

Shrewsbury High School Testing Report

2022-2023 School year



**Presented to the School Committee
November 29, 2023**

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Shrewsbury High School Testing Report Class of 2023

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Summary Statements

College Board Testing Administration and Score Reporting Changes

- Beginning in 2021, the SAT eliminated optional exams including the SAT Essay and SAT Subject tests.
- Recent surveys of college admissions indicate approximately 80% of colleges and universities are “test-optional” and nearly 100 are “test-blind”.
- The 2023 SAT program results show that 1.9 million students in the high school class of 2023 took the SAT at least once, up from the 1.7 million in the class of 2022.

College Board SAT:

Page 6

Average Scores—1600 scale (Figures 1)

- The reporting of the redesigned SAT is in its sixth year. The score is based on two section scores: Evidence Based Reading & Writing and Math with a score range from 200-800. As a result of the redesigned SAT, scores are not directly comparable to the old SAT.
- Based on the 1600 scale, Shrewsbury’s SAT score of 1217 remains well above the state (1112) and national averages (1028).
- From 2022, the average scores in Evidence-Based Reading & Writing decreased by 5 points, and in Math decreased by 7 points.
- In the spring of 2020, students took the SAT online however in the fall of 2020, the SAT was offered only in-person.

Page 6-7

SAT: Individual Critical Reading, and Math Scores & Participation Rate

- On each individual section, Shrewsbury’s scores are:
 - Math = 612 (Figure 2)
 - Evidence-Based Reading & Writing = 604 (Figure 3)
- The SAT participation rate for the Class of 2023 is 80%,N=349 test takers. (Figure 4)
- The SAT participation rate for the Class of 2022 is 81%,N=372 test takers.
- The national participation rate in 2023 is 1.9 million, increasing from 1.7 million in 2022 to 1.5 million in 2021.
- The participation rate in Massachusetts was 44,441 an increase from the 43,576 test takers in 2022.
- Prior to the pandemic, 2.1 million students participated in SAT in 2018, while 2.2 million students participated in the SAT during 2019 and 2020.

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SAT: Critical Reading, Math scores by Gender (Figure 5)

- In the Evidence-Based Reading & Writing and Math scores, Shrewsbury females and males scored higher than the state and national trends.
- Shrewsbury females scored lower than males scored on the Evidence-Based Reading & Writing section of the SAT (F/M – 597/613) similar to the state (M/F –561/558) and unlike the national trend with females scoring higher (F/M - 523/517). Shrewsbury females scored lower than males (F/M – 594/636) in the Math section also similar to state (F/M – 539/565) and national (F/M – 500/515) trends.
 - Evidence-Based Reading & Writing (F – 597; M – 613)

- o Math (F – 594; M – 636)

Page 9-11

SAT: Critical Reading, Math scores by Race/Ethnicity (Figures 6, 7, 8)

- Students self-report race/ethnicity to the College Board. Percentages by race/ethnicity of the SHS students who took the SAT are noted below with their average scores
 - o Asian students’ average scores (31% of SHS test takers):
 - Evidenced Based Reading & Writing: 644
 - Math: 671
 - o Hispanic/Latino students’ average scores (8% of SHS test takers):
 - Evidence-Based Reading & Writing: 541
 - Math: 520
 - o Black/African American student’s average scores (3% of SHS test takers):
 - Evidence-Based Reading & Writing: 576
 - Math: 560
 - o White students’ average scores (52% of SHS test takers):
 - Evidence-Based Reading & Writing: 592
 - Math: 596
 - o Students who did not report Race/Ethnicity (3% of SHS test takers):
 - Evidenced-Based Reading & Writing: 600
 - Math: 565
 - o <3% (less than 10 total students) of SHS test takers self-reported Multi-race; as a result of the small sample size of this group College Board did not report scores for the group to protect their anonymity

Advanced Placement Exams:

Page 12

Appropriate Grade Levels for AP Courses

- The College Board does not recommend students in the 9th grade for AP courses. Instead, students should “develop the necessary skills and conceptual understandings in foundational courses prior to enrolling in AP.”
- Nationally, 78% of all AP Exams were taken by juniors and seniors.
- In the class of 2023, 23% of Shrewsbury students took three or more exams in their senior year.

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Participation Rates (Figure 9)

- The number of exams administered decreased by sixty exams to a total of 916 exams. The number of students who took AP exams decreased by twelve students.
- The total number of students who took at least one AP exam is 436.
 - o The number of seniors who participated in an AP exam is 256.
 - o The number of Juniors who participated in an AP exam is 174.
 - o The number of sophomores who participated in an AP exam is 6.
 - o The number of freshmen who participated in an AP exam is 0.
 - o Sophomores and freshmen who participated in exams did so through self-study, not through an SHS course
- **Fifty-four percent (59%) of the students in the Class of 2023 took at least one AP exam during their high school years.**

Page 14 **AP Scores by Subgroups as Self-Reported to the College Board (Figure 10)**

Page 15-16 **Average Scores—Shrewsbury High School and Nationally (Figure 11 & 12)**

- Scored on a scale of 1 – 5, the average AP Exam scores of Shrewsbury students are particularly impressive. All but two of the seventeen AP courses at Shrewsbury had an average score above 3.0 — and seven had an average score of 4.0 and above. *All of the average AP exam scores were above the state and national averages.*

Pages 17-18 **Exam Results—Shrewsbury High School**

- The percentage of students in the Class of 2023 scoring 3 or above is 83%.
- Eight out of the seventeen AP courses offered at Shrewsbury had at least 90% of their students scoring at a 3 or above.
- Thirty-one percent (31%) of the exams administered resulted in a score of 5—the highest possible score available.

Page 19 **Scholars/AP School Honor Roll**

- The total number of AP scholars in 2021 is 173.
- Additionally, the College Board has added Honor Roll for qualifying schools and SHS was awarded the “Bronze” designation.

PSAT/NMSQT

Page 20 - 21 **National Merit Scholarship Program**

- Three students from the Class of 2023 were named National Merit Finalists and one student was a Scholarship Recipient.

Scores for the Redesigned SAT begin with the 2017 year in the following 3 charts.

SAT: Evidenced Based Reading & Writing and Math Combined Score (1600 Score)

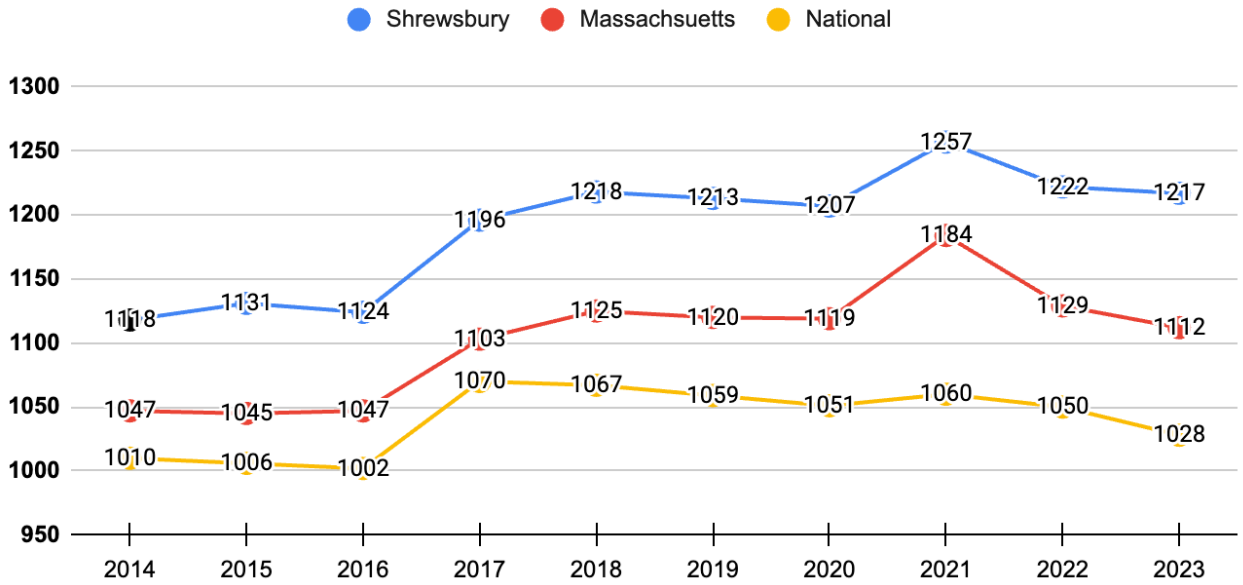


Figure 1

SAT Math Score (800 Score)

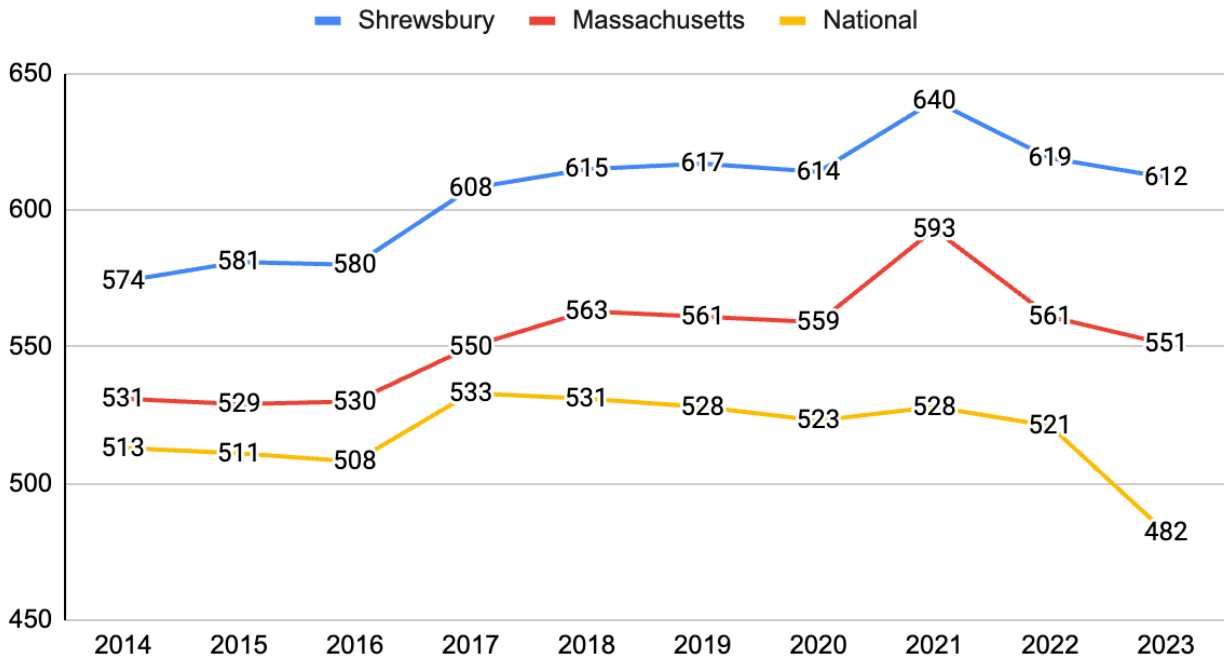
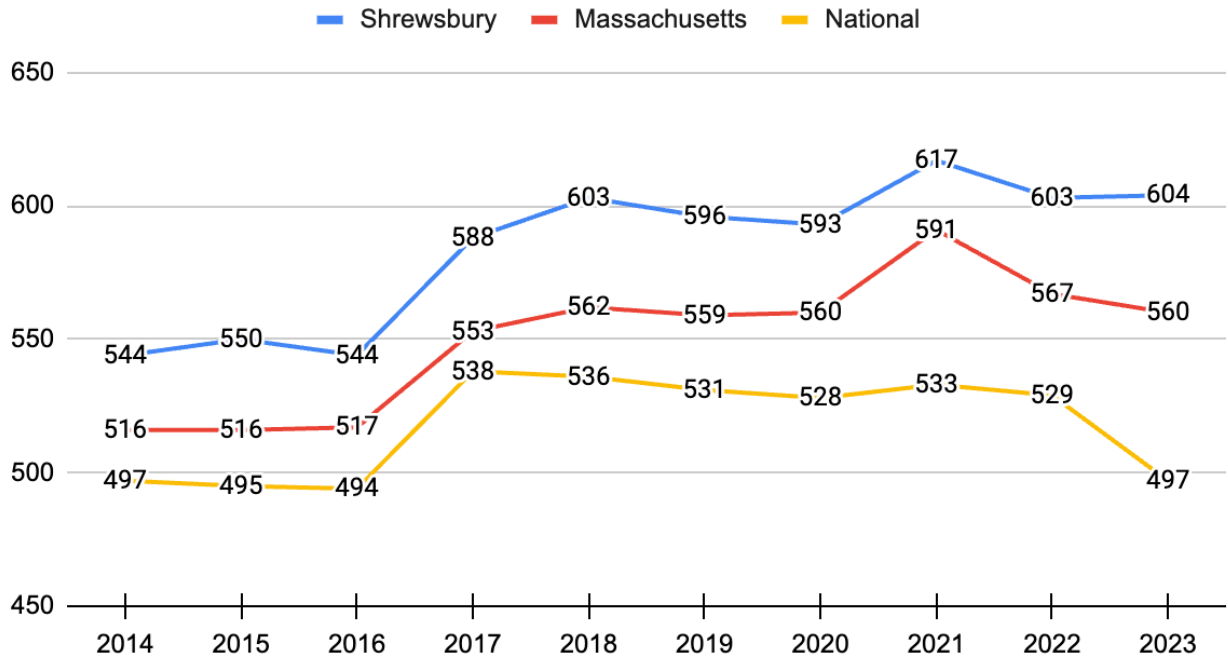


Figure 2

Figure 3

SAT: Evidenced Reading & Writing (800 Score)



Participation Rate

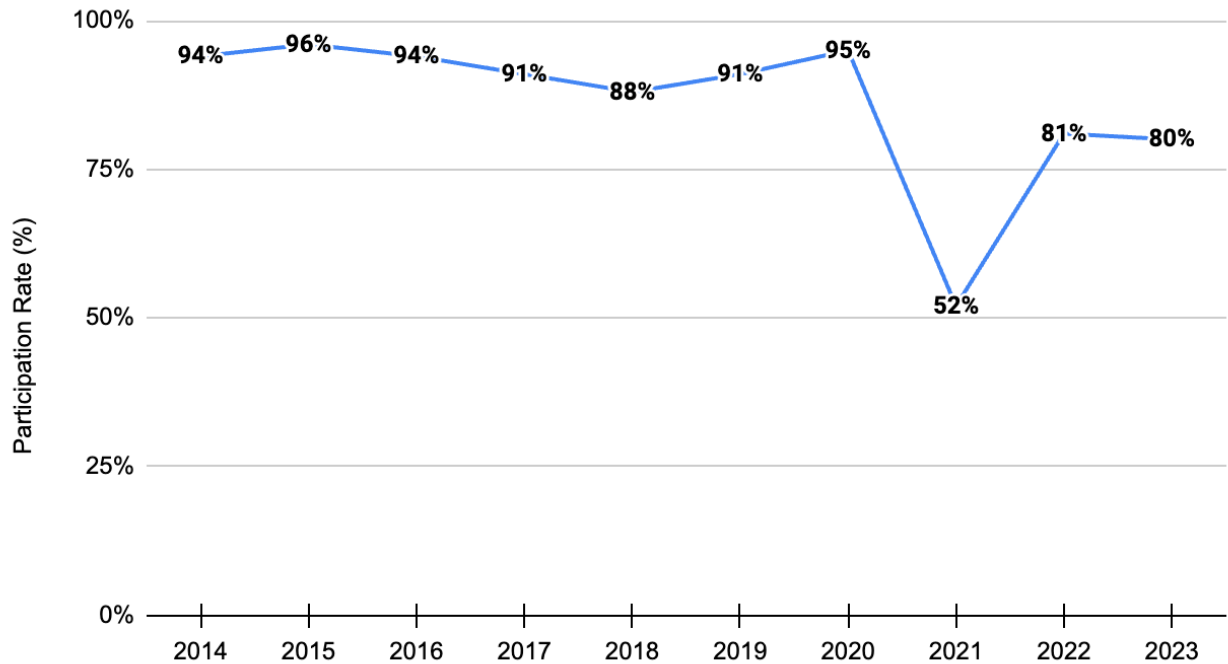


Figure 4

**Evidenced-Based Reading & Writing, and Math Scores by Gender
Shrewsbury High School, Massachusetts, and Nationally**

E-B Reading & Writing	SHS	Massachusetts	National
Males	613	561	517
Females	597	558	523
Male-to-Female Difference	+16	+3	-6
Math	SHS	Massachusetts	National
Males	636	565	515
Females	594	539	500
Male-to-Female Difference	+42	+26	+15

**SAT—Scores by Gender 2023
Shrewsbury High School**

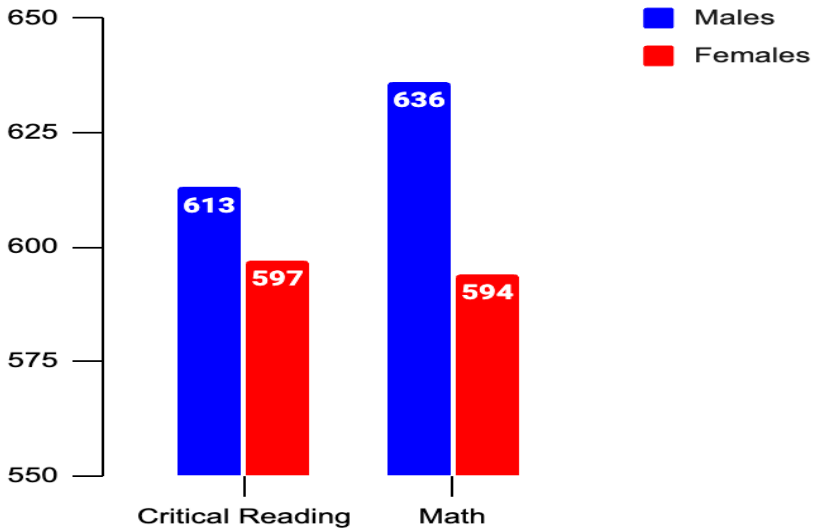


Figure 5

Evidenced-Based Reading & Writing, and Math Scores by Race/Ethnicity Shrewsbury High School

Race/Ethnicity*	Percent	Combined	EBRW	Math
Asian	31%	1315	644	671
Black/African American	3%	1136	576	560
Hispanic/Latino	8%	1060	541	520
White	52%	1188	592	596
Multi-race	n/a	n/a	n/a	n/a
No response	3%	1165	600	565

*Self-reported by students to the College Board

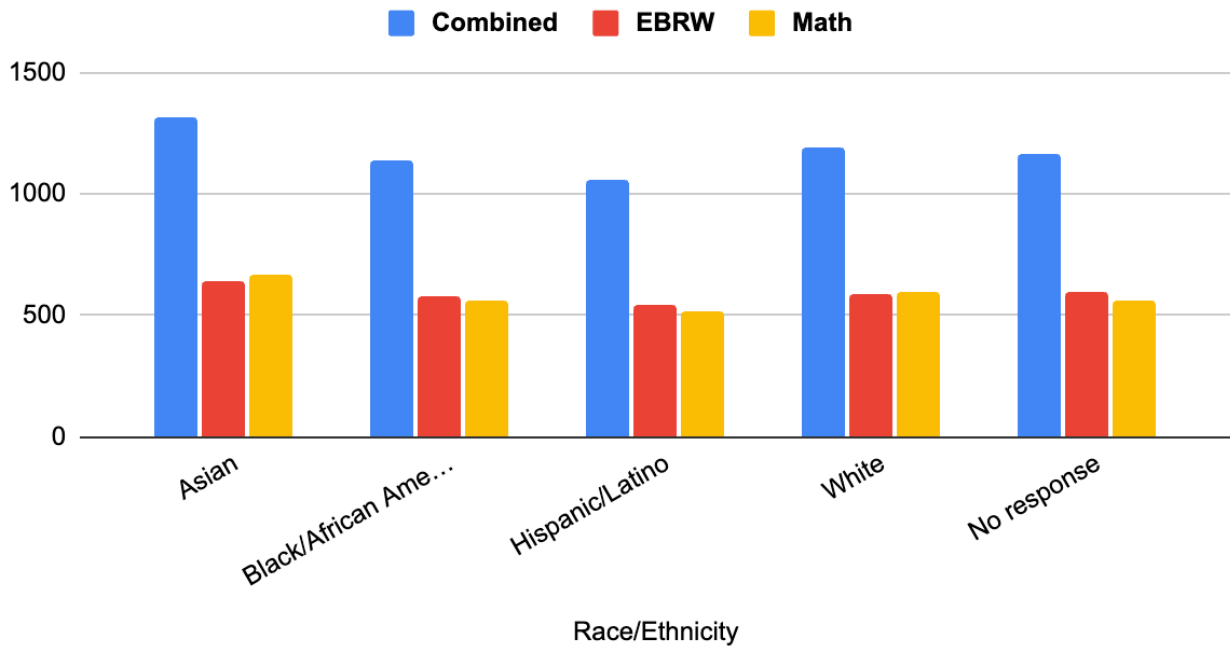


Figure 6

Evidenced-Based Reading & Writing, and Math Scores by Race/Ethnicity Massachusetts

Race/Ethnicity*	Percent	Combined	EBRW	Math
Asian	11%	1260	614	646
Black/African American	7%	971	492	479
Hispanic/Latino	14%	987	499	488
White	57%	1149	582	567
Multi-race	4%	1172	593	579
No response	7%	955	481	473

*Self reported by students to the College Board

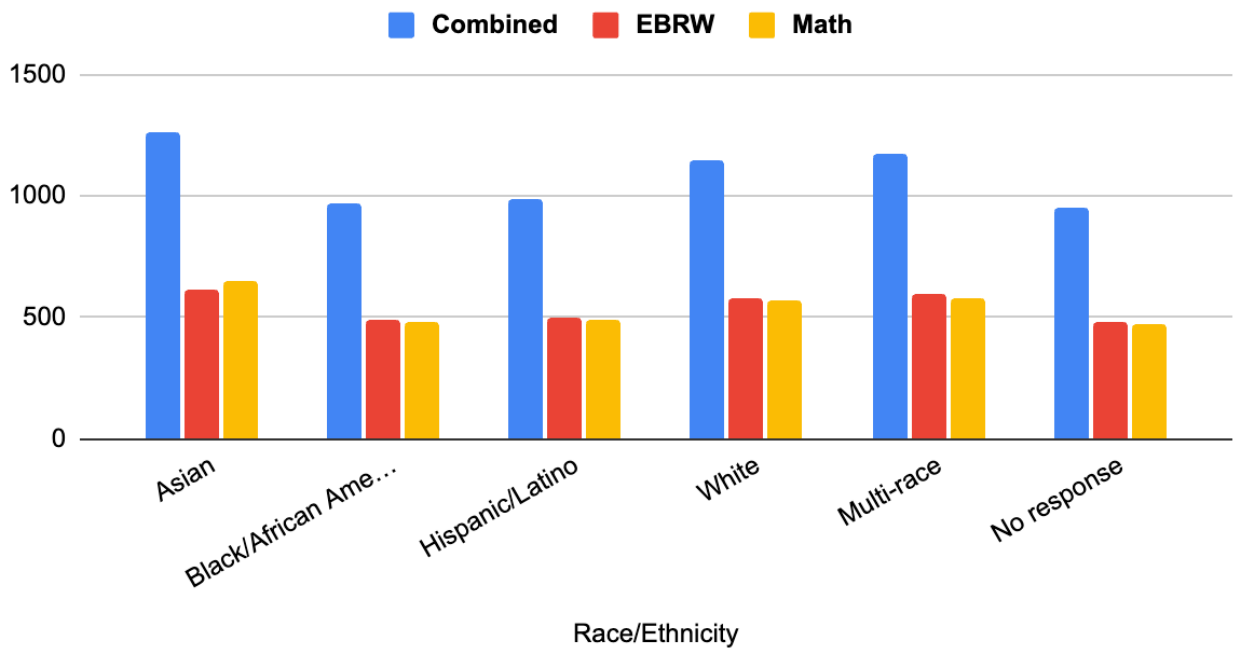


Figure 7

Evidenced-Based Reading & Writing, and Math Scores by Race/Ethnicity National

Race/Ethnicity*	Percent	Combined	EBRW	Math
Asian	10%	1219	593	626
Black/African American	12%	908	466	441
Hispanic/Latino	24%	943	482	461
White	39%	1082	550	532
Multi-race	4%	1091	556	535
No response	10%	955	478	477

*Self reported by students to the College Board

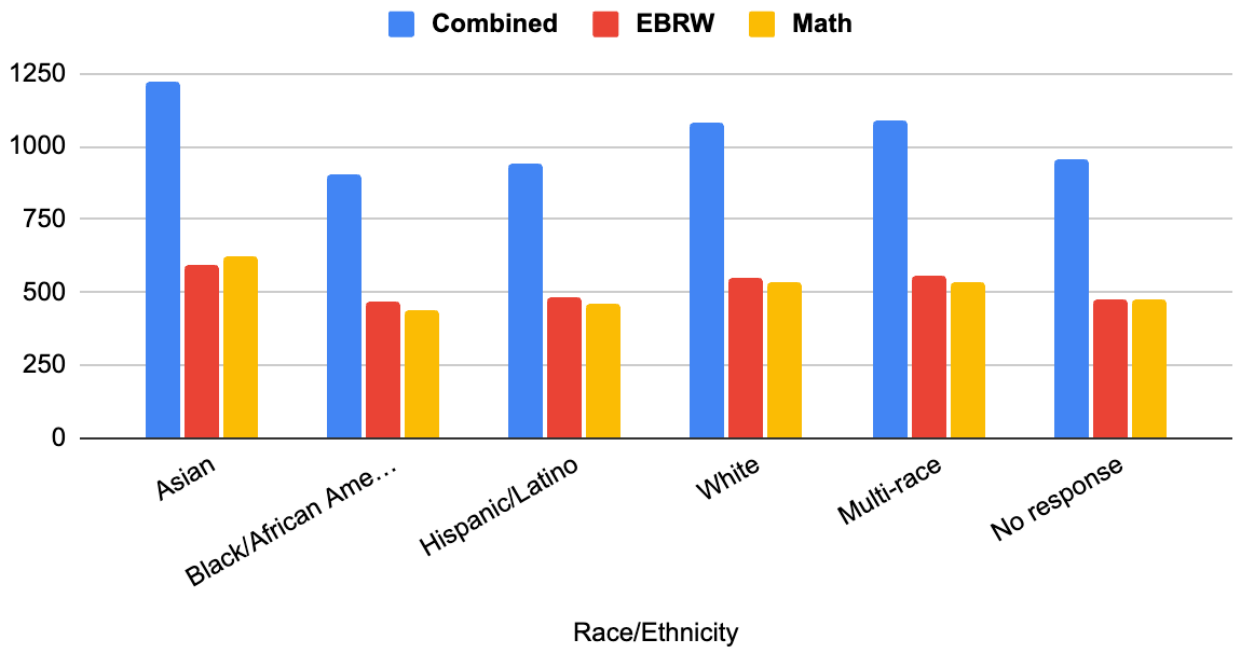


Figure 8

Advanced Placement Program

The Advanced Placement (AP) Program consists of a series of college-level courses and exams for secondary school students. Satisfactory completion of an AP Exam makes it possible for a student to earn college credit or advanced standing in college prior to arrival on the college campus. AP Exams are rigorous, multiple-component tests that are administered each May.

Of the 435 students in the Class of 2023, 256 students (59% of the class) took at least one AP Exam, out of 436 total SHS students who took an exam. Overall, 916 exams were administered to participating SHS students in 2023.

The following AP courses were offered during the 2022 – 2023 school year:

Biology	French Language
Calculus AB	Human Geography
Calculus BC	Psychology
Chemistry	Physics 1
Chinese Language	Physics C: Mechanics
English Language	Spanish Language
English Literature	Statistics
Environmental Science	Studio Art Drawing
	U.S. History

Appropriate Grade Levels for AP Courses

The College Board's policy related to the appropriate grade levels for AP courses has shifted. In 2016, it stated that "Student performance on AP exams illustrate that in many cases, AP courses are best positioned as part of a student's 11th and 12th grade academic experience. Some subject areas, however, such as World History and European History, can be successfully offered to academically prepared 10th grade students." However, the College Board's current policy removed the language specific to recommending waiting until 11th and 12th grade to take AP courses, while keeping the language that it "recognizes the autonomy of secondary schools and districts in setting the AP course participation policies that best meet their students' unique needs and learning goals. At the same time, AP courses are specifically designed to provide challenging, college-level coursework for willing and academically prepared high school students. Educators should be mindful of the following when considering offering AP to younger students. AP courses are rarely offered in 9th grade, and exam results show that, for the most part, 9th grade students are not sufficiently prepared to participate in a college-level course. Therefore, the College Board believes these students would be better served by coursework focusing on the academic building blocks necessary for later, successful enrollment in college-level courses. Many college admissions officers support this position, feeling that students should not be rushed into AP coursework, but should instead develop the necessary skills and conceptual understandings in foundational courses prior to enrolling in AP."

The College Board is now clearly promoting some AP coursework in earlier grades, as its new AP School Honor Roll, includes a criterion for taking at least one AP course in 9th or 10th grade "so that students are spreading their AP experience across grades rather than feeling disproportionate pressure in any single year." However, some critics believe that the College Board is promoting more AP courses at earlier grades for financial reasons. SHS will continue to review its policy of reserving AP coursework for 11th and 12th grades.

Advanced Placement Participation Rates

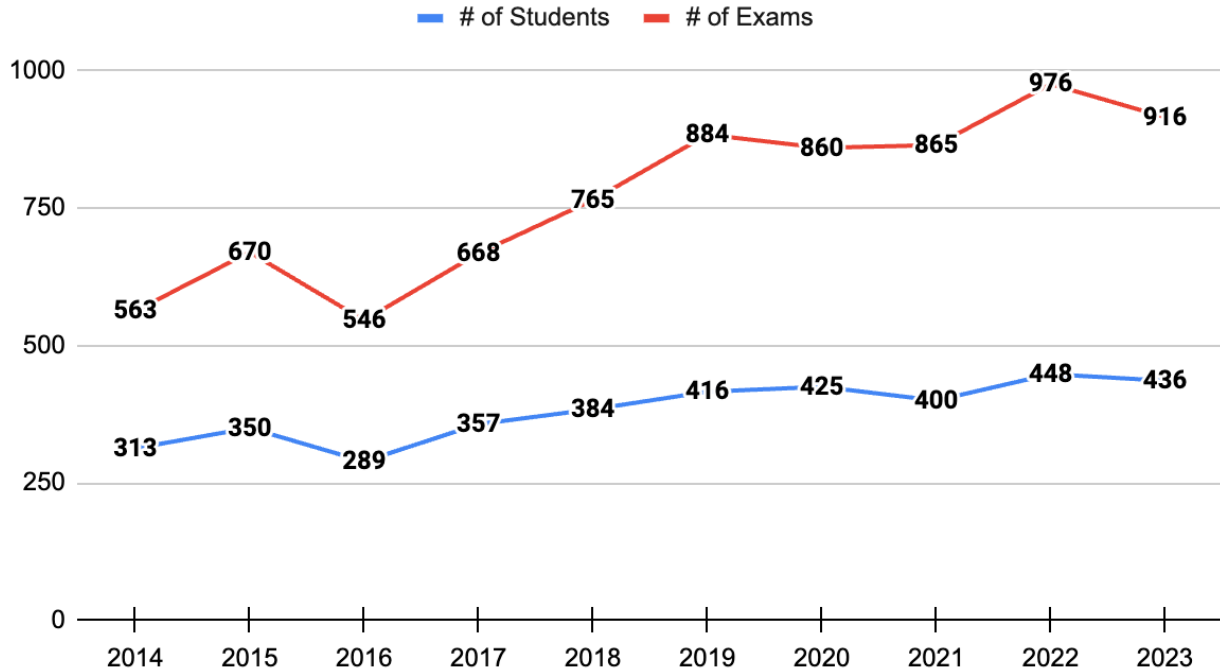


Figure 9

Of all the SHS students taking AP Exams, the percentage of students in each grade level is indicated below.

9th grade	0%
10th grade	<2%
11th grade	40.0%
12th grade	59.0%

# of Exams Taken by Students	SHS %	SHS # of Students Taking Exams
1	35.0%	165
2	30.0%	124
3	23.0%	101
4	8.0%	31
5 or more	4.0%	15

AP Scores by Subgroups as Self-Reported to the College Board

Category	# of Students	# of Exams	Mean Score	Total # of Juniors & Seniors
Race/Ethnicity				
American Indian or Alaska Native	n/a	n/a	n/a	n/a
Asian	190	478	3.74	186
Black/African American	18	27	3.63	18
Hispanic or Latino	26	43	3.63	26
White	170	299	3.66	169
Two or more races, non-Hispanic	15	29	3.93	15
No response	17	40	4.25	16
English Learners/Former English Learners	<5	Not reported	Not reported	Not reported
Students with Disabilities	<5	Not reported	Not reported	Not reported
Low Income (Fee Reduction Granted)	33	57	3.54	33
Gender				
Male	183	408	3.79	178
Female	251	504	3.68	250
Another response	<5	Not reported	Not reported	Not reported

Figure 10

**Advanced Placement Exams 2023
Average Scores
Shrewsbury High School, Massachusetts, and Nationally**

	# of Tests Taken	SHS	Mass	National
Biology	75	3.52	3.27	3.04
Calculus AB	48	3.54	3.04	2.99
Calculus BC	39	4.05	3.87	3.76
Chemistry	28	4.46	3.49	3.27
Chinese Language	10	2.90	4.04	4.05
Drawing	11	4.27	3.41	3.47
English Language	127	3.71	2.98	2.82
English Literature	50	4.26	3.51	3.26
Environmental Sci	31	3.74	2.98	2.79
French Language	10	4.0	3.41	3.20
Human Geography	77	3.82	2.91	2.75
Physics C	41	3.73	3.51	3.41
Physics 1	47	2.34	2.50	2.55
Psychology	118	4.13	2.94	2.89
Spanish Language	15	4.27	3.58	3.56
Statistics	97	3.78	2.94	2.88
US History	52	3.40	2.88	2.54

Figure 11

AP Average Scores: Shrewsbury, Massachusetts, & National

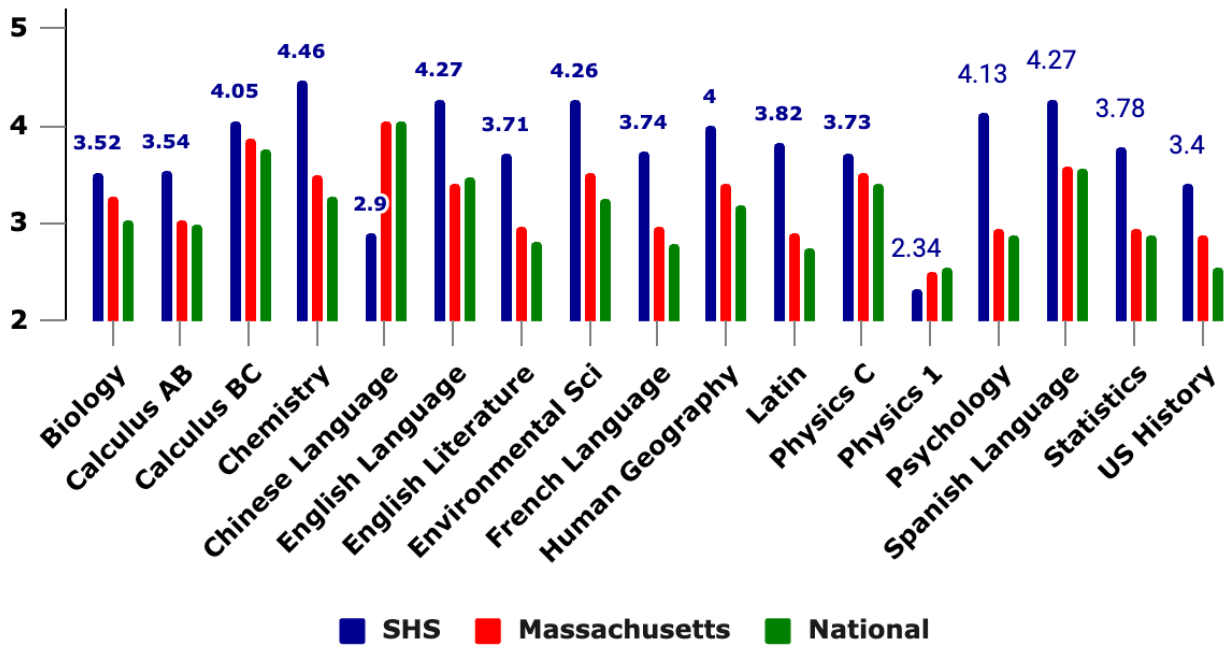


Figure 12

2023 Advanced Placement Exam Results

	1	2	3	4	5	# of tests administered	2023 % scoring 5	2023 % scoring 4 or above	2023 % scoring 3 or above	2022 % scoring 3 or above
Biology	1	10	26	25	13	75	17	50	85	94%
Calculus AB	2	10	9	14	13	48	27	56	75	77%
Calculus BC	0	1	11	12	15	39	38	69	97	91%
Chemistry	0	0	2	11	15	28	54	93	100	97%
Chinese Language	2	1	4	2	1	10	10	30	70	100%
Drawing	0	0	2	4	5	11	45	81	100	100%
English Language	1	19	33	37	37	127	29	58	84	89%
English Literature	0	0	9	19	22	50	44	82	100	97%
Environmental Science	0	3	8	14	6	31	19	64	90	92%
French Language	0	0	3	4	3	10	30	70	100	100%
Human Geography	7	6	14	17	33	77	43	65	83	93%
Physics C	1	4	8	20	8	41	20	69	89	85%
Physics 1	8	24	7	7	1	47	2	17	32	56%
Psychology	4	7	11	44	52	118	44	81	90	88%
Spanish Language	0	0	2	7	6	15	40	87	100	84%
Statistics	3	10	23	30	31	97	32	63	87	82%
US History	2	10	17	11	12	52	23	44	77	65%
VHS/Self Study	4	6	10	11	9	40	23	50	75	N/A
Totals	35	111	199	289	282	916	31	63	85	85%

Figure 13

Quick AP Highlights:

- The number of students taking AP exams is 436 (12 fewer than last year).
- The number of AP exams administered is 916 (60 fewer than last year).
- 59% of seniors took at least one AP exam, a particularly high percentage compared to most high schools.
- 31% of the exams administered resulted in a score of 5—the highest possible score available.
- 40 VHS or self-study exams were taken

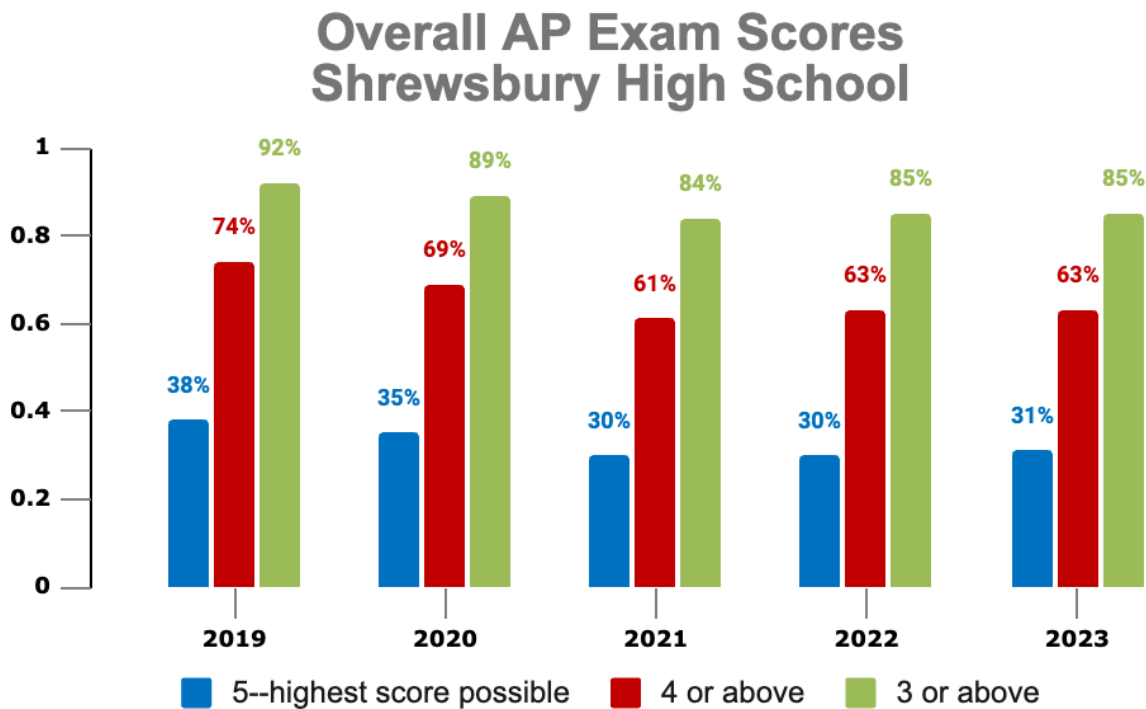


Figure 14

Advanced Placement Scholars

The AP Program offers several AP Scholar Awards to recognize high school students who have demonstrated college-level achievement through AP courses and exams. Although there is no monetary award, in addition to receiving an award certificate, this achievement is acknowledged on any AP Score Report that is sent to colleges the following fall.

Award Levels 2023

AP Scholar: Granted to students who receive scores of 3 or higher on three or more AP Exams over the course of their time in high school.

AP Scholar with Honor: Granted to students who receive an average score of at least 3.25 on all AP Exams taken, **and** scores of 3 or higher on four or more of these exams.

AP Scholar with Distinction: Granted to students who receive an average score of at least 3.5 on all AP Exams taken, **and** scores of 3 or higher on five or more of these exams.

Year	AP Scholar	AP Scholar w/Honors	AP Scholar w/Distinction	AP National Scholar	Total # of AP Scholars
2023	78	31	64	Discontinued	173
2022	81	26	67	Discontinued	174
2021	71	45	56	Discontinued	172
2020	58	34	72	3	167
2019	69	34	64	5	172
2018	66	20	49	6	141
2017	46	18	37	4	105
2016	47	21	33	6	107
2015	48	39	37	2	124
2014	29	25	31	1	85
2013	41	26	31	1	98
2012	19	25	44	2	88

The AP School Honor Roll

The [AP School Honor Roll](#) is a prestigious annual recognition program that celebrates schools whose AP programs have done outstanding work to welcome students into AP courses and support them on the path to college success.

- How to earn this recognition: Schools are included on the honor roll based on criteria that reflect a commitment to increasing college-going culture, providing opportunities for students to earn college credit, and maximizing college outcomes.
- Recognition tiers: There will be four tiers to the recognition program: bronze, silver, gold, and platinum. Each tier reflects a school’s ability to meet criteria anchored in research-based relationships between AP and college outcomes.
- Equity and Inclusion Award: Schools on the AP School Honor Roll can also earn the AP Equity and Inclusion Award, which recognizes schools that demonstrate a clear and effective commitment to equitable access to advanced coursework.

AP School Honor Roll Progress Report - 2023


Shrewsbury High School (221930)

Data Updated: September 06, 2023
Report Run: November 20, 2023

Honor Roll Criteria

Congratulations! Shrewsbury High School has earned Bronze recognition on the 2023 AP School Honor Roll.

Class of 2023

AP School Honor Roll Metrics	Bronze Criteria	Silver Criteria	Gold Criteria	Platinum Criteria	Your School  BRONZE Your school achieved all Bronze criteria!	
College Culture	40%	50%	65%	80%	59% <i>(271/459)</i>	Silver
College Credit	25%	30%	35%	50%	54% <i>(248/459)</i>	Platinum
College Optimization	2%	5%	10%	15%	2% <i>(7/459)</i>	Bronze

PSAT/NMSQT

The Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT) is a program cosponsored by the College Board and National Merit Scholarship Corporation (NMSC). It's a standardized test that provides first-hand practice for the SAT. It also gives students a chance to enter the NMSC scholarship programs and gain access to college and career planning tools.

Similarly, to the SAT, the PSAT/NMSQT measures:

- Critical reading skills
- Math problem-solving skills
- Writing skills

National Merit Scholarship Program Shrewsbury High School

Year	Commended	Finalist	Scholarship Recipient	Hispanic Recognition Program
2023	26	3	1	
2022	20	3	1	-
2021	27	4	1	-
2020	26	3	1	-
2019	24	4	1	-
2018	18	5	1	-
2017	15	1	1	-
2016	19	2	2	-
2016	19	2	2	-
2015	19	1	1	-
2014	14	1	1	-
2013	17	4	1	1
2012	19	4	1	-
2011	12	1	1	-
2010	16	4	1	-
2009	17	3	1	-
2008	18	2	1	-
2007	14	3	1	-
2006	10	3	-	1
2005	15	2	-	-
2004	8	2	1	-
2003	8	2	1	2
2002	5	3	-	-
2001	4	1	-	-

National Merit Scholarship Program

Program Recognition: Of the 1.5 million juniors who take the PSAT, the top 2%-3% with the highest combined scores (Reading + Mathematics + Language and Writing Skills) qualify for recognition in the National Merit Scholarship Program.

Commended Students: students who score in the top 2% - 3% of all test takers.

Semifinalists: students who score in the top 1% - 1.5% of all test takers. To ensure that academically able young people from all parts of the United States are included in this talent pool, Semifinalists are designated on a state-by-state basis. That is, semifinalists are the highest-scoring entrants in each state. To be considered for a National Merit Scholarship, Semifinalists must advance to Finalist standing in the competition by meeting high academic standards.

Finalists: Most students (approximately 90%) who complete the Semifinalist application process will be named National Merit Finalists.

Scholarship Recipients: All winners of Merit Scholarship awards (Merit Scholar® designees) are chosen from the Finalist group, based on their abilities, skills, and accomplishments—without regard to gender, race, ethnic origin, or religious preference. A variety of information is available for NMSC selectors to evaluate—the Finalist's academic record, information about the school's curricula and grading system, two sets of test scores, school official's written recommendation, information about the student's activities and leadership, and the Finalist's own essay.

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