



2009 College-Bound Seniors

State Profile Report

MONTANA

Included in This Report

SAT® Data

SAT Subject Tests™ Data

Demographic and Academic Information

College Plans

© 2009 The College Board. All rights reserved. College Board, AP, SAT and the acorn logo are registered trademarks of the College Board. inspiring minds, SAT Subject Tests and Skills Insight are trademarks owned by the College Board. PSAT/NMSQT is a registered trademark of the College Board and National Merit Scholarship Corporation. Visit the College Board on the Web: www.collegeboard.com.

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.

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.

Table of Contents

SAT®

SAT Data	Page 1
----------	--------

Table 1: Overall Mean Scores
Table 2: Mean Scores by Gender
Table 3: Year in Which Seniors Last Took the SAT
Table 4: Mean Scores for Total Group
Table 5: Percentiles for State and Total Group
Table 6: Score Distributions
Table 7: Type of High School
Table 8: Test-Taking Conditions

Demographic Information

SAT: Mean Scores by Gender Within Ethnicity	Page 3
---	--------

Table 9: Total Mean Scores by Ethnicity
Table 10: Male Mean Scores by Ethnicity
Table 11: Female Mean Scores by Ethnicity

SAT: Student Background Information and Characteristics	Page 4
---	--------

Table 12: Student Background Information and Characteristics
--

Academic Information

Academic Record	Page 5
-----------------	--------

Table 13: High School Rank
Table 14: High School Grade Point Average
Table 15: Average Years of Study in Six Academic Subjects

Course-Taking Patterns	Page 6
------------------------	--------

Table 16: English and Language Arts, Mathematics
Table 17: Natural Sciences, Social Sciences and History
Table 18: Foreign and Classical Languages
Table 19: Arts and Music, Computers

SAT Subject Tests™

SAT Subject Tests Data	Page 10
------------------------	---------

Table 20: Number of Test-Takers and Tests for SAT Subject Tests
Table 21: Mean Scores for SAT Subject Tests and for Students Who Also Took the SAT

SAT Subject Tests Score Distributions	Page 11
---------------------------------------	---------

Table 22: English, History and Social Studies
Table 23: Mathematics, Science
Table 24: Foreign and Classical Languages
Table 25: Foreign and Classical Languages (continued)

College Plans

Intended College Major, Degree-Level Goal	Page 13
---	---------

Table 26: Intended College Major, Degree-Level Goal

Institutions That Received the Most SAT® Program Score Reports from Your Students	Page 14
---	---------

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

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	2,456	541	98	542	98	519	96	52.1	9.9	7.4	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	1,091	544	100	563	95	509	96	51.4	9.7	7.1	1.5
Female	1,365	538	97	525	97	526	96	52.7	10.0	7.5	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)	1,452	533	98	532	97	512	93	51.5	9.6	7.3	1.5
Junior (2007-2008)	991	552	97	556	99	529	100	53.1	10.2	7.5	1.4
Sophomore (2006-2007)	9	546		570		538		54.3		7.4	
Freshman (2005-2006)	4										
Total	2,456	541	98	542	98	519	96	52.1	9.9	7.4	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	600	610	580	580	600	570
50th	540	540	520	500	510	490
25th	470	480	450	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.

SAT Score Range	Critical Reading			Mathematics			Writing		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
700–800	73	78	151	78	45	123	38	53	91
600–690	267	302	569	350	282	632	166	278	444
500–590	396	530	926	398	516	914	392	515	907
400–490	281	361	642	217	406	623	363	398	761
300–390	70	89	159	48	99	147	122	112	234
200–290	4	5	9		17	17	10	9	19

Table 7: Type of High School

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Public	1,927	89	45	55	542	546	519
Religiously Affiliated	105	5	45	55	528	530	519
Independent	130	6	48	52	545	524	523
Other or Unknown	294		38	62	537	527	514

Table 8: Test-Taking Conditions

SAT	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
Standard Conditions	2,429	99	541	98	542	98	519	96
Nonstandard Conditions	27	1	529	99	506	113	514	90

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	44	2	515	82	490	81	480	79
Asian, Asian American, or Pacific Islander	63	3	514	112	582	115	494	106
Black or African American	20	1	516		485		502	
Mexican or Mexican American	21	1	521		509		512	
Puerto Rican	4	0						
Other Hispanic, Latino, or Latin American	30	1	532	77	532	118	518	92
White	2,145	87	542	98	543	97	520	96
Other	29	1	532	105	546	110	515	110
No Response	100	4	560	108	531	94	527	102
Total	2,456	100	541	98	542	98	519	96

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	20	1	505		502		482	
Asian, Asian American, or Pacific Islander	30	1	540	103	591	95	496	108
Black or African American	10	0	552		524		541	
Mexican or Mexican American	6	0	520		523		493	
Puerto Rican	1	0						
Other Hispanic, Latino, or Latin American	14	1	539		577		522	
White	950	39	544	100	565	95	509	95
Other	14	1	539		593		514	
No Response	46	2	573	96	552	91	522	96
Total	1,091	44	544	100	563	95	509	96

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	24	1	523		480		479	
Asian, Asian American, or Pacific Islander	33	1	491	115	573	130	492	103
Black or African American	10	0	479		445		462	
Mexican or Mexican American	15	1	522		503		519	
Puerto Rican	3	0						
Other Hispanic, Latino, or Latin American	16	1	526		492		515	
White	1,195	49	540	95	526	96	529	95
Other	15	1	526		502		516	
No Response	54	2	548	116	513	94	531	106
Total	1,365	56	538	97	525	97	526	96

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	2,456	100	541	98	542	98	519	96
First Language Learned								
English	2,230	94	542	97	542	98	520	96
English and Another	116	5	533	92	534	86	513	84
Another Language	35	1	469	125	567	131	477	127
No Response	75		553	107	531	108	521	99
Citizenship								
U.S. Citizen / U.S. National	2,327	99	541	97	542	97	519	96
U.S. Permanent Resident or Refugee	14	1	524		588		531	
Citizen of Another Country	17	1	441		615		446	
Other, Unknown, or No Response	98		551	102	532	107	519	103
Disabling Condition								
Yes	136	6	512	97	496	103	480	93
Unknown or No Response	2,320		542	98	545	97	521	96
Plans to Apply for Financial Aid								
Yes	1,698	76	542	97	542	97	519	94
No	151	7	527	97	542	95	507	94
Don't Know	399	18	534	104	541	105	517	105
Family Income								
\$0 - \$20,000	100	5	518	94	516	98	492	94
\$20,000–\$40,000	309	17	525	98	521	94	495	91
\$40,000–\$60,000	369	20	538	99	546	100	516	96
\$60,000–\$80,000	327	18	538	101	542	102	520	97
\$80,000–\$100,000	271	15	543	99	544	91	521	100
\$100,000–\$120,000	175	10	542	89	547	98	523	90
\$120,000–\$140,000	70	4	543	89	560	88	525	80
\$140,000–\$160,000	56	3	546	96	539	93	528	92
\$160,000–\$200,000	56	3	543	100	524	101	521	99
More than \$200,000	104	6	563	100	585	92	537	87
No Response	619		549	98	544	100	529	100
Highest Level of Parental Education								
No High School Diploma	10	0	468		468		459	
High School Diploma	616	27	507	92	511	96	485	91
Associate Degree	181	8	509	97	519	90	487	88
Bachelor's Degree	843	37	544	92	549	95	521	91
Graduate Degree	645	28	577	96	569	96	557	97
Took the PSAT/NMSQT®								
Yes, As a Junior	1,182	54	550	96	552	94	528	94
Yes, As a Sophomore or Younger	246	11	543	95	536	98	517	94
Yes, As a Junior and As a Sophomore or Younger	310	14	567	93	573	95	553	91
No	441	20	499	95	499	96	477	91

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	658	41	40	60	594	606	575
Second Tenth	448	28	43	57	540	546	518
Second Fifth	281	18	48	52	509	510	487
Final Three Fifths	203	13	55	45	469	475	444
No Response	866		45	55	527	518	504

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)	161	7	37	63	618	622	601
A (93–96)	629	27	38	62	584	592	565
A- (90–92)	533	23	40	60	552	555	527
B (80–89)	865	37	48	52	504	500	481
C (70–79)	156	7	67	33	460	462	437
D, E, or F (below 70)	6	0	67	33	465	460	453
No Response	106		49	51	540	519	511
Mean Grade Point Average	All Students: 3.49		Male: 3.38		Female: 3.57		

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	2.4	2.8	2.6	3.80	3.92	3.86
English and Language Arts	3.9	4.0	4.0	3.38	3.63	3.52
Foreign and Classical Languages	2.2	2.5	2.4	3.36	3.60	3.50
Mathematics	3.8	3.8	3.8	3.23	3.30	3.27
Natural Sciences	3.5	3.4	3.4	3.39	3.46	3.43
Social Sciences and History	3.4	3.4	3.4	3.48	3.60	3.55
Total for All Subjects	19.2	19.9	19.6			

Academic Information

Course-Taking Patterns

Table 16: English, Mathematics

English and Language Arts	Test-Takers		Percent by Gender		SAT Mean Scores			
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	112	5	34	66	568	555	551	
4 Years	1,892	87	45	55	542	545	520	
3 Years	147	7	42	58	514	510	485	
2 Years	22	1	41	59	478	485	481	
1 Year	4	0	75	25				
1/2 Year or Less	1	0	100	0				
No Response	278		45	55	539	535	520	
Course Work or Experience								
English/Language Arts	1,979	95	44	56	543	544	521	
Journalism	325	16	34	66	539	529	525	
Creative Writing	652	31	38	62	545	533	523	
American Literature	1,151	55	40	60	543	544	523	
Composition/Writing	1,059	51	41	59	536	536	517	
British Literature	338	16	41	59	562	545	538	
World Literature	659	32	41	59	552	551	530	
Communications	229	11	44	56	539	533	514	
Public Speaking	520	25	44	56	545	537	522	
English As Second Language	35	2	54	46	464	523	455	
AP®/Honors Courses	884	41	39	61	591	585	568	

Mathematics	Test-Takers		Percent by Gender		SAT Mean Scores			
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	207	9	53	47	580	609	555	
4 Years	1,401	64	45	55	547	553	525	
3 Years	509	23	39	61	518	500	494	
2 Years	61	3	36	64	471	436	459	
1 Year	4	0	50	50				
1/2 Year or Less	3	0	67	33				
No Response	271		46	54	536	535	518	
Highest Level of Mathematics Achieved*								
Calculus	668	31	50	50	588	617	564	
Pre-calculus	608	28	41	59	544	550	521	
Trigonometry	250	12	40	60	520	510	501	
Algebra II	502	23	41	59	504	480	484	
Algebra I	96	4	42	58	458	418	445	
AP/Honors Courses	719	33	47	53	588	612	562	

*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

Natural Sciences	Test-Takers		Percent by Gender		SAT Mean Scores		
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics
More Than 4 Years	189	9	51	49	580	601	555
4 Years	926	43	46	54	557	566	534
3 Years	700	33	42	58	526	519	507
2 Years	288	13	38	62	503	492	479
1 Year	40	2	55	45	538	527	504
1/2 Year or Less	5	0	40	60	422	502	408
No Response	308		45	55	539	534	518
Course Work or Experience							
Biology	2,065	97	43	57	542	544	521
Chemistry	1,623	76	44	56	550	554	528
Physics	1,019	48	52	48	563	579	538
Geology, Earth, or Space Science	1,593	75	44	56	541	542	519
Other Sciences	833	39	40	60	544	539	522
AP/Honors Courses	562	26	45	55	592	606	572

Social Sciences and History	Test-Takers		Percent by Gender		SAT Mean Scores		
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics
More Than 4 Years	77	4	44	56	563	554	533
4 Years	959	44	46	54	543	539	521
3 Years	941	44	42	58	541	548	521
2 Years	162	8	45	55	521	530	490
1 Year	16	1	50	50	524	527	507
1/2 Year or Less	3	0	33	67			
No Response	298		46	54	538	534	518
Course Work or Experience							
U.S. History	2,064	97	44	56	542	544	520
World History or Cultures	1,771	83	44	56	542	544	520
U.S. Government or Civics	1,878	88	43	57	543	545	522
Economics	300	14	46	54	545	541	526
Geography	489	23	43	57	527	524	507
Psychology	497	23	34	66	554	544	534
European History	361	17	43	57	562	552	545
Sociology	199	9	37	63	534	537	508
Ancient History	376	18	47	53	546	540	527
Other Courses	566	27	40	60	548	546	524
AP/Honors Courses	574	27	44	56	601	594	576

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	66	3	30	70	599	598	590
4 Years	366	17	42	58	584	583	566
3 Years	424	20	37	63	563	558	547
2 Years	928	43	46	54	532	535	506
1 Year	192	9	47	53	494	495	466
1/2 Year or Less	187	9	57	43	482	502	459
No Response	293		47	53	535	532	516
Course Work or Experience							
Chinese	11	1	55	45	560	617	535
French	308	15	32	68	558	551	539
German	224	11	44	56	553	555	530
Greek	13	1	38	62	590	568	593
Hebrew	1	0	100	0			
Italian	7	0	29	71	539	491	529
Japanese	9	0	78	22	597	571	529
Korean		0					
Latin	109	5	40	60	601	567	569
Russian	9	0	33	67	518	508	511
Spanish	1,450	69	43	57	543	542	522
Other Languages	20	1	30	70	560	526	536
AP/Honors Courses	148	7	39	61	620	614	602

Academic Information

Course-Taking Patterns

Table 19: Arts and Music, Computers

Arts and Music Years of Study	Test-Takers		Percent by Gender		SAT Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	167	8	35	65	571	569	556
4 Years	604	28	37	63	558	549	533
3 Years	300	14	38	62	540	532	518
2 Years	502	23	48	52	527	536	506
1 Year	522	24	54	46	530	545	508
1/2 Year or Less	71	3	49	51	530	525	503
No Response	290		47	53	535	531	516
Course Work or Experience							
Acting or Play Production	464	22	33	67	561	542	539
Art History or Appreciation	403	20	38	62	539	532	518
Dance	173	8	10	90	542	527	524
Drama: Study or Appreciation	332	16	31	69	554	539	533
Music: Study or Appreciation	262	13	40	60	562	550	544
Music Performance	1,181	57	40	60	557	553	534
Photography or Film	419	20	38	62	542	537	525
Studio Art and Design	509	25	37	63	546	544	525
None	204	10	51	49	507	520	487
AP/Honors Courses	126	6	35	65	589	573	566

Computers Course Work or Experience	Test-Takers		Percent by Gender		SAT Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Computer Literacy	1,488	73	44	56	546	546	524
Computer Programming	334	16	54	46	528	540	509
Word Processing	1,664	81	43	57	544	543	521
Internet Activity	1,204	59	45	55	546	545	524
Using Computer Graphics	798	39	49	51	543	552	523
Creating Spreadsheets/Databases	891	43	45	55	548	555	525
None	137	7	36	64	548	552	534

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
224	585	181	648	648	627

Students Who Took One or More Different SAT Subject Tests		
Number of Tests Taken	Number of Test-Takers	Percent of Total Test-Takers Who Took One or More Tests
1	10	4
2	90	40
3	109	49
4 or More	15	7

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
English										
Literature	112	619	113	85	658	86	623	87	637	87
History and Social Studies										
U.S. History	94	622	117	76	668	85	630	90	638	96
World History	14	600		11	691		644		643	
Mathematics										
Mathematics Level 1	81	596	116	55	612	95	636	90	593	91
Mathematics Level 2	121	664	98	106	657	92	683	72	639	95
Science										
Biology-E	24	598		18	613		609		588	
Biology-M	30	655	92	25	680	77	695	74	674	62
Chemistry	53	620	97	45	680	92	700	76	662	95
Physics	26	634	97	22	653		686		584	
Foreign and Classical Languages										
Chinese/Listening										
French	4			4						
French/Listening	2			1						
German	1			1						
German/Listening	2			2						
Modern Hebrew										
Italian	1			1						
Japanese/Listening										
Korean/Listening	3			3						
Latin										
Spanish	14	536		13	638		647		649	
Spanish/Listening	3			3						

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	16	14	12	13	1	7
700-740	19	17	26	28	2	14
650-690	19	17	13	14	2	14
600-640	15	13	9	10	3	21
550-590	14	13	10	11	1	7
500-540	9	8	7	7	2	14
450-490	8	7	5	5	3	21
400-440	8	7	8	9		
350-390	3	3	4	4		
300-340	1	1				
250-290						
200-240						
Total	112		94		14	
Mean	619		622		600	
SD	113		117			
75th percentile	710		710			
50th percentile	640		660			
25th percentile	540		530			

Table 23: Mathematics, Science

SAT Subject Tests	Mathematics				Science							
	Mathematics Level 1		Mathematics Level 2		Biology-E		Biology-M		Chemistry		Physics	
	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct
750-800	3	4	30	25	1	4	4	13	6	11	4	15
700-740	17	21	22	18	7	29	8	27	4	8	2	8
650-690	14	17	14	12	2	8	5	17	12	23	6	23
600-640	9	11	24	20	4	17	7	23	10	19	6	23
550-590	10	12	14	12	1	4	2	7	9	17	3	12
500-540	11	14	13	11	2	8	1	3	4	8	2	8
450-490	6	7	2	2	4	17	2	7	6	11	2	8
400-440	7	9	1	1	2	8	1	3	2	4	1	4
350-390	2	2	1	1	1	4						
300-340	2	2										
250-290												
200-240												
Total	81		121		24		30		53		26	
Mean	596		664		598		655		620		634	
SD	116		98				92		97		97	
75th percentile	690		740		710		720		680		680	
50th percentile	600		660		620		650		620		640	
25th percentile	510		590		480		600		560		580	

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												
700-740			1	25								
650-690			2	50								
600-640					1	50			1	50		
550-590							1	100				
500-540			1	25	1	50						
450-490									1	50		
400-440												
350-390												
300-340												
250-290												
200-240												
Total			4		2		1		2			
Mean												
SD												
75th percentile												
50th percentile												
25th percentile												

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	100			1	7		
700-740	1	100									1	33
650-690									2	14	2	67
600-640									1	7		
550-590									1	7		
500-540									4	29		
450-490									4	29		
400-440												
350-390												
300-340									1	7		
250-290												
200-240												
Total	1				3				14		3	
Mean									536			
SD												
75th percentile												
50th percentile												
25th percentile												

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	21	1	505	499	470
Architecture and Related Services	41	2	560	580	541
Area, Ethnic, Cultural and Gender Studies	2	0			
Biological and Biomedical Sciences	113	6	568	564	548
Business Management, Marketing, and Related Support Services	157	8	493	510	481
Communication, Journalism and Related Programs	63	3	563	522	547
Computer and Information Sciences and Support Services	41	2	562	577	519
Construction Trades	3	0			
Education	105	6	502	505	496
Engineering	223	12	563	603	522
Engineering Technologies/Technicians	22	1	520	541	465
English Language and Literature/Letters	41	2	632	573	607
Family and Consumer Sciences/Human Sciences	6	0	540	520	553
Foreign Languages, Literatures, and Linguistics	28	2	593	548	578
Health Professions and Related Clinical Services	357	19	513	524	503
History	27	1	550	526	516
Legal Professions and Studies	42	2	578	542	550
Liberal Arts and Sciences, General Studies, and Humanities	26	1	588	550	554
Library Science/Librarianship					
Mathematics and Statistics	13	1	582	656	566
Mechanic and Repair Technologies/Technician	15	1	431	477	404
Military Sciences	4	0			
Multi/Interdisciplinary Studies	3	0			
Natural Resources and Conservation	31	2	535	554	519
Parks, Recreation, Leisure and Fitness Studies	10	1	482	499	480
Personal and Culinary Services	12	1	505	503	490
Philosophy and Religious Studies	11	1	567	563	519
Physical Sciences	39	2	620	627	575
Precision Production					
Psychology	78	4	547	507	513
Public Administration and Social Services Professions	6	0	505	482	468
Security and Protective Services	13	1	465	488	456
Social Sciences	46	2	599	575	577
Theology and Religious Vocations	9	0	556	539	500
Transportation and Materials Moving	5	0	496	530	434
Visual and Performing Arts	158	8	547	531	530
Other	23	1	520	522	509
Undecided	68	4	542	545	530
Degree-Level Goal					
Certificate Program	23	1	474	484	452
Associate Degree	43	2	463	487	448
Bachelor's Degree	687	31	515	515	494
Master's Degree	607	27	551	561	527
Doctoral or Related Degree	422	19	577	580	551
Other	10	0	494	468	476
Undecided	450	20	539	534	523

College Plans

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

Of the 2,499 students from your state who took the SAT and/or an SAT Subject Test, 1,865 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 855 institutions received score reports from your students.

Institution	State	Type	Number of Students	Percent of Score Senders*
MONTANA STATE UNIVERSITY	MT	Public	877	47.0
UNIVERSITY OF MONTANA	MT	Public	826	44.3
CARROLL COLLEGE MONTANA	MT	Private	223	12.0
UNIVERSITY OF WASHINGTON	WA	Public	141	7.6
MONTANA TECH OF UNIVERSITY MONTANA	MT	Public	138	7.4
MONTANA STATE UNIVERSITY BILLINGS	MT	Public	128	6.9
WASHINGTON STATE UNIVERSITY	WA	Public	127	6.8
GONZAGA UNIVERSITY	WA	Private	125	6.7
UNIVERSITY OF OREGON	OR	Public	110	5.9
NCAA ELIGIBILITY CENTER	IN	Public	101	5.4
STANFORD UNIVERSITY	CA	Private	100	5.4
MONTANA AGATE	MT	Scholarship	90	4.8
SEATTLE UNIVERSITY	WA	Private	75	4.0
UNIVERSITY OF MONTANA WESTERN	MT	Public	75	4.0
ROCKY MOUNTAIN COLLEGE	MT	Private	70	3.8
FLATHEAD VALLEY COMMUNITY COLLEGE	MT	Public	68	3.6
CONCORDIA COLLEGE MOORHEAD MN	MN	Private	61	3.3
UNIVERSITY OF IDAHO	ID	Public	59	3.2
WHITWORTH UNIVERSITY	WA	Private	58	3.1
COLLEGE OF TECHNOLOGY UNIVERSITY OF MONT	MT	Public	57	3.1
WESTERN WASHINGTON UNIVERSITY	WA	Public	56	3.0
NATIONAL MERIT SCHOLARSHIP PROGRAM	IL	Scholarship	55	2.9
OREGON STATE UNIVERSITY	OR	Public	54	2.9
UNIVERSITY OF PORTLAND	OR	Private	54	2.9
COLORADO STATE UNIVERSITY FT COLLINS	CO	Public	50	2.7
UNIVERSITY OF PUGET SOUND	WA	Private	49	2.6
UNIVERSITY OF COLORADO BOULDER	CO	Public	46	2.5
HARVARD UNDERGRADUATE ADMISSIONS	MA	Private	44	2.4
ARIZONA STATE UNIVERSITY	AZ	Public	44	2.4
PORTLAND STATE UNIVERSITY	OR	Public	42	2.3
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	MA	Private	41	2.2
BOISE STATE UNIVERSITY	ID	Public	41	2.2
EASTERN WASHINGTON UNIVERSITY	WA	Public	40	2.1
PRINCETON UNIVERSITY	NJ	Private	40	2.1
LEWIS AND CLARK COLLEGE	OR	Private	39	2.1
YALE UNIVERSITY	CT	Private	39	2.1
UNIVERSITY OF GREAT FALLS	MT	Private	39	2.1
PACIFIC LUTHERAN UNIVERSITY	WA	Private	37	2.0
WILLAMETTE UNIVERSITY	OR	Private	37	2.0
SEATTLE PACIFIC UNIVERSITY	WA	Private	36	1.9
MONTANA STATE UNIVERSITY NORTHERN	MT	Public	36	1.9
UNIVERSITY OF ARIZONA	AZ	Public	34	1.8
WHITMAN COLLEGE	WA	Private	33	1.8
UNIVERSITY OF SOUTHERN CALIFORNIA	CA	Private	32	1.7
UNIVERSITY OF DENVER	CO	Private	31	1.7

*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



National Office

45 Columbus Avenue
New York, NY 10023-6992
212-713-8000
212-713-8255 (Fax)

Middle States Regional Office

Three Bala Plaza East, Suite 501
Bala Cynwyd, PA 19004-1501
866-392-3019
610-227-2580 (Fax)

Midwestern Regional Office

6111 N. River Road, Suite 550
Rosemont, IL 60018-5158
866-392-4086
847-653-4528 (Fax)

New England Regional Office

1601 Trapelo Road, Suite 12
Waltham, MA 02451-7333
866-392-4089
781-663-2743 (Fax)

Southern Regional Office

3700 Crestwood Parkway NW, Suite 700
Duluth, GA 30096-7155
866-392-4088
770-225-4062 (Fax)

Southwestern Regional Office

4330 Gaines Ranch Loop, Suite 200
Austin, TX 78735-6735
866-392-3017
512-721-1841 (Fax)

Western Regional Office

2099 Gateway Place, Suite 550
San Jose, CA 95110-1051
866-392-4078
408-367-1459 (Fax)

Puerto Rico and Latin America Office

208 Ponce de León Avenue, Suite 1501
San Juan, PR 00918-1017
Mailing address:
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)

International Education Office

1233 20th Street NW, Suite 600
Washington, DC 20036-2375
202-741-4700
202-741-4745 (Fax)

Washington Office

1233 20th Street NW, Suite 600
Washington, DC 20036-2375
202-741-4700
202-741-4743 (Fax)

Florida Office

1545 Raymond Diehl Road, Suite 250
Tallahassee, FL 32308-1500
850-521-4900
850-521-4921 (Fax)

New York State Office

122 South Swan Street
Albany, NY 12210-1715
518-472-1515
518-472-1516 (Fax)