



2008 College-Bound Seniors

# State Profile Report

VIRGINIA

## Included in this Report

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**SAT Reasoning Test™ Data**

**SAT Subject Tests™ Data**

**Demographic and Academic Information**

**College Plans**

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## The SAT® Program

The SAT Reasoning Test™ (formerly known as the SAT® I: Reasoning Test) assesses student reasoning based on knowledge and skills developed by the students in their course work. The SAT Subject Tests™ (formerly known as SAT II: Subject Tests) are a series of one-hour, mostly multiple-choice tests that measure how much students know about a particular academic subject and how well they can apply that knowledge. Most students also complete the optional SAT Questionnaire (formerly known as the Student Descriptive Questionnaire) when they register to take SAT Program tests, providing valuable contextual information to aid in interpreting and understanding individual and group scores. *College-Bound Seniors 2008* includes students who tested through March 2008.

## Using This Report

*College-Bound Seniors* presents data for high school graduates in the year 2008 who participated in the SAT Program. Students are counted only once, no matter how often they tested, and only their latest scores and most recent SAT Questionnaire responses are summarized. Because the accuracy of self-reported information has been documented and the college-bound population is relatively stable from year to year, SAT Questionnaire responses from these students can be considered highly accurate. Therefore, you can use this report to:

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

Keep in mind, however, that:

- relationships between test scores and other factors such as educational background, gender, racial/ethnic background, parental education, and household income are complex and interdependent. These factors do not directly affect test performance; rather, they are associated with educational experiences both on tests such as the SAT Reasoning Test and in schoolwork.
- not all students in a high school, school district, or state take the SAT Reasoning Test. Since the population of test-takers is self-selected, using aggregate SAT Reasoning Test scores to compare or evaluate teachers, schools, districts, states, or other educational units is not valid, and the College Board strongly discourages such uses.
- interpreting SAT Reasoning Test scores for subgroups requires unique considerations. The most significant factor to consider in interpreting SAT Reasoning Test scores for any group, or subgroup, of test-takers is the proportion of students taking the test. For example, if state data are being considered, it is appropriate to recognize that in some states there are lower participation rates. Typically, test-takers in these states have strong academic backgrounds and apply to the nation's most selective colleges and scholarship programs. For these states, it is expected that the SAT Reasoning Test mean scores reported for students will be higher than the national average.

## Statistical Definitions

The following terms are used throughout this report. For more statistical information, visit the College Board Web site at [www.collegeboard.com](http://www.collegeboard.com).

### Mean

The *mean* is the arithmetic average.

### Percentile

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

### Scaled score

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

### Standard deviation (SD)

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

## The College Board: Connecting Students to College Success

The College Board is a not-for-profit membership association whose mission is to connect students to college success and opportunity. Founded in 1900, the association is composed of more than 5,400 schools, colleges, universities, and other educational organizations. Each year, the College Board serves seven million students and their parents, 23,000 high schools, and 3,500 colleges through major programs and services in college admissions, guidance, assessment, financial aid, enrollment, and teaching and learning. Among its best-known programs are the SAT®, the PSAT/NMSQT®, and the Advanced Placement Program® (AP®). The College Board is committed to the principles of excellence and equity, and that commitment is embodied in all of its programs, services, activities, and concerns.

### A note about changes to the SAT Questionnaire:

In the 2006-2007 academic year, changes to the SAT Questionnaire were made. Sections of this report most notably affected by this change are Course-Taking Patterns and Intended College Major. In this year's report, the questionnaire responses of some students were not reported as their responses did not map to the current reporting tables. For complete details on the changes please visit [www.collegeboard.com/cbs](http://www.collegeboard.com/cbs).

# Total Group Mean SAT Reasoning Test Scores

## College-Bound Seniors, 1972–2008

<b>Year</b>	<b>Critical Reading</b>			<b>Mathematics</b>			<b>Writing</b>		
	<b>Male</b>	<b>Female</b>	<b>Total</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>
1972	531	529	530	527	489	509	-	-	-
1973	523	521	523	525	489	506	-	-	-
1974	524	520	521	524	488	505	-	-	-
1975	515	509	512	518	479	498	-	-	-
1976	511	508	509	520	475	497	-	-	-
1977	509	505	507	520	474	496	-	-	-
1978	511	503	507	517	474	494	-	-	-
1979	509	501	505	516	473	493	-	-	-
1980	506	498	502	515	473	492	-	-	-
1981	508	496	502	516	473	492	-	-	-
1982	509	499	504	516	473	493	-	-	-
1983	508	498	503	516	474	494	-	-	-
1984	511	498	504	518	478	497	-	-	-
1985	514	503	509	522	480	500	-	-	-
1986	515	504	509	523	479	500	-	-	-
1987	512	502	507	523	481	501	-	-	-
1988	512	499	505	521	483	501	-	-	-
1989	510	498	504	523	482	502	-	-	-
1990	505	496	500	521	483	501	-	-	-
1991	503	495	499	520	482	500	-	-	-
1992	504	496	500	521	484	501	-	-	-
1993	504	497	500	524	484	503	-	-	-
1994	501	497	499	523	487	504	-	-	-
1995	505	502	504	525	490	506	-	-	-
1996	507	503	505	527	492	508	-	-	-
1997	507	503	505	530	494	511	-	-	-
1998	509	502	505	531	496	512	-	-	-
1999	509	502	505	531	495	511	-	-	-
2000	507	504	505	533	498	514	-	-	-
2001	509	502	506	533	498	514	-	-	-
2002	507	502	504	534	500	516	-	-	-
2003	512	503	507	537	503	519	-	-	-
2004	512	504	508	537	501	518	-	-	-
2005	513	505	508	538	504	520	-	-	-
2006	505	502	503	536	502	518	491	502	497
2007	504	502	502	533	499	515	489	500	494
2008	504	500	502	533	500	515	488	501	494

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 2000–2008, all scores are reported on the recentered scale.

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## SAT Reasoning Test™ Data

Data in this report are for high school graduates in the year 2008. Information is summarized for seniors who took the SAT Reasoning Test™ at any time during their high school years through March 2008. If a student took the test more than once, the most recent score is used.

Table 1: Overall Mean Scores

SAT Reasoning Test	Test-Takers	Critical Reading		Mathematics		Writing *		Writing Sub-Scores			
		Number	Mean	SD	Mean	SD	Mean	SD	Multiple Choice	SD	Essay
Total	59,573	511	109	512	110	499	107	50.5	10.7	6.9	1.7

Table 2: Mean Scores by Gender

SAT Reasoning Test	Test-Takers	Critical Reading		Mathematics		Writing		Writing Sub-Scores			
		Number	Mean	SD	Mean	SD	Mean	SD	Multiple Choice	SD	Essay
Male	27,698	512	110	529	113	491	108	49.9	10.7	6.7	1.8
Female	31,843	511	107	498	105	507	106	51.0	10.6	7.1	1.6
No Response**	32	408	86	411	83	406	74	41.1	8.4	6.0	1.5

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

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

SAT Reasoning Test	Test-Takers	Critical Reading		Mathematics		Writing		Writing Sub-Scores			
		Number	Mean	SD	Mean	SD	Mean	SD	Multiple Choice	SD	Essay
Senior (2007-2008)	43,998	502	105	503	108	491	104	49.6	10.4	6.8	1.7
Junior (2006-2007)	15,427	537	114	540	112	524	111	52.9	11.1	7.1	1.7
Sophomore (2005-2006)	108	525	121	516	120	503	107	51.4	11.0	6.9	1.7
Freshman (2004-2005)	40	554	109	572	128	523	125	52.7	12.7	7.2	1.8
Total	59,573	511	109	512	110	499	107	50.5	10.7	6.9	1.7

Table 4: Mean Scores for Total Group

Mean scores for the total group may serve as points of reference when evaluating mean scores for the state.

SAT Reasoning Test	Test-Takers	Critical Reading		Mathematics		Writing		Writing Sub-Scores			
		Number	Mean	SD	Mean	SD	Mean	SD	Multiple Choice	SD	Essay
Total Group	1,518,859	502	112	515	116	494	110	49.5	11.1	7.1	1.7

\*Writing data are based on students who took the current version of the SAT Reasoning Test, first administered in March 2005. Of the 59,573 students in this report, 59,546 students have scores on the SAT writing section. The Writing test contains one essay (30% of the total score) and 49 multiple-choice questions (70% of the total score). Essay scores range from 2-12, with a very small percentage of students (less than .3%) receiving scores of 0 on the essay, for essays written completely off topic. Multiple-choice scores range from 20-80.

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

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

## SAT Reasoning Test Data

**Table 5: Percentiles for State and Total Group**

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

SAT Reasoning Test Percentile	State			Total Group		
	Critical Reading	Mathematics	Writing	Critical Reading	Mathematics	Writing
75th	580	590	570	580	590	570
50th	510	510	490	500	510	490
25th	440	430	420	420	430	420

**Table 6: Score Distributions**

SAT Reasoning Test Score Range	Critical Reading			Mathematics			Writing		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
750–800	490	532	1,022	802	382	1,184	313	488	801
700–740	930	1,027	1,957	1,158	707	1,865	622	954	1,576
650–690	1,912	1,974	3,887	2,688	1,839	4,527	1,463	1,994	3,457
600–640	3,211	3,574	6,785	3,366	2,780	6,146	2,330	3,161	5,491
550–590	3,977	4,470	8,449	4,475	4,631	9,108	3,603	4,584	8,188
500–540	4,818	5,715	10,533	4,613	5,580	10,197	4,595	5,461	10,059
450–490	4,381	5,487	9,874	4,085	5,819	9,907	4,990	5,702	10,698
400–440	3,980	4,642	8,626	3,197	4,933	8,143	4,398	4,812	9,216
350–390	2,372	2,716	5,100	1,942	3,092	5,038	3,138	2,981	6,127
300–340	1,041	1,116	2,162	908	1,425	2,337	1,537	1,291	2,834
250–290	401	408	811	311	441	752	493	300	794
200–240	185	182	367	153	214	369	200	104	305

**Table 7: Type of High School**

SAT Reasoning Test	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Public	50,465	90	46	54	508	510	496
Religiously Affiliated	3,594	6	52	48	544	537	536
Independent	2,020	4	54	46	561	566	558
Other or Unknown	3,494						

**Table 8: Test-Taking Conditions**

SAT Reasoning Test	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
Standard Conditions	58,561	98	511	109	512	110	499	107
Nonstandard Conditions	1,012	2	503	118	504	121	492	112

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

## Demographic Information

### SAT Reasoning Test: Mean Scores by Gender Within Ethnicity

Table 9: Total Mean Scores by Ethnicity

SAT Reasoning Test Test-Takers Who Described Themselves As:	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
American Indian or Alaska Native	330	1	505	102	494	98	486	101
Asian, Asian American, or Pacific Islander	4,660	8	522	116	572	118	521	116
Black or African American	10,828	18	433	93	427	92	425	89
Mexican or Mexican American	440	1	508	101	506	101	491	95
Puerto Rican	446	1	494	99	485	100	479	93
Other Hispanic, Latino, or Latin American	2,028	3	482	103	483	103	472	100
White	36,344	61	535	100	533	99	521	100
Other	1,965	3	511	110	510	110	500	109
No Response	2,532	4	511	123	499	120	492	121
Total	59,573	100	511	109	512	110	499	107

Table 10: Male Mean Scores by Ethnicity

SAT Reasoning Test Test-Takers Who Described Themselves As:	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
American Indian or Alaska Native	150	0	519	104	520	99	486	102
Asian, Asian American, or Pacific Islander	2,359	4	522	117	590	116	514	116
Black or African American	4,659	8	428	94	434	95	410	87
Mexican or Mexican American	195	0	512	100	526	101	482	94
Puerto Rican	182	0	488	98	505	97	461	86
Other Hispanic, Latino, or Latin American	903	2	485	103	503	107	465	99
White	17,064	29	536	101	551	100	512	100
Other	881	1	513	115	527	115	493	112
No Response	1,305	2	509	123	510	123	482	119
Total	27,698	46	512	110	529	113	491	108

Table 11: Female Mean Scores by Ethnicity

SAT Reasoning Test Test-Takers Who Described Themselves As:	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
American Indian or Alaska Native	180	0	493	99	473	92	486	101
Asian, Asian American, or Pacific Islander	2,301	4	523	116	553	116	527	114
Black or African American	6,154	10	438	92	423	89	436	89
Mexican or Mexican American	245	0	506	101	490	98	499	96
Puerto Rican	264	0	498	99	472	99	492	95
Other Hispanic, Latino, or Latin American	1,125	2	480	103	467	97	478	100
White	19,269	32	534	99	518	96	530	99
Other	1,084	2	509	107	497	105	506	106
No Response	1,221	2	513	122	489	116	504	121
Total	31,843	53	511	107	498	105	507	106

## Demographic Information

### SAT Reasoning Test: Student Background Information and Characteristics

**Table 12: Student Background Information and Characteristics**

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

SAT Reasoning Test	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
All Test-Takers	59,573	100	511	109	512	110	499	107
<b>First Language Learned</b>								
English	47,095	85	513	106	509	106	499	105
English and Another	5,508	10	494	108	506	112	488	106
Another Language	2,979	5	477	112	528	124	481	112
No Response	3,991							
<b>Citizenship</b>								
U.S. Citizen / U.S. National	52,597	96	512	106	510	107	499	105
U.S. Permanent Resident or Refugee	1,516	3	464	111	514	123	471	112
Citizen of Another Country	662	1	467	116	557	128	481	114
Other, Unknown, or No Response	4,798							
<b>Disabling Condition</b>								
Yes	4,194	7	492	109	486	106	473	104
Unknown or No Response	55,379							
<b>Plans to Apply for Financial Aid</b>								
Yes	34,722	67	502	107	499	107	489	104
No	4,687	9	533	100	539	104	526	100
Don't Know	12,528	24	524	105	530	105	512	105
<b>Family Income</b>								
\$0 - \$20,000	2,660	7	434	99	439	102	427	94
\$20,000–\$40,000	5,043	13	460	99	460	99	449	94
\$40,000–\$60,000	5,832	15	488	100	486	101	473	97
\$60,000–\$80,000	6,181	16	500	99	498	97	484	97
\$80,000–\$100,000	5,680	14	517	99	516	99	502	97
\$100,000–\$120,000	4,781	12	526	98	526	100	512	98
\$120,000–\$140,000	2,571	6	535	99	534	100	522	99
\$140,000–\$160,000	1,906	5	547	100	546	101	533	99
\$160,000–\$200,000	2,274	6	547	100	548	103	536	101
More than \$200,000	2,744	7	562	98	569	100	555	100
No Response	19,901							
<b>Highest Level of Parental Education</b>								
No High School Diploma	1,277	2	432	92	444	102	424	88
High School Diploma	15,729	30	465	96	466	97	453	91
Associate Degree	4,201	8	483	94	481	94	467	91
Bachelor's Degree	16,222	31	522	100	523	101	510	99
Graduate Degree	15,128	29	559	104	558	106	548	104
<b>Took the PSAT/NMSQT®</b>								
Yes, As a Junior	12,139	24	494	101	493	101	480	97
Yes, As a Sophomore or Younger	10,058	20	498	102	499	102	486	99
Yes, As a Junior and As a Sophomore or Younger	21,185	43	543	103	546	103	534	102
No	6,388	13	458	99	451	99	440	93

## Academic Information

### Academic Record

Table 13: High School Rank

SAT Reasoning Test	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Highest Tenth	7,311	29	42	58	587	592	579
Second Tenth	6,334	26	46	54	520	528	510
Second Fifth	5,103	21	49	51	487	489	473
Final Three Fifths	6,048	24	51	49	442	438	428
No Response	34,777						

Table 14: High School Grade Point Average

SAT Reasoning Test	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
A+ (97–100)	3,031	6	37	63	613	614	606
A (93–96)	9,083	17	39	61	572	580	566
A- (90–92)	8,990	17	42	58	541	548	531
B (80–89)	24,925	46	48	52	489	488	475
C (70–79)	7,804	14	55	44	431	423	414
D, E, or F (below 70)	213	0	68	32	415	406	398
No Response	5,527						
<b>Mean Grade Point Average</b>	<b>All Students: 3.26</b>		<b>Male: 3.17</b>		<b>Female: 3.33</b>		

Table 15: Average Years of Study in Six Academic Subjects

SAT Reasoning Test	Average Years of Study			Grade Point Average: Each Subject		
	Male	Female	Total	Male	Female	Total
Arts and Music	1.9	2.3	2.1	3.69	3.83	3.77
English and Language Arts	3.9	3.9	3.9	3.17	3.40	3.29
Foreign and Classical Languages	3.1	3.3	3.2	2.99	3.24	3.12
Mathematics	4.0	4.0	4.0	3.08	3.09	3.08
Natural Sciences	3.8	3.8	3.8	3.22	3.26	3.24
Social Sciences and History	3.9	3.9	3.9	3.32	3.35	3.34
<b>Total for All Subjects</b>	<b>20.6</b>	<b>21.2</b>	<b>20.9</b>			

## Academic Information

### Course-Taking Patterns

Table 16: English, Mathematics

<b>English and Language Arts</b>	<b>Test-Takers</b>		<b>Percent by Gender</b>		<b>SAT Reasoning Test Mean Scores</b>		
	<b>Years of Study</b>	Number	Pct	Male	Female	Critical Reading	Mathematics
More Than 4 Years	2,382	5	45	55	531	528	518
4 Years	41,103	84	46	54	515	515	502
3 Years	4,913	10	44	56	477	478	467
2 Years	408	1	45	55	460	474	456
1 Year	105	0	44	56	446	453	449
1/2 Year or Less	78	0	47	53	421	455	421
No Response	10,584						
<b>Course Work or Experience</b>							
English/Language Arts	43,458	94	45	55	513	512	501
Journalism	5,921	13	34	66	520	506	513
Creative Writing	9,277	20	41	59	510	498	500
American Literature	22,909	50	44	56	525	521	513
Composition/Writing	14,166	31	43	57	516	510	505
British Literature	11,737	25	43	56	532	525	518
World Literature	13,018	28	44	56	530	525	517
Communications	2,255	5	43	57	493	486	483
Public Speaking	5,192	11	41	59	519	509	509
English As Second Language	1,625	4	44	56	442	499	451
AP®/Honors Courses	21,567	44	39	61	564	557	554

<b>Mathematics</b>	<b>Test-Takers</b>		<b>Percent by Gender</b>		<b>SAT Reasoning Test Mean Scores</b>		
	<b>Years of Study</b>	Number	Pct	Male	Female	Critical Reading	Mathematics
More Than 4 Years	9,729	20	49	51	555	581	544
4 Years	30,805	63	45	55	511	508	499
3 Years	7,744	16	43	57	463	447	449
2 Years	621	1	45	55	432	414	419
1 Year	84	0	45	55	431	434	423
1/2 Year or Less	85	0	47	53	416	432	418
No Response	10,505						
<b>Highest Level of Mathematics Achieved*</b>							
Calculus	12,588	26	49	51	580	607	572
Pre-calculus	9,626	20	44	56	531	535	520
Trigonometry	9,473	19	42	58	502	497	489
Algebra II	14,726	30	45	55	463	446	449
Algebra I	2,282	5	48	52	404	375	388
AP/Honors Courses	15,818	32	46	54	572	592	564

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

## Academic Information

### Course-Taking Patterns

Table 17: Natural Sciences, Social Sciences and History

<b>Natural Sciences</b>	<b>Test-Takers</b>		<b>Percent by Gender</b>		<b>SAT Reasoning Test Mean Scores</b>		
	<b>Years of Study</b>	Number	Pct	Male	Female	Critical Reading	Mathematics
More Than 4 Years	4,775	10	46	54	553	569	541
4 Years	33,221	68	45	55	520	521	508
3 Years	9,112	19	46	54	467	460	454
2 Years	1,140	2	49	50	464	457	451
1 Year	269	1	49	51	446	450	438
1/2 Year or Less	184	0	46	54	421	431	418
No Response	10,872						
<b>Course Work or Experience</b>							
Biology	47,265	99	45	55	512	512	500
Chemistry	42,728	89	45	55	522	524	510
Physics	24,776	52	49	51	542	553	531
Geology, Earth, or Space Science	33,345	70	45	55	497	493	483
Other Sciences	18,948	40	41	59	501	497	489
AP/Honors Courses	16,367	34	44	56	569	576	559

<b>Social Sciences and History</b>	<b>Test-Takers</b>		<b>Percent by Gender</b>		<b>SAT Reasoning Test Mean Scores</b>		
	<b>Years of Study</b>	Number	Pct	Male	Female	Critical Reading	Mathematics
More Than 4 Years	3,651	7	46	54	553	551	537
4 Years	36,796	75	46	54	516	516	504
3 Years	7,215	15	45	55	477	477	466
2 Years	875	2	47	53	447	453	439
1 Year	163	0	47	53	441	462	439
1/2 Year or Less	117	0	45	55	423	444	420
No Response	10,756						
<b>Course Work or Experience</b>							
U.S. History	45,243	95	45	55	512	512	500
World History or Cultures	41,223	86	45	55	516	516	503
U.S. Government or Civics	38,690	81	45	55	513	512	500
Economics	3,402	7	51	49	527	526	515
Geography	15,526	32	44	56	494	493	482
Psychology	11,297	24	33	67	534	525	523
European History	9,689	20	47	53	548	540	534
Sociology	5,076	11	33	67	513	499	499
Ancient History	9,216	19	47	53	528	524	514
Other Courses	5,848	12	44	56	524	521	511
AP/Honors Courses	21,254	44	43	57	565	562	553

## Academic Information

### Course-Taking Patterns

Table 18: Foreign and Classical Languages

<b>Foreign and Classical Languages</b>	<b>Test-Takers</b>		<b>Percent by Gender</b>		<b>SAT Reasoning Test Mean Scores</b>		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
<b>Years of Study</b>							
More Than 4 Years	5,122	10	37	63	582	583	574
4 Years	14,167	29	42	58	548	547	539
3 Years	21,082	43	47	53	498	501	484
2 Years	4,891	10	51	49	461	455	445
1 Year	1,724	4	58	42	429	422	409
1/2 Year or Less	1,798	4	60	40	404	403	389
No Response	10,789						
<b>Course Work or Experience</b>							
Chinese	288	1	47	53	561	602	557
French	8,669	18	37	63	532	524	520
German	2,814	6	59	41	544	539	523
Greek	96	0	48	52	576	550	556
Hebrew	48	0	46	54	553	531	537
Italian	233	0	36	64	557	542	546
Japanese	723	2	50	50	544	545	515
Korean	101	0	53	47	474	578	479
Latin	6,135	13	47	53	551	543	532
Russian	244	1	43	57	547	545	538
Spanish	33,402	70	45	55	506	508	495
Other Languages	1,402	3	36	64	478	480	467
AP/Honors Courses	8,160	17	37	63	590	590	585

## Academic Information

### Course-Taking Patterns

Table 19: Arts and Music, Computers

<b>Arts and Music</b>	<b>Test-Takers</b>		<b>Percent by Gender</b>		<b>SAT Reasoning Test Mean Scores</b>		
	<b>Years of Study</b>	Number	Pct	Male	Female	Critical Reading	Mathematics
More Than 4 Years	2,996	6	40	60	532	527	518
4 Years	9,858	21	39	61	538	528	526
3 Years	5,832	13	39	61	511	505	499
2 Years	8,390	18	45	55	509	510	498
1 Year	9,256	20	47	53	510	514	498
1/2 Year or Less	10,201	22	53	46	487	496	474
No Response	13,040						
<b>Course Work or Experience</b>							
Acting or Play Production	7,031	16	32	68	548	523	534
Art History or Appreciation	6,146	14	39	61	515	504	502
Dance	3,458	8	11	89	505	493	503
Drama: Study or Appreciation	6,169	14	31	69	530	508	517
Music: Study or Appreciation	4,539	10	47	53	542	527	528
Music Performance	16,375	38	41	59	531	525	520
Photography or Film	8,037	18	33	67	518	510	508
Studio Art and Design	7,388	17	37	63	529	522	516
None	11,165	26	57	43	486	498	473
AP/Honors Courses	3,362	7	37	63	575	563	563

<b>Computers</b>	<b>Test-Takers</b>		<b>Percent by Gender</b>		<b>SAT Reasoning Test Mean Scores</b>		
	<b>Course Work or Experience</b>	Number	Pct	Male	Female	Critical Reading	Mathematics
Computer Literacy	26,585	60	47	53	514	514	501
Computer Programming	7,865	18	59	41	510	525	496
Word Processing	29,070	66	46	54	513	511	500
Internet Activity	20,926	47	47	53	518	517	505
Using Computer Graphics	13,740	31	53	47	515	521	501
Creating Spreadsheets/Databases	13,639	31	49	51	516	522	504
None	7,042	16	36	64	518	514	509

## 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 Reasoning Test			
Number of Test-Takers	Number of Tests	Number of Test-Takers	Critical Reading Mean	Mathematics Mean	Writing Mean
9,366	23,112	9,113	625	636	620

  

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	760	8
2	4,280	46
3	3,687	39
4 or More	639	7

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

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

	SAT Subject Test			SAT Reasoning Test						
	N	Mean	SD	N	Critical Reading Mean	SD	Mathematics Mean	SD	Writing Mean	SD
<b>English</b>										
Literature	3,530	619	98	3,391	639	90	611	85	629	88
<b>History and Social Studies</b>										
U.S. History	4,965	637	92	4,823	638	88	631	87	628	88
World History	519	621	108	501	641	94	617	96	621	95
<b>Mathematics</b>										
Mathematics Level 1	3,812	604	90	3,662	601	91	619	81	598	89
Mathematics Level 2	3,957	671	87	3,903	639	93	683	74	638	87
<b>Science</b>										
Biology-E	802	604	101	768	612	99	616	99	603	98
Biology-M	861	643	87	846	644	88	652	86	639	86
Chemistry	1,623	645	100	1,593	637	95	680	84	637	91
Physics	879	650	88	867	646	91	703	69	637	87
<b>Foreign and Classical Languages</b>										
Chinese/Listening	93	776	39	89	581	134	688	89	598	125
French	430	604	107	424	652	87	639	84	655	84
French/Listening	130	637	101	130	655	86	627	87	651	88
German	36	616	120	36	656	98	663	89	660	97
German/Listening	43	557	114	43	648	91	654	69	639	84
Modern Hebrew										
Italian	5	672		5	650		660		646	
Japanese/Listening	34	614	124	33	648	97	650	98	620	89
Korean/Listening	114	786	28	111	542	112	689	78	578	109
Latin	205	602	103	201	673	83	653	78	666	79
Spanish	871	608	109	856	640	86	638	84	645	83
Spanish/Listening	203	622	111	201	633	78	630	76	640	73

## 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	297	8	574	12	74	14
700-740	540	15	879	18	72	14
650-690	741	21	1,073	22	90	17
600-640	639	18	916	18	71	14
550-590	552	16	679	14	72	14
500-540	349	10	463	9	69	13
450-490	196	6	234	5	39	8
400-440	142	4	104	2	24	5
350-390	57	2	39	1	8	2
300-340	16	0	4	0		
250-290	1	0				
200-240						
Total	3,530		4,965		519	
Mean	619		637		621	
SD	98		92		108	
75th percentile	690		710		700	
50th percentile	630		650		620	
25th percentile	560		570		540	

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	119	3	990	25	60	7	110	13	299	18	149	17
700-740	512	13	668	17	102	13	152	18	281	17	140	16
650-690	693	18	722	18	138	17	174	20	285	18	170	19
600-640	934	25	745	19	152	19	175	20	245	15	180	20
550-590	658	17	546	14	127	16	139	16	223	14	125	14
500-540	422	11	197	5	111	14	66	8	152	9	78	9
450-490	250	7	66	2	55	7	27	3	86	5	31	4
400-440	135	4	19	0	34	4	11	1	41	3	5	1
350-390	65	2	4	0	17	2	5	1	11	1	1	0
300-340	24	1			6	1	2	0				
250-290												
200-240												
Total	3,812		3,957		802		861		1,623		879	
Mean	604		671		604		643		645		650	
SD	90		87		101		87		100		88	
75th percentile	670		740		680		710		730		710	
50th percentile	610		670		610		650		650		650	
25th percentile	550		610		540		590		570		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	77	83	50	12	22	17	5	14	4	9		
700-740	8	9	42	10	16	12	6	17	4	9		
650-690	7	8	71	17	27	21	6	17	1	2		
600-640	1	1	74	17	25	19	3	8	6	14		
550-590			61	14	12	9	5	14	4	9		
500-540			60	14	17	13	5	14	10	23		
450-490			38	9	6	5	4	11	8	19		
400-440			24	6	3	2	1	3	3	7		
350-390			9	2	2	2			3	7		
300-340			1	0			1	3				
250-290												
200-240												
Total	93		430		130		36		43			
Mean	776		604		637		616		557			
SD	39		107		101		120		114			
75th percentile	800		680		710		720		620			
50th percentile	800		600		640		630		530			
25th percentile	760		520		550		510		460			

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	2	40	7	21	109	96	21	10	99	11	42	21
700-740	2	40	5	15	2	2	27	13	112	13	20	10
650-690			4	12	1	1	27	13	133	15	26	13
600-640			2	6	2	2	18	9	144	17	30	15
550-590			7	21			45	22	108	12	34	17
500-540			3	9			37	18	138	16	27	13
450-490			2	6			18	9	73	8	12	6
400-440			1	3			8	4	43	5	9	4
350-390	1	20	3	9			4	2	16	2	1	0
300-340									5	1	1	0
250-290												
200-240											1	0
Total	5		34		114		205		871		203	
Mean	672		614		786		602		608		622	
SD			124		28		103		109		111	
75th percentile			710		800		690		690		720	
50th percentile			610		800		580		620		620	
25th percentile			530		780		520		520		540	

## College Plans

Table 26: Intended College Major, Degree-Level Goal

SAT Reasoning Test Intended College Major	Test-Takers		Mean Scores		
	Number	Pct	Critical Reading	Mathematics	Writing
Agriculture, Agriculture Operations, and Related Sciences	319	1	497	490	485
Architecture and Related Services	994	2	499	534	489
Area, Ethnic, Cultural and Gender Studies	39	0	599	545	591
Biological and Biomedical Sciences	2,203	5	542	539	527
Business Management, Marketing, and Related Support Services	5,843	14	483	496	475
Communication, Journalism and Related Programs	1,448	3	528	499	521
Computer and Information Sciences and Support Services	1,741	4	509	524	484
Construction Trades	33	0	461	485	442
Education	2,766	7	493	483	484
Engineering	3,394	8	531	576	513
Engineering Technologies/Technicians	600	1	473	508	451
English Language and Literature/Letters	637	2	609	536	591
Family and Consumer Sciences/Human Sciences	92	0	464	448	457
Foreign Languages, Literatures, and Linguistics	379	1	595	557	585
Health Professions and Related Clinical Services	6,982	17	491	493	487
History	770	2	552	512	518
Legal Professions and Studies	1,261	3	524	509	511
Liberal Arts and Sciences, General Studies, and Humanities	544	1	562	528	541
Library Science/Librarianship	10	0	553	502	506
Mathematics and Statistics	379	1	533	594	528
Mechanic and Repair Technologies/Technician	145	0	434	463	414
Military Sciences	162	0	512	513	484
Multi/Interdisciplinary Studies	97	0	585	580	570
Natural Resources and Conservation	208	0	544	527	519
Parks, Recreation, Leisure and Fitness Studies	365	1	454	473	444
Personal and Culinary Services	186	0	473	464	456
Philosophy and Religious Studies	125	0	577	544	547
Physical Sciences	615	1	558	574	539
Precision Production	4	0			
Psychology	2,031	5	510	488	501
Public Administration and Social Services Professions	151	0	488	466	475
Security and Protective Services	744	2	462	458	446
Social Sciences	911	2	568	539	552
Theology and Religious Vocations	138	0	547	515	528
Transportation and Materials Moving	20	0	509	517	484
Visual and Performing Arts	3,583	9	524	502	510
Other	457	1	475	474	464
Undecided	1,284	3	538	546	526
<b>Degree-Level Goal</b>					
Certificate Program	375	1	443	444	432
Associate Degree	458	1	427	417	415
Bachelor's Degree	15,178	29	483	483	469
Master's Degree	15,833	30	517	519	506
Doctoral or Related Degree	9,003	17	540	540	531
Other	210	0	446	453	437
Undecided	10,886	21	524	522	510

## College Plans

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

Of the 59,826 students from your state who took the SAT Reasoning Test and/or an SAT Subject Test, 46,343 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 2,316 institutions received score reports from your students.

<b>Institution</b>	<b>State</b>	<b>Type</b>	<b>Number of Students</b>	<b>Percent of Score Senders*</b>
JAMES MADISON UNIVERSITY	VA	Public	15,870	34.2
VIRGINIA POLYTECH INSTITUTE STATE UNIVER	VA	Public	15,531	33.5
VIRGINIA COMMONWEALTH UNIVERSITY	VA	Public	13,106	28.3
UNIVERSITY OF VIRGINIA	VA	Public	13,069	28.2
GEORGE MASON UNIVERSITY	VA	Public	10,822	23.4
OLD DOMINION UNIVERSITY	VA	Public	10,435	22.5
CHRISTOPHER NEWPORT UNIVERSITY	VA	Public	8,006	17.3
RADFORD UNIVERSITY	VA	Public	7,363	15.9
COLLEGE OF WILLIAM AND MARY	VA	Public	7,165	15.5
LONGWOOD UNIVERSITY	VA	Public	4,969	10.7
UNIVERSITY OF MARY WASHINGTON	VA	Public	4,323	9.3
VIRGINIA STATE UNIVERSITY	VA	Public	2,913	6.3
NORFOLK STATE UNIVERSITY	VA	Public	2,679	5.8
HAMPTON UNIVERSITY	VA	Private	2,406	5.2
NCAA ELIGIBILITY CENTER	IA	Public	2,295	5.0
LIBERTY UNIVERSITY	VA	Private	2,214	4.8
UNIVERSITY OF NORTH CAROLINA CHAPEL HILL	NC	Public	2,048	4.4
UNIVERSITY OF RICHMOND	VA	Private	2,018	4.4
WEST VIRGINIA UNIVERSITY MORGANTOWN	WV	Public	1,923	4.1
PENNSYLVANIA STATE UNIVERSITY UNIVERSITY	PA	Public	1,762	3.8
BRIDGEWATER COLLEGE	VA	Private	1,667	3.6
LYNCHBURG COLLEGE	VA	Private	1,656	3.6
EAST CAROLINA UNIVERSITY	NC	Public	1,605	3.5
DUKE UNIVERSITY	NC	Private	1,474	3.2
GEORGETOWN UNIVERSITY	DC	Private	1,427	3.1
UNIVERSITY OF MARYLAND COLLEGE PARK	MD	Public	1,419	3.1
NORTH CAROLINA STATE UNIVERSITY RALEIGH	NC	Public	1,372	3.0
FERRUM COLLEGE	VA	Private	1,345	2.9
ROANOKE COLLEGE	VA	Private	1,330	2.9
UNIVERSITY OF SOUTH CAROLINA COLUMBIA	SC	Public	1,316	2.8
RANDOLPH-MACON COLLEGE	VA	Private	1,311	2.8
CLEMSON UNIVERSITY	SC	Public	1,242	2.7
NEW YORK UNIVERSITY	NY	Private	1,209	2.6
SHENANDOAH UNIVERSITY	VA	Private	1,175	2.5
CORNELL UNIVERSITY	NY	Private	1,122	2.4
UNIVERSITY OF VIRGINIA'S COLLEGE AT WISE	VA	Public	1,113	2.4
PRINCETON UNIVERSITY	NJ	Private	1,107	2.4
ELON UNIVERSITY	NC	Private	1,058	2.3
VIRGINIA WESLEYAN COLLEGE	VA	Private	1,030	2.2
HOWARD UNIVERSITY	DC	Private	1,014	2.2
UNIVERSITY OF NORTH CAROLINA WILMINGTON	NC	Public	998	2.2
MARYMOUNT UNIVERSITY	VA	Private	983	2.1
VIRGINIA MILITARY INSTITUTE	VA	Public	947	2.0
WASHINGTON AND LEE UNIVERSITY	VA	Private	922	2.0
GEORGE WASHINGTON UNIVERSITY	DC	Private	921	2.0

\*Of your students who designated that their SAT Reasoning Test 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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San Juan, PR 00918-1017  
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P.O. Box 71101  
San Juan, PR 00936-8001  
787 772-1200  
787 759-8629 (Fax - Reception area)  
787 764-4306 (Fax - Director's office)

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202 741-4745 (Fax)

## Washington Office

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