



2009 College-Bound Seniors

# State Profile Report

MICHIGAN

## Included in This Report

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**SAT® Data**

**SAT Subject Tests™ Data**

**Demographic and Academic Information**

**College Plans**

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# The SAT® Program

The SAT® (formerly known as the SAT® I: Reasoning Test) assesses student reasoning based on knowledge and skills developed by the students in their course work. The SAT Subject Tests™ (formerly known as SAT II: Subject Tests) are a series of one-hour, mostly multiple-choice tests that measure how much students know about a particular academic subject and how well they can apply that knowledge. Most students also complete the optional SAT Questionnaire (formerly known as the Student Descriptive Questionnaire) when they register to take SAT Program tests, providing valuable contextual information to aid in interpreting and understanding individual and group scores. *College-Bound Seniors 2009* includes students who tested through March 2009.

## Using This Report

*College-Bound Seniors* presents data for high school graduates in the year 2009 who participated in the SAT Program. Students are counted only once, no matter how often they tested, and only their latest scores and most recent SAT Questionnaire responses are summarized. Because the accuracy of self-reported information has been documented and the college-bound population is relatively stable from year to year, SAT Questionnaire responses from these students can be considered highly accurate. Therefore, you can use this report to:

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

Keep in mind, however, that:

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

# Statistical Definitions

The following terms are used throughout this report. For more statistical information, visit the College Board Web site at [www.collegeboard.com](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 to 800 point scale.

## Standard deviation (SD)

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

## The College Board: Inspiring Minds™

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

# Total Group Mean SAT Scores

## College-Bound Seniors, 1972–2009

<u>Year</u>	<u>Critical Reading</u>			<u>Mathematics</u>			<u>Writing</u>		
	<u>Male</u>	<u>Female</u>	<u>Total</u>	<u>Male</u>	<u>Female</u>	<u>Total</u>	<u>Male</u>	<u>Female</u>	<u>Total</u>
1972	531	529	530	527	489	509	-	-	-
1973	523	521	523	525	489	506	-	-	-
1974	524	520	521	524	488	505	-	-	-
1975	515	509	512	518	479	498	-	-	-
1976	511	508	509	520	475	497	-	-	-
1977	509	505	507	520	474	496	-	-	-
1978	511	503	507	517	474	494	-	-	-
1979	509	501	505	516	473	493	-	-	-
1980	506	498	502	515	473	492	-	-	-
1981	508	496	502	516	473	492	-	-	-
1982	509	499	504	516	473	493	-	-	-
1983	508	498	503	516	474	494	-	-	-
1984	511	498	504	518	478	497	-	-	-
1985	514	503	509	522	480	500	-	-	-
1986	515	504	509	523	479	500	-	-	-
1987	512	502	507	523	481	501	-	-	-
1988	512	499	505	521	483	501	-	-	-
1989	510	498	504	523	482	502	-	-	-
1990	505	496	500	521	483	501	-	-	-
1991	503	495	499	520	482	500	-	-	-
1992	504	496	500	521	484	501	-	-	-
1993	504	497	500	524	484	503	-	-	-
1994	501	497	499	523	487	504	-	-	-
1995	505	502	504	525	490	506	-	-	-
1996	507	503	505	527	492	508	-	-	-
1997	507	503	505	530	494	511	-	-	-
1998	509	502	505	531	496	512	-	-	-
1999	509	502	505	531	495	511	-	-	-
2000	507	504	505	533	498	514	-	-	-
2001	509	502	506	533	498	514	-	-	-
2002	507	502	504	534	500	516	-	-	-
2003	512	503	507	537	503	519	-	-	-
2004	512	504	508	537	501	518	-	-	-
2005	513	505	508	538	504	520	-	-	-
2006	505	502	503	536	502	518	491	502	497
2007	504	502	502	533	499	515	489	500	494
2008	504	500	502	533	500	515	488	501	494
2009	503	498	501	534	499	515	486	499	493

Note: For 1972–1986 a formula was applied to the original mean and standard deviation to convert the mean to the recentered scale. For 1987–1995 individual student scores were converted to the recentered scale and then the mean was recomputed. From 1996–1999, nearly all students received scores on the recentered scale. Any score on the original scale was converted to the recentered scale prior to computing the mean. From 2000–2009, all scores are reported on the recentered scale.

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## SAT® Data

Data in this report are for high school graduates in the year 2009. Information is summarized for seniors who took the SAT at any time during their high school years through March 2009. If a student took the test more than once, the most recent score is used.

Table 1: Overall Mean Scores

SAT	Test-Takers Number	Critical Reading		Mathematics		Writing *		Writing Sub-Scores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Total	6,055	584	107	603	109	575	105	57.6	10.6	7.9	1.5

Table 2: Mean Scores by Gender

SAT	Test-Takers Number	Critical Reading		Mathematics		Writing		Writing Sub-Scores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Male	2,886	587	106	625	107	571	106	57.3	10.7	7.8	1.5
Female	3,169	581	107	583	107	579	104	57.8	10.6	8.0	1.4

Table 3: Year in Which Seniors Last Took the SAT

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

SAT	Test-Takers Number	Critical Reading		Mathematics		Writing		Writing Sub-Scores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Senior (2008-2009)	2,208	566	118	583	119	557	113	55.8	11.5	7.6	1.6
Junior (2007-2008)	3,760	595	98	615	100	587	98	58.7	9.9	8.1	1.4
Sophomore (2006-2007)	62	563	115	588	113	542	114	54.7	11.5	7.3	1.8
Freshman (2005-2006)	25	505	63	550	92	494	86	50.4	9.0	6.8	1.5
Total	6,055	584	107	603	109	575	105	57.6	10.6	7.9	1.5

Table 4: Mean Scores for Total Group

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

SAT	Test-Takers Number	Critical Reading		Mathematics		Writing		Writing Sub-Scores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Total Group	1,530,128	501	112	515	116	493	111	49.3	11.1	7.2	1.6

\*Writing data are based on students who took the current version of the SAT, first administered in March 2005. All students in the 2009 cohort took the SAT writing section. The Writing test contains one essay (30% of the total score) and 49 multiple-choice questions (70% of the total score). Essay scores range from 2-12, with a very small percentage of students (less than 0.3%) receiving scores of 0 on the essay, for essays written completely off topic. Multiple-choice scores range from 20 to 80.

## SAT Data

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

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

SAT Percentile	State			Total Group		
	Critical Reading	Mathematics	Writing	Critical Reading	Mathematics	Writing
75th	660	680	650	580	600	570
50th	590	610	580	500	510	490
25th	520	530	500	420	430	410

**Table 6: Score Distributions**

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

SAT Score Range	Critical Reading			Mathematics			Writing		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
700–800	467	470	937	778	445	1,223	346	396	742
600–690	946	1,004	1,950	1,081	1,108	2,189	903	1,068	1,971
500–590	930	1,066	1,996	682	943	1,625	968	1,053	2,021
400–490	420	470	890	271	534	805	504	519	1,023
300–390	103	142	245	63	117	180	147	118	265
200–290	20	17	37	11	22	33	18	15	33

**Table 7: Type of High School**

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Public	4,194	78	46	54	583	607	575
Religiously Affiliated	596	11	60	40	586	604	575
Independent	573	11	50	50	612	606	605
Other or Unknown	692		45	55	564	574	552

**Table 8: Test-Taking Conditions**

SAT	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
Standard Conditions	5,980	99	584	107	603	109	576	105
Nonstandard Conditions	75	1	580	104	582	107	547	105

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

## Demographic Information

SAT: Mean Scores by Gender Within Ethnicity

Table 9: Total Mean Scores by Ethnicity

SAT Test-Takers Who Described Themselves As:	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
American Indian or Alaska Native	15	0	548		598		541	
Asian, Asian American, or Pacific Islander	886	15	587	123	673	98	599	118
Black or African American	473	8	494	108	484	111	488	104
Mexican or Mexican American	47	1	548	95	540	93	516	98
Puerto Rican	17	0	567		539		536	
Other Hispanic, Latino, or Latin American	75	1	557	113	560	100	543	111
White	4,041	67	595	97	604	97	581	96
Other	216	4	587	111	602	108	589	103
No Response	285	5	588	109	591	112	571	110
Total	6,055	100	584	107	603	109	575	105

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	11	0	543		604		544	
Asian, Asian American, or Pacific Islander	441	7	590	116	691	90	600	111
Black or African American	214	4	493	113	504	118	481	107
Mexican or Mexican American	23	0	524		553		480	
Puerto Rican	4	0						
Other Hispanic, Latino, or Latin American	36	1	564	113	575	111	537	115
White	1,922	32	597	98	625	95	576	99
Other	100	2	593	105	634	95	590	102
No Response	135	2	596	103	613	112	562	109
Total	2,886	48	587	106	625	107	571	106

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	4	0						
Asian, Asian American, or Pacific Islander	445	7	584	128	655	103	599	125
Black or African American	259	4	495	105	468	102	493	102
Mexican or Mexican American	24	0	571		529		551	
Puerto Rican	13	0	564		521		538	
Other Hispanic, Latino, or Latin American	39	1	550	113	546	85	548	107
White	2,119	35	592	96	585	94	586	93
Other	116	2	582	115	574	111	588	103
No Response	150	2	581	114	571	108	579	111
Total	3,169	52	581	107	583	107	579	104

## 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	6,055	100	584	107	603	109	575	105
<b>First Language Learned</b>								
English	4,716	80	587	102	595	105	574	101
English and Another	649	11	593	109	629	114	597	109
Another Language	507	9	542	128	646	112	560	124
No Response	183		584	122	604	125	575	124
<b>Citizenship</b>								
U.S. Citizen / U.S. National	5,392	93	589	103	600	107	577	102
U.S. Permanent Resident or Refugee	219	4	580	122	648	116	593	121
Citizen of Another Country	197	3	478	118	638	100	507	117
Other, Unknown, or No Response	247		570	119	608	123	566	117
<b>Disabling Condition</b>								
Yes	283	5	562	112	563	124	538	107
Unknown or No Response	5,772		585	106	605	107	577	105
<b>Plans to Apply for Financial Aid</b>								
Yes	3,821	70	584	108	599	110	574	105
No	487	9	575	102	607	96	577	102
Don't Know	1,160	21	585	106	611	106	577	104
<b>Family Income</b>								
\$0 - \$20,000	168	4	489	119	527	130	485	110
\$20,000–\$40,000	320	8	535	114	555	119	527	110
\$40,000–\$60,000	451	11	562	107	570	110	544	99
\$60,000–\$80,000	569	14	579	103	592	107	567	101
\$80,000–\$100,000	610	15	582	106	608	106	576	105
\$100,000–\$120,000	563	14	593	100	608	106	585	100
\$120,000–\$140,000	336	8	588	102	605	103	583	107
\$140,000–\$160,000	251	6	595	100	611	103	579	98
\$160,000–\$200,000	295	7	609	91	622	91	601	93
More than \$200,000	497	12	595	93	617	97	584	90
No Response	1,995		596	107	617	106	589	105
<b>Highest Level of Parental Education</b>								
No High School Diploma	33	1	472	138	542	127	478	114
High School Diploma	641	11	520	104	536	112	511	102
Associate Degree	262	5	538	106	562	112	531	102
Bachelor's Degree	1,823	33	571	102	590	104	560	101
Graduate Degree	2,831	51	612	98	629	99	604	96
<b>Took the PSAT/NMSQT®</b>								
Yes, As a Junior	2,549	47	586	104	602	104	577	101
Yes, As a Sophomore or Younger	867	16	574	101	592	108	562	102
Yes, As a Junior and As a Sophomore or Younger	1,190	22	625	93	641	94	616	93
No	769	14	535	115	564	121	528	109

## 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	1,973	58	48	52	630	659	623
Second Tenth	828	24	48	52	564	582	555
Second Fifth	344	10	51	49	529	550	520
Final Three Fifths	250	7	59	41	480	494	468
No Response	2,660		46	54	573	586	563

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)	781	13	45	55	647	668	642
A (93–96)	2,054	35	44	56	618	644	612
A- (90–92)	1,387	24	49	51	577	598	569
B (80–89)	1,393	24	51	49	527	534	512
C (70–79)	185	3	63	37	466	461	439
D, E, or F (below 70)	5	0	80	20	466	438	452
No Response	250		52	48	561	586	559
<b>Mean Grade Point Average</b>	<b>All Students: 3.69</b>		<b>Male: 3.65</b>		<b>Female: 3.74</b>		

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	2.1	2.5	2.3	3.87	3.95	3.91
English and Language Arts	4.0	4.0	4.0	3.63	3.79	3.72
Foreign and Classical Languages	3.0	3.2	3.1	3.61	3.75	3.69
Mathematics	4.0	4.0	4.0	3.57	3.55	3.56
Natural Sciences	3.8	3.8	3.8	3.62	3.65	3.64
Social Sciences and History	3.6	3.6	3.6	3.71	3.77	3.74
<b>Total for All Subjects</b>	<b>20.5</b>	<b>21.1</b>	<b>20.8</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 Mean Scores</b>			
	<b>Years of Study</b>	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	568	11	40	60	604	614	594	
4 Years	4,328	81	48	52	589	607	579	
3 Years	353	7	51	49	523	555	519	
2 Years	48	1	44	56	566	608	578	
1 Year	7	0	57	43	433	596	410	
1/2 Year or Less	8	0	63	38	444	553	439	
No Response	743		52	48	575	596	567	
<b>Course Work or Experience</b>								
English/Language Arts	4,893	96	46	54	587	604	578	
Journalism	772	15	34	66	587	583	580	
Creative Writing	1,414	28	39	61	576	577	567	
American Literature	3,582	71	46	54	590	604	581	
Composition/Writing	2,499	49	44	56	583	596	576	
British Literature	1,554	31	45	55	608	614	593	
World Literature	1,869	37	45	55	598	609	587	
Communications	741	15	46	54	574	598	568	
Public Speaking	2,091	41	46	54	588	604	579	
English As Second Language	247	5	45	55	493	625	516	
AP@/Honors Courses	2,832	53	42	58	623	632	613	

<b>Mathematics</b>	<b>Test-Takers</b>		<b>Percent by Gender</b>		<b>SAT Mean Scores</b>			
	<b>Years of Study</b>	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	793	15	56	44	605	654	599	
4 Years	3,834	72	47	53	590	607	580	
3 Years	625	12	39	61	539	531	529	
2 Years	62	1	48	52	534	544	535	
1 Year	9	0	33	67	470	516	453	
1/2 Year or Less	4	0	50	50				
No Response	728		53	47	576	597	567	
<b>Highest Level of Mathematics Achieved*</b>								
Calculus	2,918	56	51	49	619	657	611	
Pre-calculus	1,238	24	40	60	560	565	551	
Trigonometry	362	7	44	56	541	531	526	
Algebra II	583	11	43	57	519	492	505	
Algebra I	76	1	43	57	480	435	468	
AP/Honors Courses	2,879	54	50	50	621	655	613	

\*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 Mean Scores</b>		
	<b>Years of Study</b>	Number	Pct	Male	Female	Critical Reading	Mathematics
More Than 4 Years	785	15	47	53	619	655	608
4 Years	3,158	60	48	52	594	612	585
3 Years	1,050	20	44	56	550	560	542
2 Years	223	4	49	51	539	543	532
1 Year	44	1	34	66	495	534	494
1/2 Year or Less	17	0	41	59	528	548	516
No Response	778		52	48	573	594	565
<b>Course Work or Experience</b>							
Biology	5,001	98	46	54	586	604	578
Chemistry	4,838	94	47	53	590	609	581
Physics	3,666	72	51	49	599	625	589
Geology, Earth, or Space Science	2,478	48	45	55	571	585	560
Other Sciences	1,960	38	39	61	580	592	571
AP/Honors Courses	2,641	50	49	51	624	650	614

<b>Social Sciences and History</b>	<b>Test-Takers</b>		<b>Percent by Gender</b>		<b>SAT Mean Scores</b>		
	<b>Years of Study</b>	Number	Pct	Male	Female	Critical Reading	Mathematics
More Than 4 Years	424	8	45	55	607	621	599
4 Years	2,849	54	48	52	595	608	585
3 Years	1,695	32	45	55	572	596	563
2 Years	276	5	47	53	556	591	555
1 Year	28	1	46	54	477	568	476
1/2 Year or Less	12	0	50	50	428	560	456
No Response	771		52	48	574	596	565
<b>Course Work or Experience</b>							
U.S. History	4,910	96	46	54	588	606	578
World History or Cultures	3,727	73	47	53	590	607	580
U.S. Government or Civics	4,625	90	46	54	586	604	577
Economics	3,017	59	46	54	582	604	575
Geography	1,152	23	41	59	556	568	545
Psychology	1,818	36	37	63	583	594	574
European History	1,332	26	48	52	614	622	603
Sociology	720	14	37	63	567	577	555
Ancient History	852	17	44	56	604	605	590
Other Courses	1,294	25	45	55	584	595	573
AP/Honors Courses	2,329	44	48	52	630	642	618

## 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	337	6	37	63	614	637	611
4 Years	2,139	40	44	56	613	627	606
3 Years	1,241	23	47	53	581	604	573
2 Years	1,213	23	50	50	554	572	541
1 Year	196	4	54	46	508	521	494
1/2 Year or Less	167	3	62	38	523	571	517
No Response	762		53	47	574	595	564
<b>Course Work or Experience</b>							
Chinese	183	4	47	53	587	640	583
French	1,121	22	35	65	597	605	591
German	499	10	54	46	607	620	586
Greek	15	0	40	60	637	624	635
Hebrew	20	0	45	55	629	605	633
Italian	42	1	31	69	587	577	569
Japanese	136	3	51	49	568	613	550
Korean	41	1	56	44	502	646	515
Latin	373	7	52	48	633	630	614
Russian	16	0	38	63	581	583	609
Spanish	3,125	61	47	53	581	599	573
Other Languages	114	2	39	61	535	565	543
AP/Honors Courses	1,316	25	43	57	634	651	632

## 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 Mean Scores</b>			
	<b>Years of Study</b>	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	352	7	37	63	604	607	594	
4 Years	1,447	28	42	58	600	614	591	
3 Years	551	11	38	62	584	591	574	
2 Years	931	18	46	54	579	599	572	
1 Year	900	17	50	50	574	596	563	
1/2 Year or Less	1,018	20	59	41	578	609	570	
No Response	856		54	46	572	596	563	
<b>Course Work or Experience</b>								
Acting or Play Production	1,167	24	34	66	600	592	586	
Art History or Appreciation	661	14	38	62	582	584	569	
Dance	500	10	13	87	580	582	577	
Drama: Study or Appreciation	680	14	32	68	588	582	577	
Music: Study or Appreciation	767	16	44	56	606	604	594	
Music Performance	2,652	54	44	56	600	614	590	
Photography or Film	813	17	33	67	578	581	570	
Studio Art and Design	1,183	24	34	66	588	595	579	
None	782	16	65	35	557	599	550	
AP/Honors Courses	409	8	42	58	627	642	626	

<b>Computers</b>	<b>Test-Takers</b>		<b>Percent by Gender</b>		<b>SAT Mean Scores</b>		
<b>Course Work or Experience</b>	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Computer Literacy	3,475	71	46	54	586	603	577
Computer Programming	1,048	21	66	34	593	631	583
Word Processing	3,602	74	47	53	587	603	578
Internet Activity	2,720	56	48	52	589	605	578
Using Computer Graphics	1,601	33	52	48	583	605	572
Creating Spreadsheets/Databases	1,901	39	51	49	592	612	580
None	488	10	39	61	599	611	590

## SAT Subject Tests™ Data

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

Students Who Took SAT Subject Tests		Students Who Took an SAT Subject Test and Also Took the SAT			
Number of Test-Takers	Number of Tests	Number of Test-Takers	Critical Reading Mean	Mathematics Mean	Writing Mean
2,142	5,694	1,480	655	685	653

  

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	102	5
2	768	36
3	1,083	51
4 or More	189	9

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

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

	SAT Subject Test			N	SAT						
	N	Mean	SD		Critical Reading Mean	SD	Mathematics Mean	SD	Writing Mean	SD	
<b>English</b>											
Literature	870	635	94	570	665	85	652	89	656	82	
<b>History and Social Studies</b>											
U.S. History	678	648	105	477	663	87	670	92	657	86	
World History	64	630	114	44	695	83	671	75	683	76	
<b>Mathematics</b>											
Mathematics Level 1	620	629	100	369	627	89	649	89	626	87	
Mathematics Level 2	1,377	708	86	1,005	664	87	715	64	664	80	
<b>Science</b>											
Biology-E	200	645	106	124	664	86	670	86	654	84	
Biology-M	318	692	83	225	670	76	702	67	672	72	
Chemistry	779	685	93	592	665	87	719	67	667	79	
Physics	316	679	91	228	663	87	718	66	658	84	
<b>Foreign and Classical Languages</b>											
Chinese/Listening	42	759	51	40	660	99	717	71	675	102	
French	75	609	108	62	669	69	675	71	687	58	
French/Listening	16	632		13	685		651		675		
German	9	550		4							
German/Listening	10	556		9	680		682		663		
Modern Hebrew	3			3							
Italian	1			1							
Japanese/Listening	10	703		8	614		674		604		
Korean/Listening	35	783	23	26	560	125	717	78	603	115	
Latin	21	605		19	706		725		699		
Spanish	217	599	111	148	652	86	667	83	659	78	
Spanish/Listening	33	598	94	25	668	69	683	74	668	64	

## 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	99	11	137	20	14	22
700-740	155	18	130	19	5	8
650-690	188	22	120	18	12	19
600-640	159	18	99	15	7	11
550-590	127	15	75	11	12	19
500-540	66	8	41	6	4	6
450-490	46	5	40	6	5	8
400-440	16	2	25	4	4	6
350-390	9	1	11	2	1	2
300-340	5	1				
250-290						
200-240						
Total	870		678		64	
Mean	635		648		630	
SD	94		105		114	
75th percentile	700		730		700	
50th percentile	650		660		640	
25th percentile	570		580		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	64	10	585	42	37	19	100	31	252	32	88	28
700-740	122	20	231	17	39	20	74	23	176	23	62	20
650-690	129	21	246	18	34	17	60	19	120	15	59	19
600-640	98	16	156	11	27	14	42	13	82	11	45	14
550-590	71	11	100	7	23	12	23	7	71	9	35	11
500-540	65	10	33	2	23	12	13	4	48	6	18	6
450-490	40	6	19	1	10	5	4	1	20	3	4	1
400-440	24	4	5	0	4	2			9	1	5	2
350-390	3	0	1	0	1	1	2	1	1	0		
300-340	4	1	1	0	2	1						
250-290												
200-240												
Total	620		1,377		200		318		779		316	
Mean	629		708		645		692		685		679	
SD	100		86		106		83		93		91	
75th percentile	710		790		720		760		760		750	
50th percentile	650		730		670		700		710		690	
25th percentile	560		650		570		640		630		610	

## 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	29	69	10	13	2	13	1	11	1	10	2	67
700-740	9	21	11	15	3	19			1	10		
650-690	3	7	7	9	3	19	1	11				
600-640			16	21	3	19	1	11	1	10		
550-590			8	11	2	13	2	22				
500-540	1	2	9	12	2	13	1	11	4	40	1	33
450-490			8	11			1	11	2	20		
400-440			5	7			1	11	1	10		
350-390			1	1	1	6	1	11				
300-340												
250-290												
200-240												
Total	42		75		16		9		10		3	
Mean	759		609		632		550		556			
SD	51		108									
75th percentile	800		700									
50th percentile	780		610									
25th percentile	730		510									

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			3	30	33	94	2	10	12	6	3	9
700-740			2	20	2	6	3	14	34	16	3	9
650-690	1	100	4	40			4	19	34	16	4	12
600-640							1	5	48	22	7	21
550-590							5	24	26	12	4	12
500-540			1	10			3	14	25	12	9	27
450-490							2	10	19	9	3	9
400-440							1	5	7	3		
350-390									6	3		
300-340									4	2		
250-290									2	1		
200-240												
Total	1		10		35		21		217		33	
Mean			703		783		605		599		598	
SD					23				111		94	
75th percentile					800		670		670		660	
50th percentile					790		590		620		590	
25th percentile					780		540		530		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	14	0	536	535	503
Architecture and Related Services	77	2	558	616	553
Area, Ethnic, Cultural and Gender Studies	8	0	675	633	693
Biological and Biomedical Sciences	343	8	606	629	600
Business Management, Marketing, and Related Support Services	554	12	545	586	541
Communication, Journalism and Related Programs	147	3	572	545	561
Computer and Information Sciences and Support Services	96	2	580	626	565
Construction Trades					
Education	157	3	556	554	550
Engineering	553	12	600	653	582
Engineering Technologies/Technicians	43	1	523	578	503
English Language and Literature/Letters	114	3	637	586	631
Family and Consumer Sciences/Human Sciences	6	0	500	443	483
Foreign Languages, Literatures, and Linguistics	63	1	625	599	617
Health Professions and Related Clinical Services	845	19	566	594	567
History	59	1	620	581	593
Legal Professions and Studies	138	3	589	590	577
Liberal Arts and Sciences, General Studies, and Humanities	90	2	621	582	593
Library Science/Librarianship	2	0			
Mathematics and Statistics	68	1	608	686	604
Mechanic and Repair Technologies/Technician	7	0	431	551	463
Military Sciences	7	0	570	580	526
Multi/Interdisciplinary Studies	18	0	671	682	669
Natural Resources and Conservation	20	0	638	598	610
Parks, Recreation, Leisure and Fitness Studies	10	0	461	476	470
Personal and Culinary Services	5	0	424	446	430
Philosophy and Religious Studies	10	0	634	617	629
Physical Sciences	128	3	635	658	611
Precision Production					
Psychology	134	3	558	550	551
Public Administration and Social Services Professions	11	0	605	578	565
Security and Protective Services	25	1	476	510	475
Social Sciences	132	3	635	619	615
Theology and Religious Vocations	10	0	613	610	589
Transportation and Materials Moving	3	0			
Visual and Performing Arts	406	9	585	567	571
Other	26	1	510	543	501
Undecided	210	5	611	629	595
<b>Degree-Level Goal</b>					
Certificate Program	17	0	519	599	506
Associate Degree	8	0	489	490	489
Bachelor's Degree	902	16	544	554	530
Master's Degree	1,758	32	571	593	564
Doctoral or Related Degree	1,849	34	608	628	601
Other	17	0	508	574	531
Undecided	917	17	601	616	589

## College Plans

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

Of the 6,717 students from your state who took the SAT and/or an SAT Subject Test, 5,337 designated that their score reports be sent to institutions. Students may designate more than one institution to receive scores. This list includes only the 45 institutions that received the most score reports. A total of 1,144 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>
UNIVERSITY OF MICHIGAN ANN ARBOR	MI	Public	2,763	51.8
MICHIGAN STATE UNIVERSITY	MI	Public	1,887	35.4
NORTHWESTERN UNIVERSITY	IL	Private	668	12.5
HARVARD UNDERGRADUATE ADMISSIONS	MA	Private	639	12.0
NATIONAL MERIT SCHOLARSHIP PROGRAM	IL	Scholarship	619	11.6
STANFORD UNIVERSITY	CA	Private	486	9.1
MIDWEST ACADEMIC TALENT SEARCH	IL	Scholarship	478	9.0
YALE UNIVERSITY	CT	Private	477	8.9
GRAND VALLEY STATE UNIVERSITY	MI	Public	469	8.8
PRINCETON UNIVERSITY	NJ	Private	467	8.8
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	MA	Private	448	8.4
CORNELL UNIVERSITY	NY	Private	430	8.1
NEW YORK UNIVERSITY	NY	Private	409	7.7
WESTERN MICHIGAN UNIVERSITY	MI	Public	359	6.7
WAYNE STATE UNIVERSITY	MI	Public	354	6.6
UNIVERSITY OF CHICAGO	IL	Private	336	6.3
COLUMBIA UNIVERSITY COLUMBIA COLLEGE	NY	Private	336	6.3
MICHIGAN DEPARTMENT OF EDUCATION GIFTED	MI	Scholarship	304	5.7
CENTRAL MICHIGAN UNIVERSITY	MI	Public	298	5.6
UNIVERSITY OF PENNSYLVANIA UNDERGRADUATE	PA	Private	294	5.5
BROWN UNIVERSITY	RI	Private	276	5.2
UNIVERSITY OF NOTRE DAME	IN	Private	264	4.9
PURDUE UNIVERSITY WEST LAFAYETTE	IN	Public	262	4.9
DUKE UNIVERSITY	NC	Private	260	4.9
EASTERN MICHIGAN UNIVERSITY	MI	Public	254	4.8
KALAMAZOO COLLEGE	MI	Private	253	4.7
UNIVERSITY OF CALIFORNIA BERKELEY	CA	Public	219	4.1
WASHINGTON UNIVERSITY	MO	Private	217	4.1
NCAA ELIGIBILITY CENTER	IN	Public	214	4.0
DARTMOUTH COLLEGE	NH	Private	213	4.0
CARNEGIE MELLON UNIVERSITY	PA	Private	208	3.9
JOHNS HOPKINS UNIVERSITY	MD	Private	207	3.9
GEORGETOWN UNIVERSITY	DC	Private	201	3.8
MICHIGAN TECHNOLOGICAL UNIVERSITY	MI	Public	192	3.6
BOSTON UNIVERSITY	MA	Private	184	3.4
INDIANA UNIVERSITY BLOOMINGTON	IN	Public	182	3.4
UNIVERSITY OF CALIFORNIA LOS ANGELES	CA	Public	165	3.1
UNIVERSITY OF SOUTHERN CALIFORNIA	CA	Private	158	3.0
HOPE COLLEGE	MI	Private	158	3.0
LOYOLA UNIVERSITY CHICAGO	IL	Private	151	2.8
UNIVERSITY OF MICHIGAN DEARBORN	MI	Public	142	2.7
BOSTON COLLEGE	MA	Private	141	2.6
CASE WESTERN RESERVE UNIVERSITY	OH	Private	137	2.6
UNIVERSITY OF WISCONSIN MADISON	WI	Public	136	2.5
OHIO STATE UNIVERSITY COLUMBUS	OH	Public	132	2.5

\*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.

# Areas Served by College Board Regional Offices



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## Western Regional Office

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Mailing address:  
P.O. Box 71101  
San Juan, PR 00936-8001  
787-772-1200  
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## International Education Office

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