	Public	1,383	3.1
HAMPTON UNIVERSITY	VA	Private	1,324	2.9
FERRUM COLLEGE	VA	Private	1,216	2.7
GEORGETOWN UNIVERSITY	DC	Private	1,182	2.6
PRINCETON UNIVERSITY	NJ	Private	1,173	2.6
ROANOKE COLLEGE	VA	Private	1,150	2.6
UNIVERSITY OF MARYLAND COLLEGE PARK	MD	Public	1,138	2.5
CORNELL UNIVERSITY	NY	Private	1,113	2.5
CLEMSON UNIVERSITY	SC	Public	1,106	2.5
VIRGINIA WESLEYAN COLLEGE	VA	Private	1,098	2.4
JOHNS HOPKINS UNIVERSITY CENTER FOR TALE	MD	Private	1,076	2.4
UNIVERSITY OF PENNSYLVANIA UNDERGRADUATE	PA	Private	1,072	2.4
NORTH CAROLINA STATE UNIVERSITY RALEIGH	NC	Public	1,043	2.3
NEW YORK UNIVERSITY	NY	Private	1,002	2.2
HARVARD UNDERGRADUATE ADMISSIONS	MA	Private	981	2.2
VIRGINIA MILITARY INSTITUTE	VA	Public	949	2.1
SHENANDOAH UNIVERSITY	VA	Private	948	2.1
JOHNS HOPKINS UNIVERSITY UNDERGRADUATE A	MD	Private	890	2.0
UVA- WISE	VA	Public	883	2.0
VIRGINIA UNION UNIVERSITY	VA	Private	877	2.0

*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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