



# 2016-17 Report on Advanced Placement & SAT Results

Presented to the School Committee  
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# Standardized Assessment: 2016-2017 Advanced Placement



# High School AP – Highlights

- MHS offered a total of 21 AP courses this past year.
- **5 courses have a qualifying rate of 95 to 100%.** This means almost all students in these courses achieved a score of 3, 4, or 5 to qualify for college credit.
  - Music Theory, Studio Art, Statistics, French Language, Latin Lit,
  - Spanish Language is on the cusp at 94%
- **18 of 21 courses have a qualifying rate of 75% or above.**
  - Last year, 7 courses fell below this threshold.
- **13 of 21 courses saw an improvement in the qualifying rate from the previous year.**
- **129 of 291 AP students (or 44%) are recognized for academic distinction as AP Scholars** – the highest percentage we have had in the last five years!

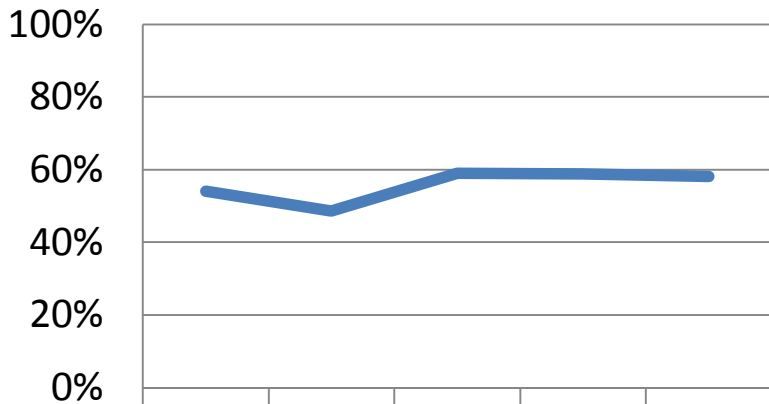
**• In 2017, 85% of all AP exams received a qualifying score of 3, 4 or 5; this is the highest overall AP qualifying rate we have ever achieved at MHS!**



# Participation: Percent of Students Taking AP

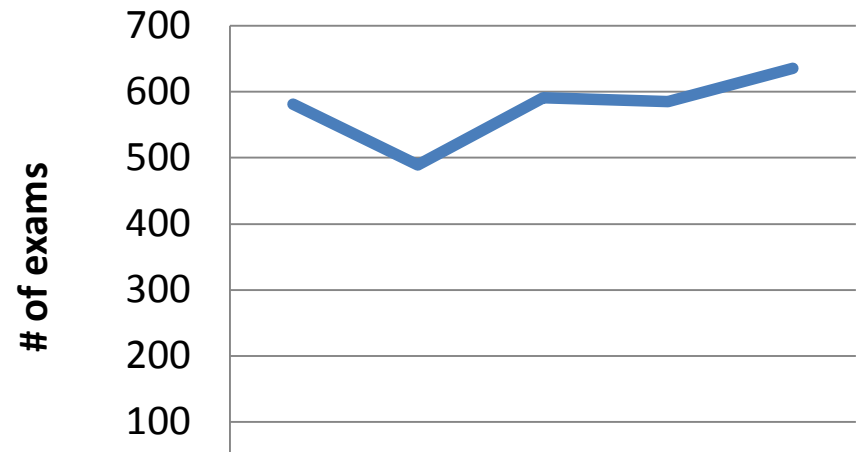
About **60%** of our juniors and seniors take AP classes, due to open enrollment.

### 2017: Percent of Juniors+Seniors Taking AP



Year	2012	2013	2014	2015	2016
Year Label	-13	-14	-15	-16	-17
% of Juniors + Seniors Taking AP	54%	49%	59%	59%	58%

### 2017: Total AP Exams Taken



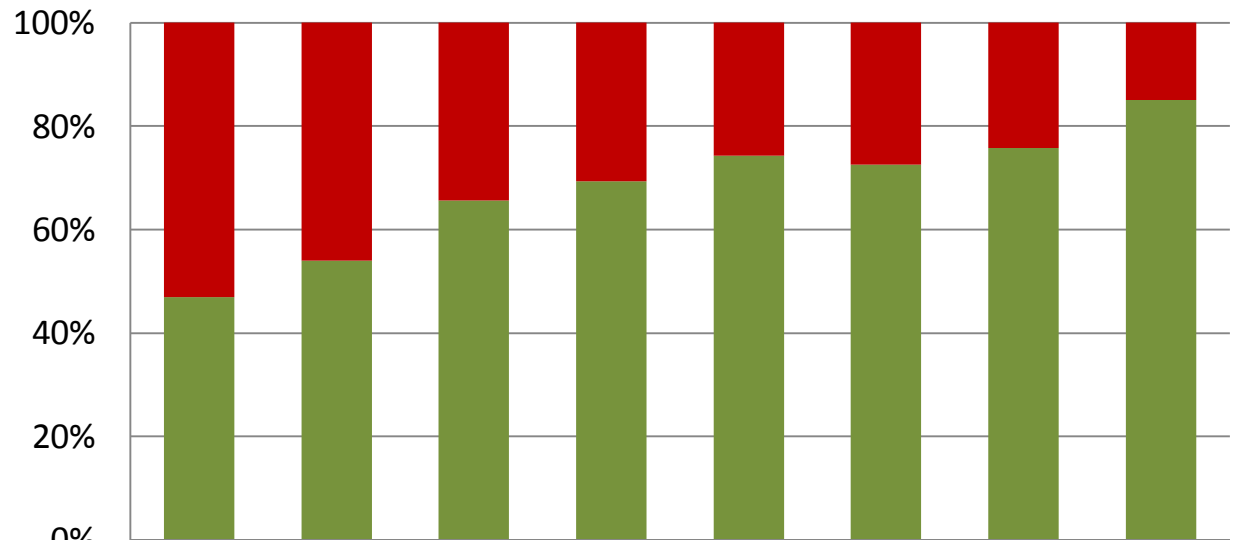
Year	2012	2013	2014	2015	2016
Year Label	-13	-14	-15	-16	-17
Total AP Exams	581	489	591	585	636



# Performance: Percent of AP Exams with Qualifying Scores

Even with our open enrollment for AP, students are consistently getting more and more qualifying scores year after year. **In 2017, AP qualifying\* scores are at the highest percentage they have ever been at 85%!**

2017: Percent of AP Exams with Qualifying Scores



	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
■ Exams with Scores Below 3	290	269	209	178	126	162	142	95
■ Exams with Qualifying Scores (3-5)	256	315	399	403	363	429	443	541
■ % of Exams with Qualifying Scores	47%	54%	66%	69%	74%	73%	76%	85%

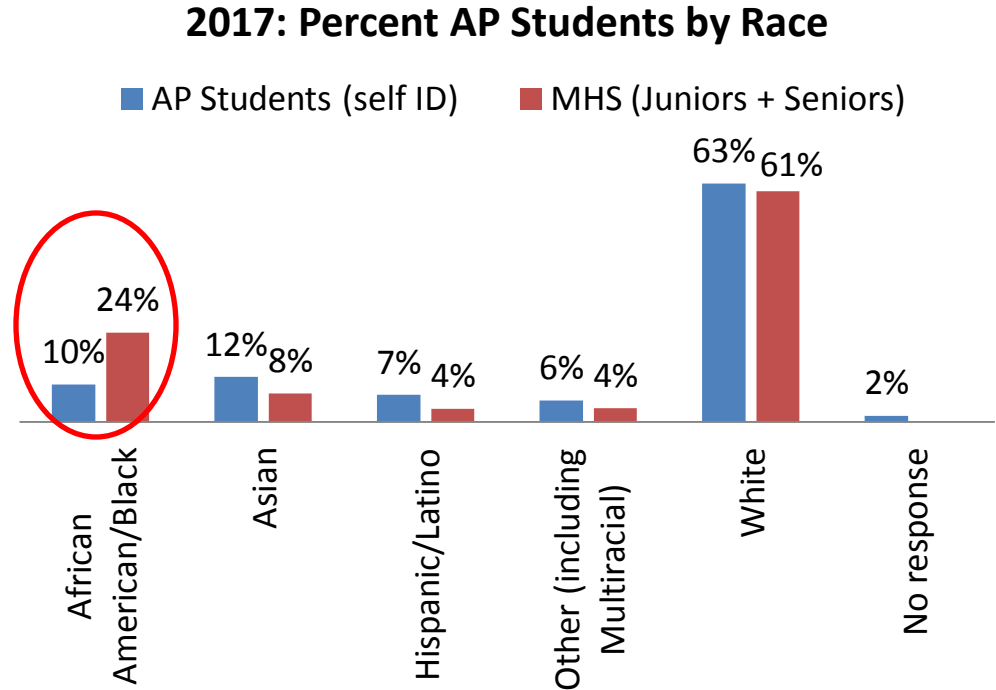
Note: Qualifying scores of 3,4, or 5 often allows students to receive college credit for related courses.



# Participation: Percent of AP Students by Race

Except for African Americans, all other racial subgroups in AP classes actually exceed their proportions of the student population.

	AP (self ID)	MHS (Juniors + Seniors)
African American/Black	29	119
Asian	35	38
Hispanic/Latino	21	18
Other (incl. Multiracial)	17	19
White	184	307
No response	5	
Total	291	501





# Performance: Qualifying Scores by Race

We are closing the achievement gaps for African American/Black and Hispanic/Latino students. In 2016, the qualifying rate for the African American/Black subgroup was 47%; this year it is 72%. The qualifying rate for Hispanic/Latino subgroup was 57%; now it is 88%.

2017: Percent Qualifying Scores by Race



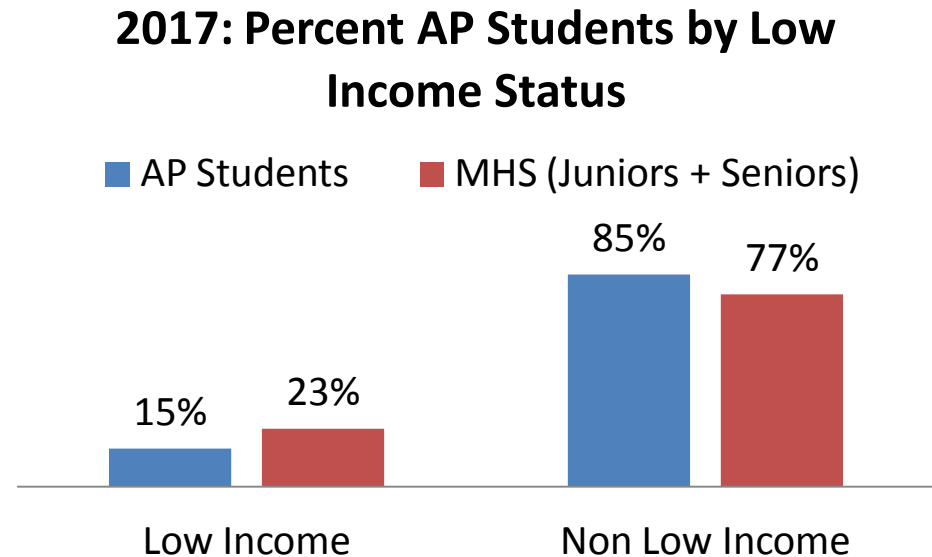
	Asian	African American/Black	Hispanic/Latino	White	Other (incl. Multiracial)	No response	Total
■ Exams with Scores Below 3	13	15	5	55	7	0	95
■ Exams with Qualifying Scores (3-5)	70	38	35	354	30	14	541
■ % of Exams with Qualifying Scores	84%	72%	88%	87%	81%	100%	85%



# Participation: Percent of AP Students by Income Status

15% of our AP test takers were students who received fee waivers due to low income status. The percentage of low income students in the junior and senior class was 23%.

	AP Students	MHS (Juniors + Seniors)
Low Income	44	116
Non Low Income	247	385
Total	291	501



Note: In 2015-16, the difference between low income students taking the AP and low income students in the overall class was also 8%. Also note that not all students who are low income self identified as such to apply for the fee waivers they would be eligible for.





# Performance: Qualifying Scores by Low Income Status

The qualifying rate for low income students is also rising – from 57% in 2015, to 63% in 2016, to 73% in 2017.

### 2017: Qualifying Scores by Low Income Status



	Low Income	Non Low Income	Total
■ Exams with Scores Below 3	25	72	97
■ Exams with Qualifying Scores (3-5)	66	478	544
■ % of Exams with Qualifying Scores	73%	87%	85%

Note: Total exam numbers here are pulled from the online AP reports, which differ slightly from the official released AP Integrated Report.



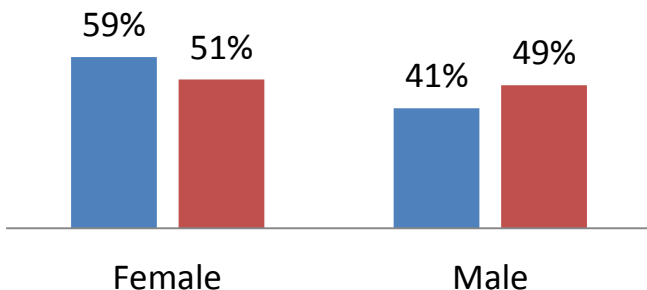
# Participation & Performance by Gender

More girls are accessing the AP offerings than boys.

	AP Students	MHS (Juniors + Seniors)
Female	171	255
Male	120	246
Total	291	501

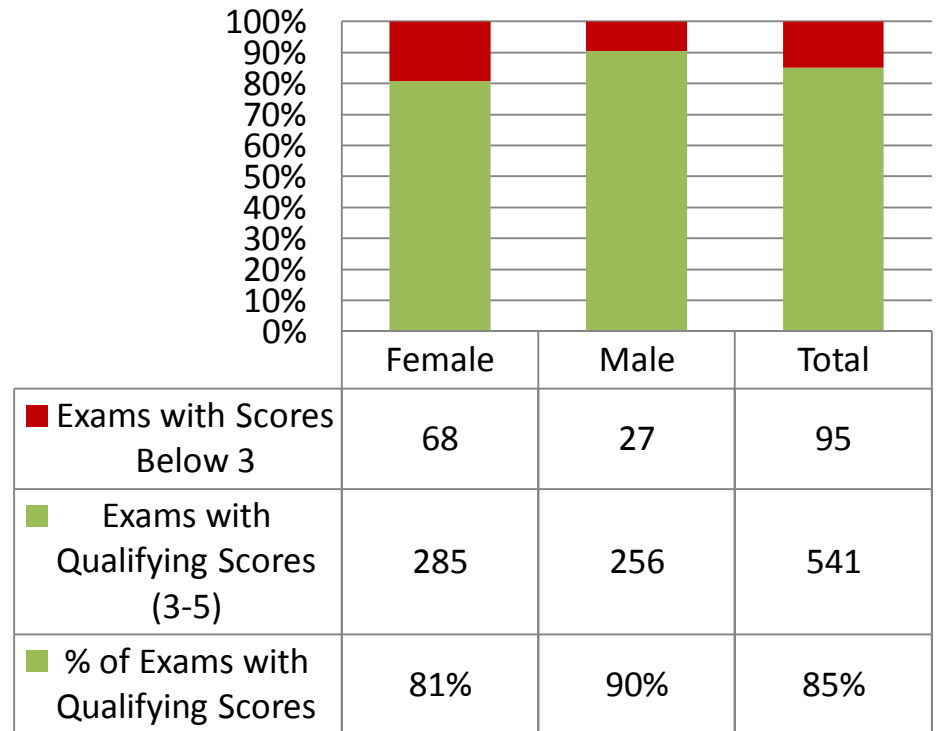
**2017: Percent AP Students by Gender**

■ AP Students ■ MHS (Juniors + Seniors)



But boys seem to be scoring better than girls overall.

**2017: Percent Qualifying Scores by Gender**



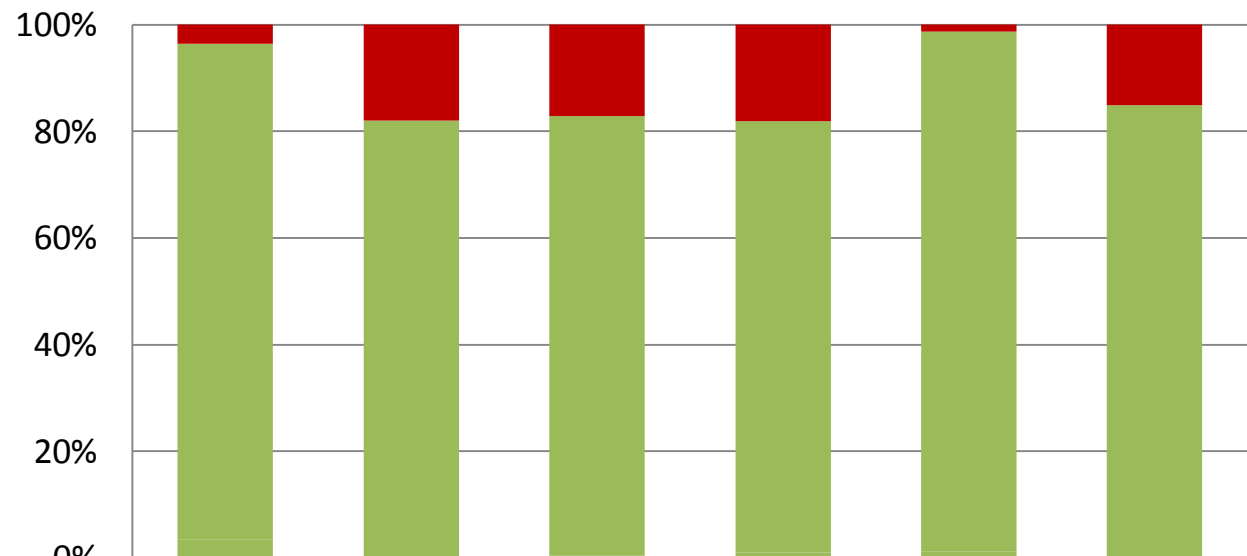
Note: In 2016, boys had a qualifying rate of 77% vs. 70% for girls.



# Performance: Qualifying Scores by Subject Areas

As seen from the results below, the Arts and World Languages Departments at Milton High are truly high achieving!

**2017: Percent Qualifying Scores by Subject Areas**



	Arts	Humanities	Math/Business/Tech	Sciences	Languages	Total Exams
■ Exams with Scores Below 3	1	44	36	15	1	97
■ Exams with Qualifying Scores (3-5)	26	200	173	67	78	544
■ % of Exams with Qualifying Scores	96%	82%	83%	82%	99%	85%

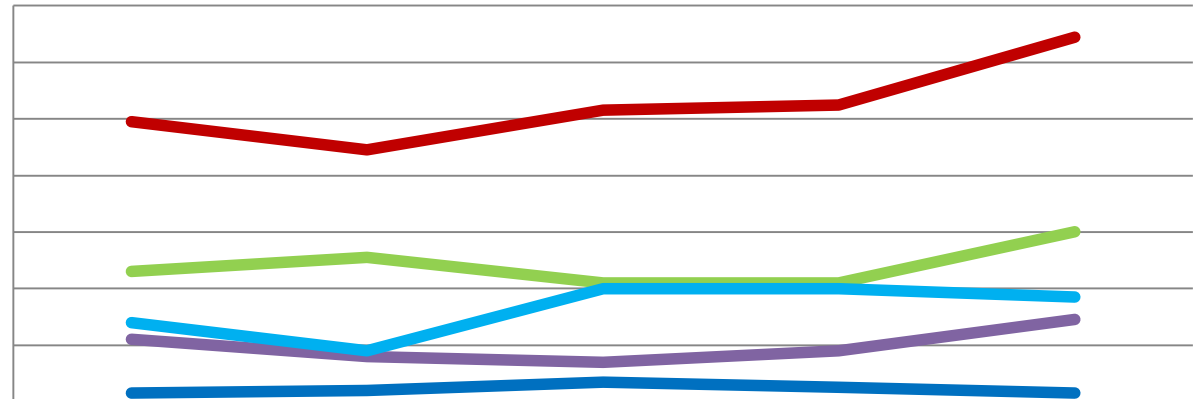


# Performance: Number of AP Scholars

The number of AP Scholars has also risen consistently in the last five years, with 2017 having the highest number of recognized students!

### 2017: Number of AP Scholars

AP Scholar Awards are academic distinctions that students earn based on performance criteria set by the College Board.



	2012-13	2013-14	2014-15	2015-16	2016-17
AP Scholar	46	51	42	42	60
AP Scholar with Honor	22	16	14	18	29
AP Scholar with Distinction	28	18	40	40	37
National AP Scholar	3	4	7	5	3
Total	99	89	103	105	129



# Criteria for AP Scholar Distinction

Award	Criteria
AP Scholar	Granted to students who receive scores of 3 or higher on three or more AP Exams.
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.
National AP Scholar	Granted to students in the United States who receive an average score of at least 4 on all AP Exams taken, and scores of 4 or higher on eight or more of these exams.

# Standardized Assessment Data: Class of 2017 SAT

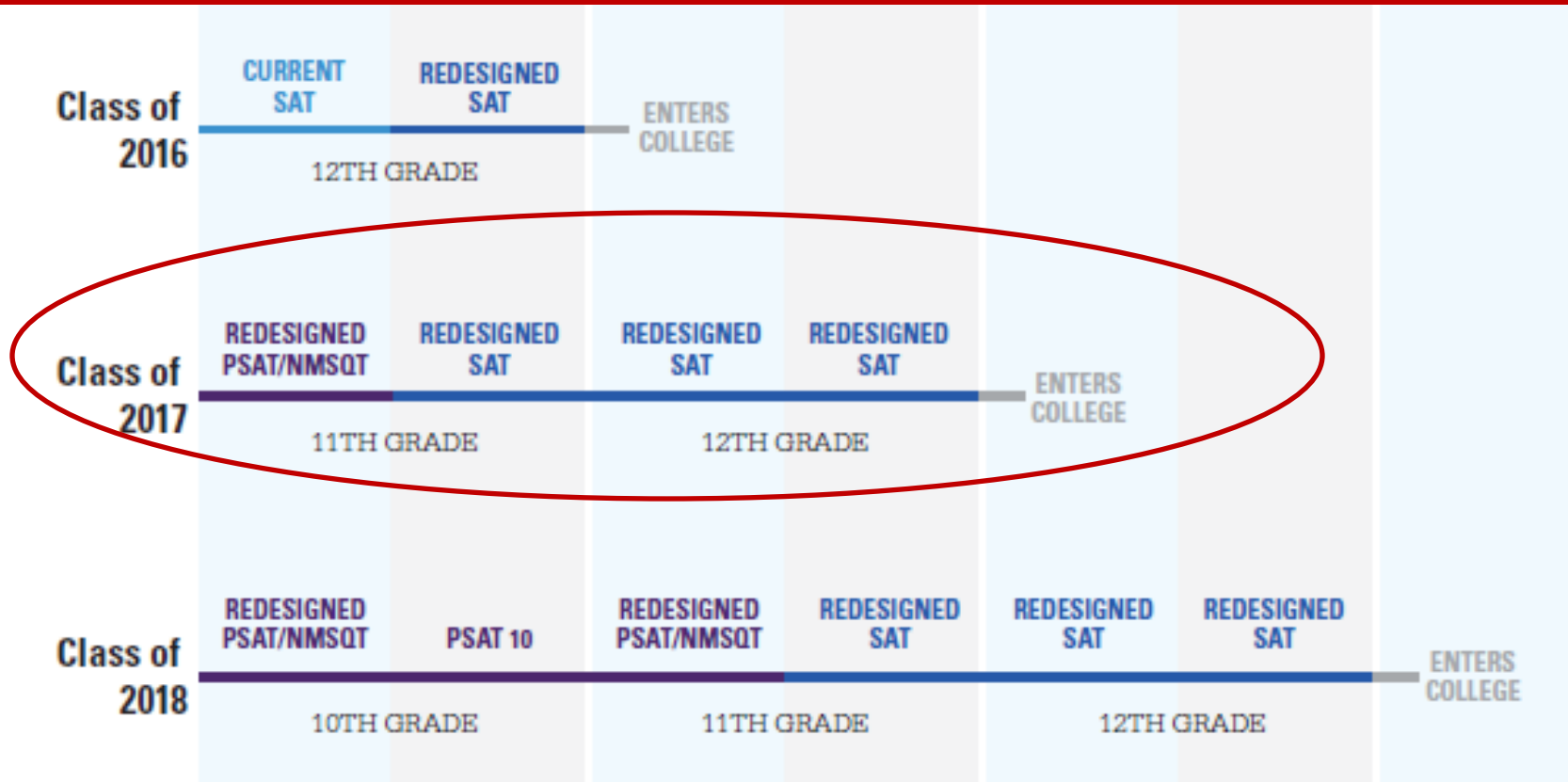


# SAT Context

- For the past two years, the College Board has redesigned and implemented a **new suite of SAT assessments** aligned to research on what students need to be college and career ready.
  - Include the PSAT 8/9, PSAT 10, PSAT/ NMSQT and the SAT
  - Now all scored on a common scale that ties to the College Board’s SAT College and Career Ready Benchmarks
- The College Board’s **SAT College and Career Readiness Benchmarks** are the minimum SAT scores that studies show are necessary for students to be ready for college and career.
  - Based on actual student success in entry-level college courses.
  - Specifically, the benchmark score represents a 75% likelihood of a student achieving at least a “C” grade in a first-semester, credit-bearing college course in a related subject.
- **Overall college and career readiness is defined as achieving both of the benchmarks – Evidence-based Reading and Writing (ERW) and Math – on a given assessment.**



# SAT Context



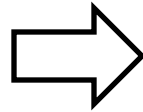
- Due to the staggered implementation of the new suite of College Board assessments, the reporting of results have been adjusted to reflect these major changes as well.
- **Scores on the redesigned assessments are not comparable to the old assessments.**
- We will continue to monitor the results to report out in a way that makes the most sense for purposes of tracking achievement over time.





# Class of 2017 SAT: Overall Participation & Performance

	# of students
SAT	225
MHS	244

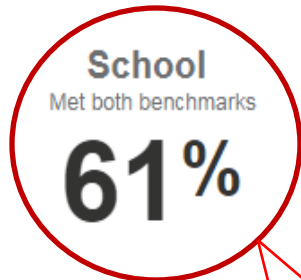


Overall participation rate: **92%**

Participation rate was 91% in 2015, and 90% in 2016.

## SAT Class of 2017- Benchmarks by Institution

Numbers below represent the school vs. state vs. national (total group) rate of SAT takers who met both the ERW & Math Benchmarks for college and career readiness.



Mean Total Score = 1123

CONCORDED

**District**  
Met both benchmarks

**61%**

Mean Total Score = 1123

CONCORDED

**State**  
Met both benchmarks

**56%**

Mean Total Score = 1103

CONCORDED

**Total Group**  
Met both benchmarks

**48%**

Mean Total Score = 1070

CONCORDED

Met **ERW**  
Benchmark:  
**84%**

Met **Math**  
Benchmark:  
**61%**

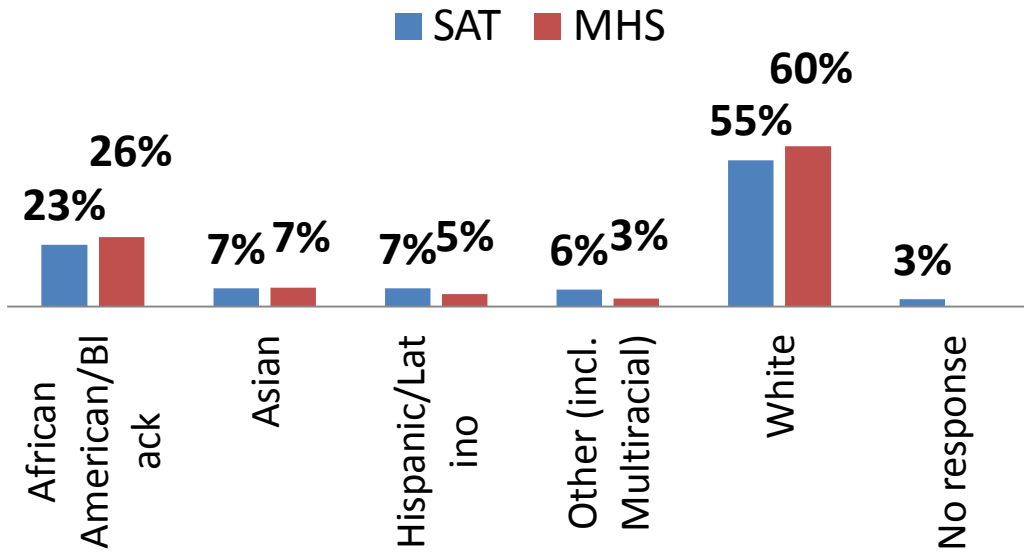


# Class of 2017 SAT: Participation & Performance by Race

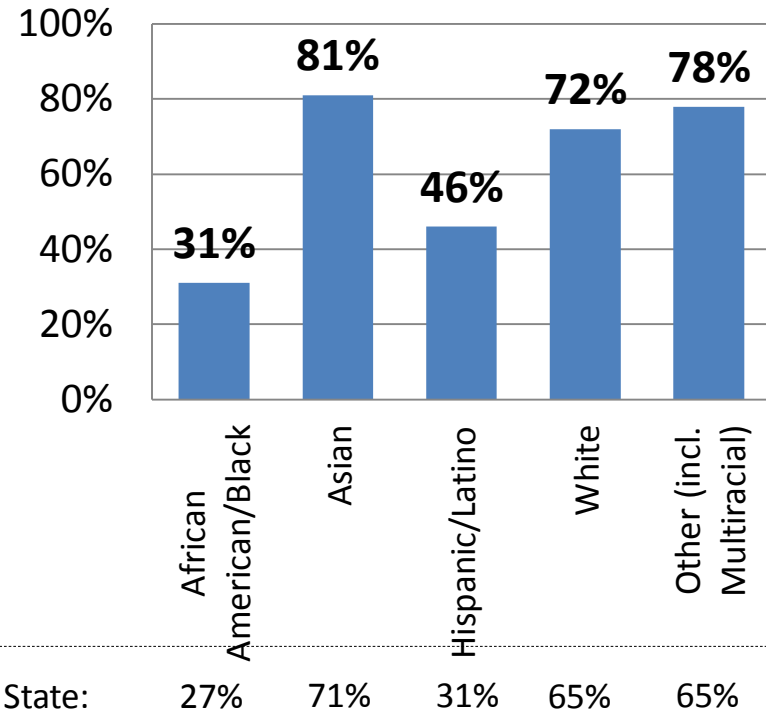
All subgroups are accessing the SAT.

The African American/Black and Hispanic/Latino subgroups are underperforming their peers.

**Class of 2017: Percent SAT Students by Race**



**Class of 2017: Percent Meeting College & Career Benchmarks by Race**



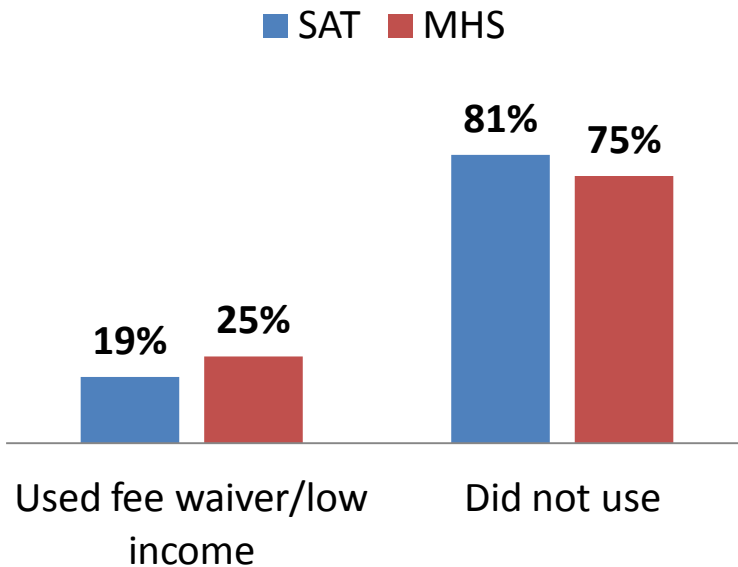


# Class of 2017 SAT:

## Participation & Performance by Income Status

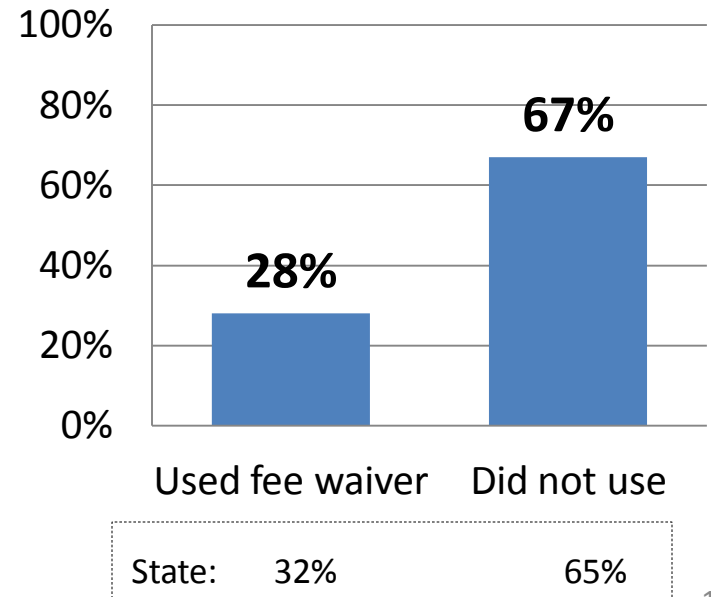
The percentage of low income students who participated in the exam might not be as accurate, since eligible students have to apply for a waiver and not all do.

### Class of 2017: Percent SAT Students by Fee Waiver/Low Income Status



Mirroring the trends in education at large, the performance of low income students is lower than that of their peers.

### Class of 2017: Percent Meeting College & Career Benchmarks by Income



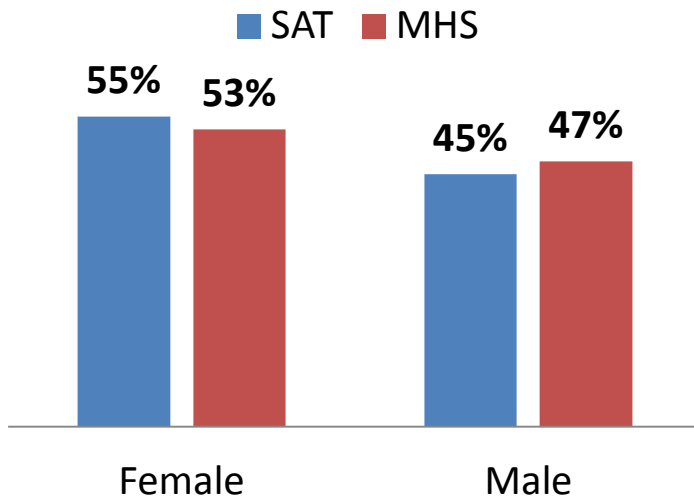


# Class of 2017 SAT

## Participation & Performance by Gender

Girls took the SAT at a slightly higher rate than boys.

### Class of 2017: Percent SAT Students by Gender



Boys are performing a bit better than girls on the SAT.

### Class of 2017: Percent Meeting College & Career Benchmarks by Gender

