

Hanover High School

Standardized Assessment Results

Appendix D

February 6, 2019

1. MCAS

- a. Results from Spring 2018 - HHS, State
- b. Trends across HHS Classes, 2015 - 2020

2. AP

- a. Overview of AP and HHS Enrollment Trends
- b. Results & HHS Averages by Subject

3. SAT

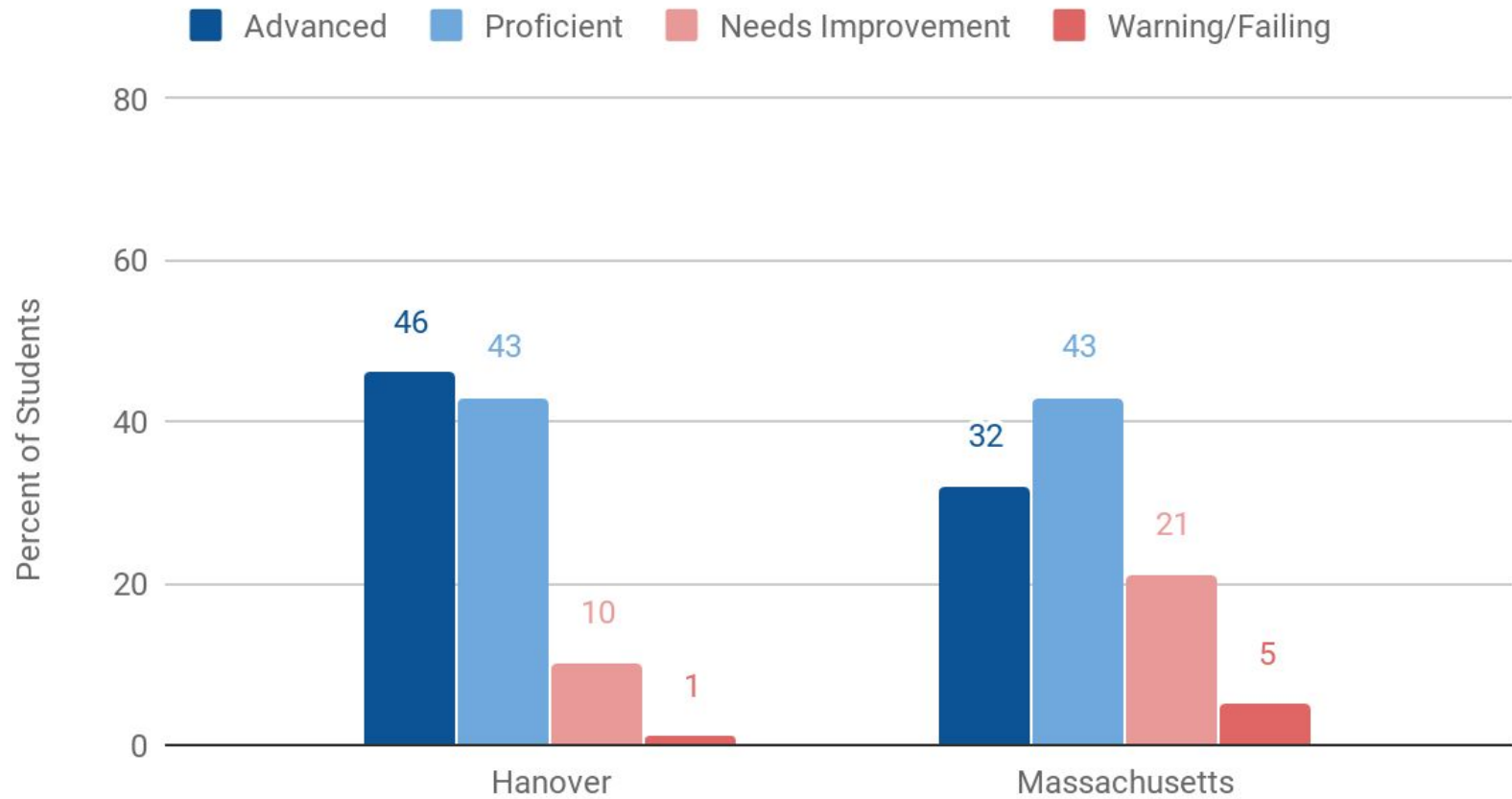
- a. Overview of SAT
- b. Results from Classes of 2018 and 2019 - HHS, State, All

1a.

MCAS - Results for the Class of 2020

- **Science Technology Engineering (STE)**
 - All Students
 - Special Education Students
- **Mathematics (Math)**
 - All Students
 - Special Education Students
- **English Language Arts (ELA)**
 - All Students
 - Special Education Students

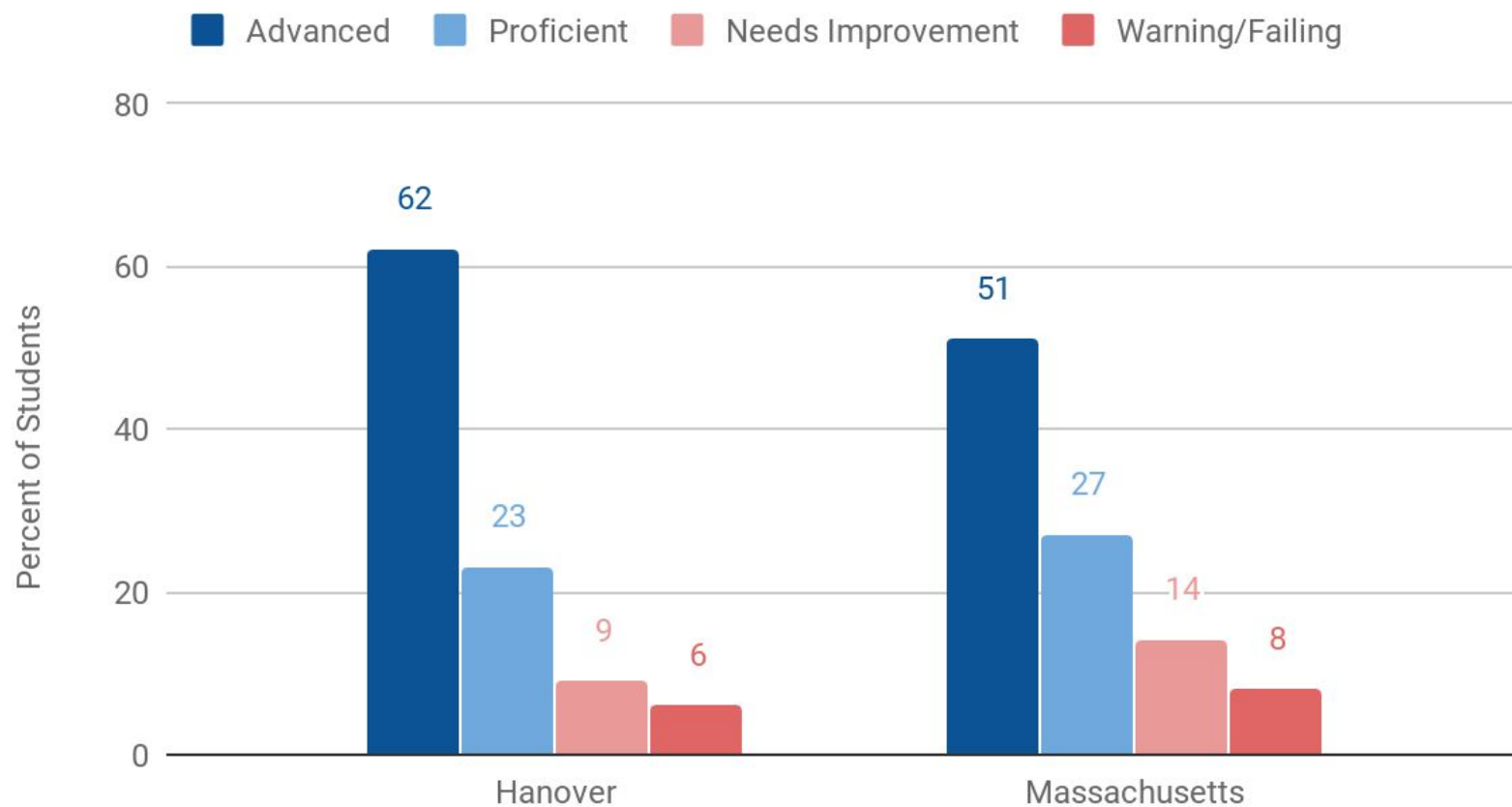
STE, Class of 2020 - All Students



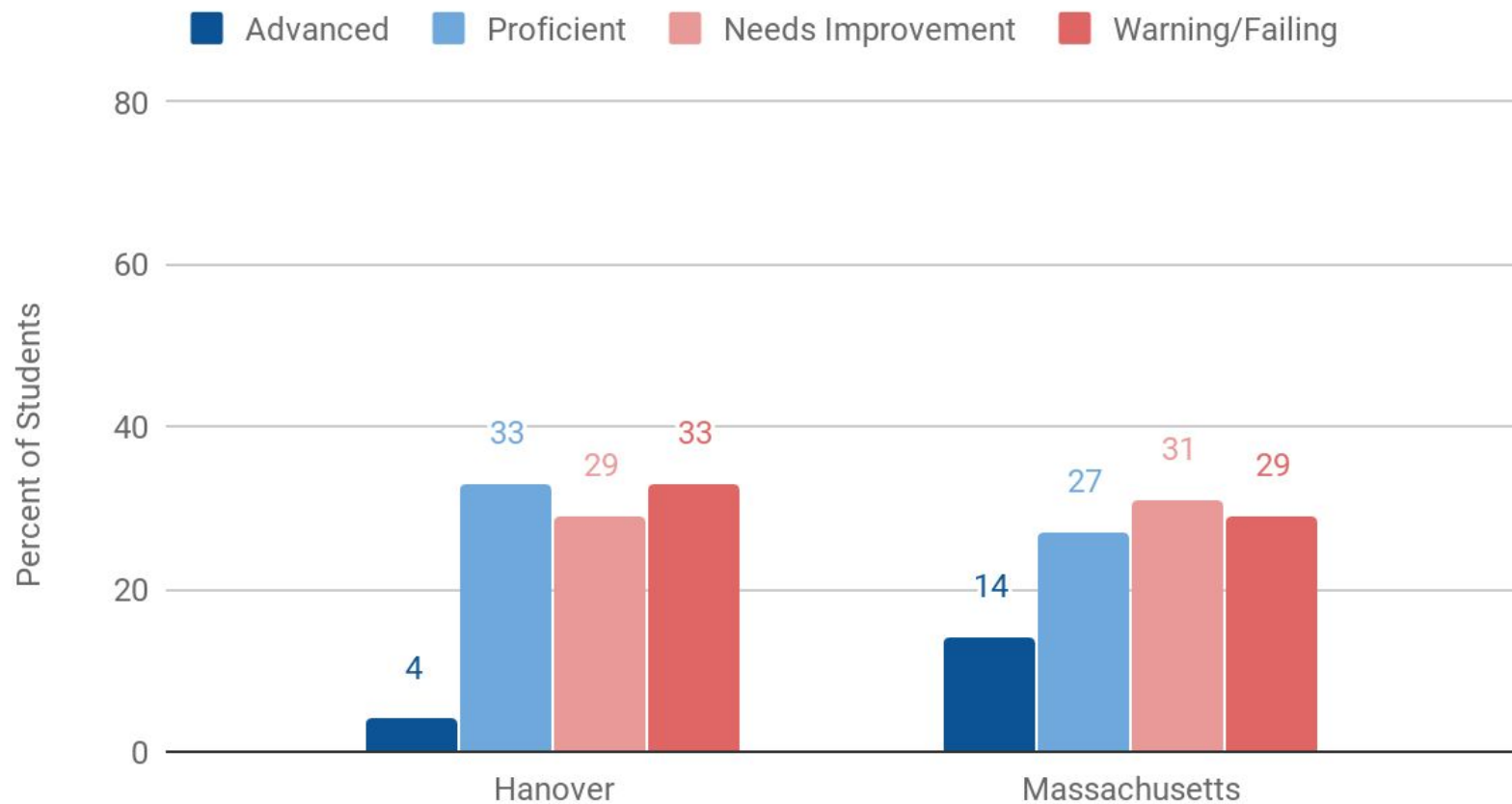
STE, Class of 2020 - Special Education Students



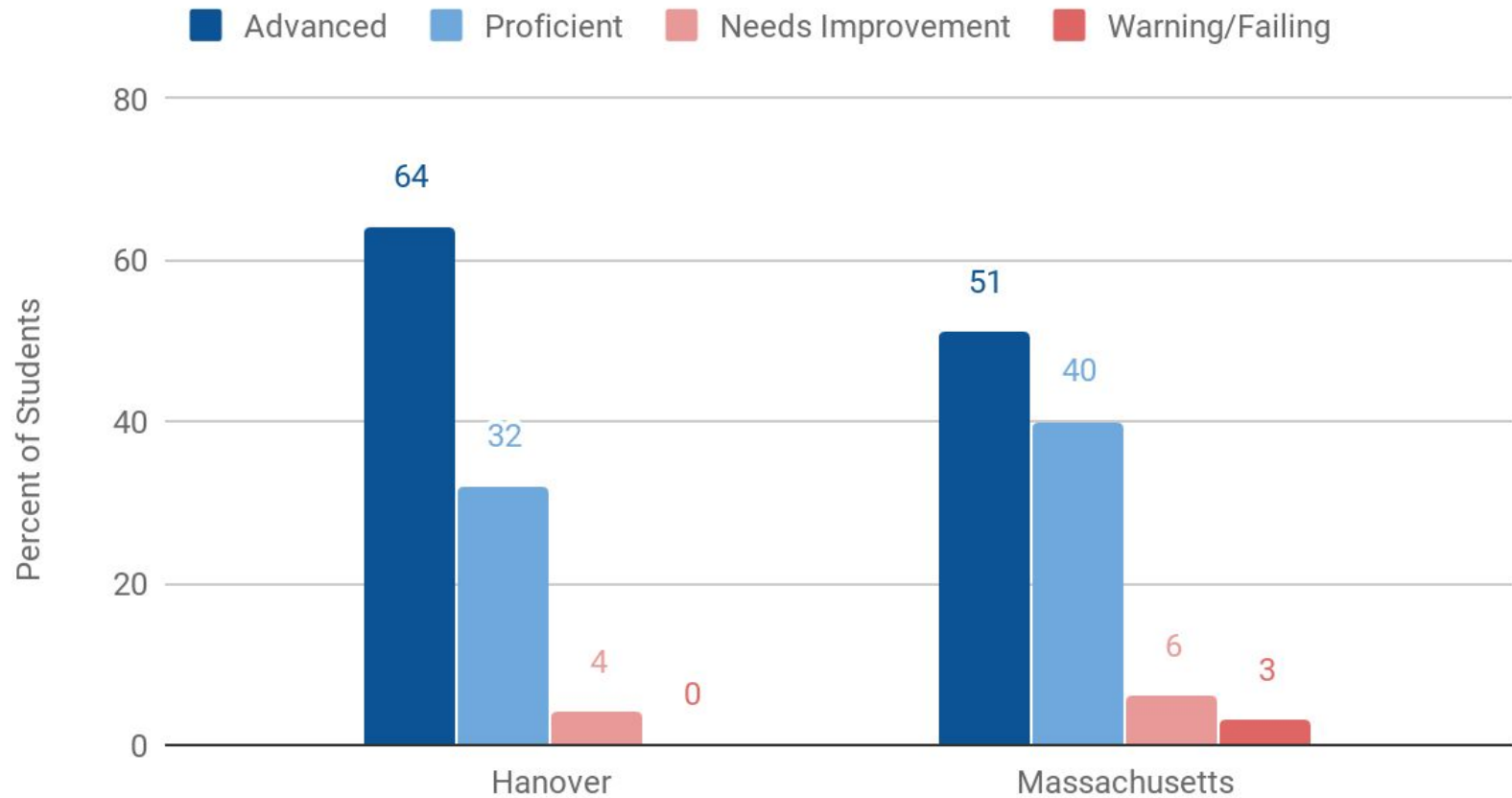
Math, Class of 2020 - All Students



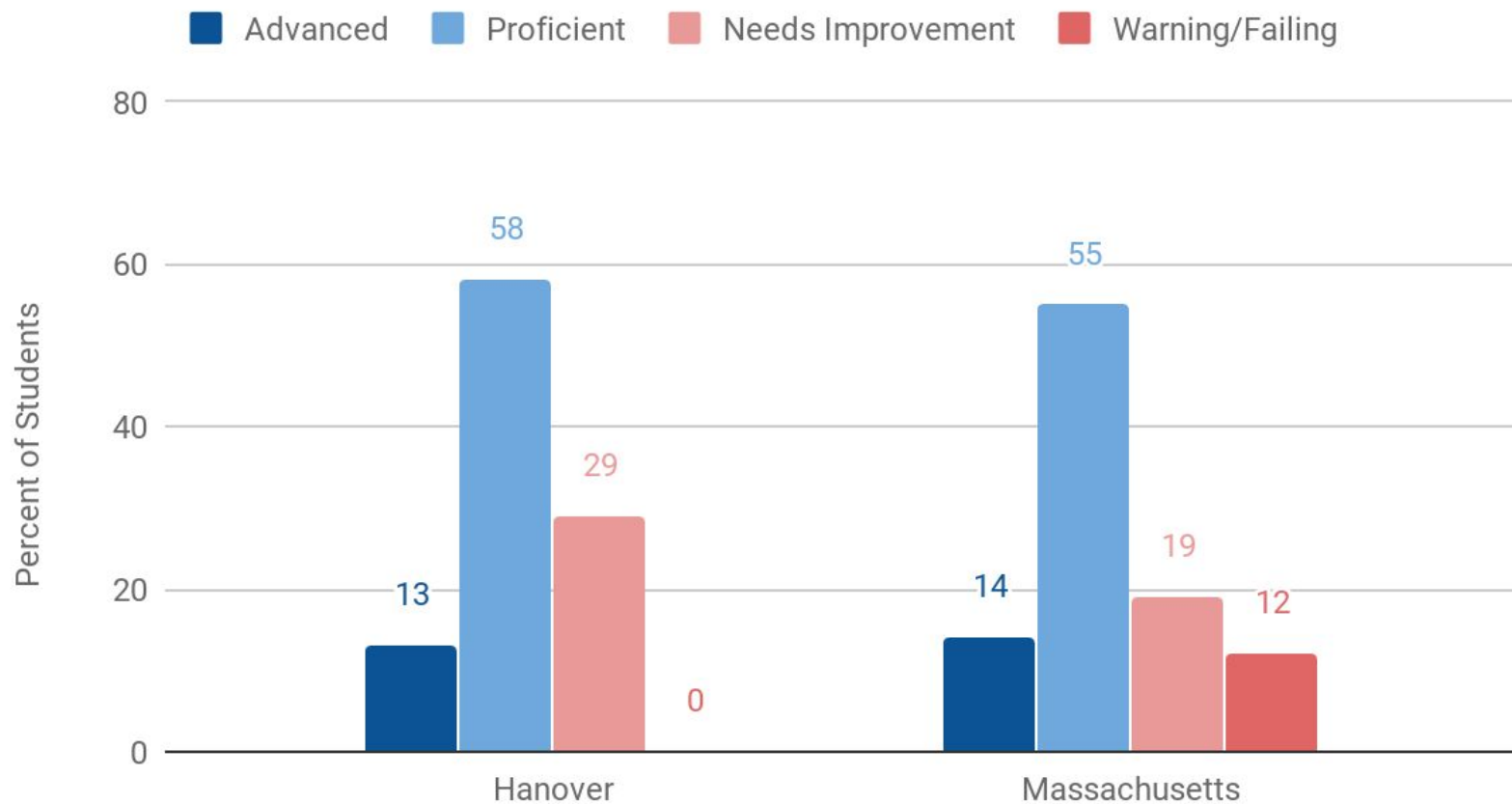
Math, Class of 2020 - Special Education Students



ELA, Class of 2020 - All Students



ELA, Class of 2020 - Special Education Students

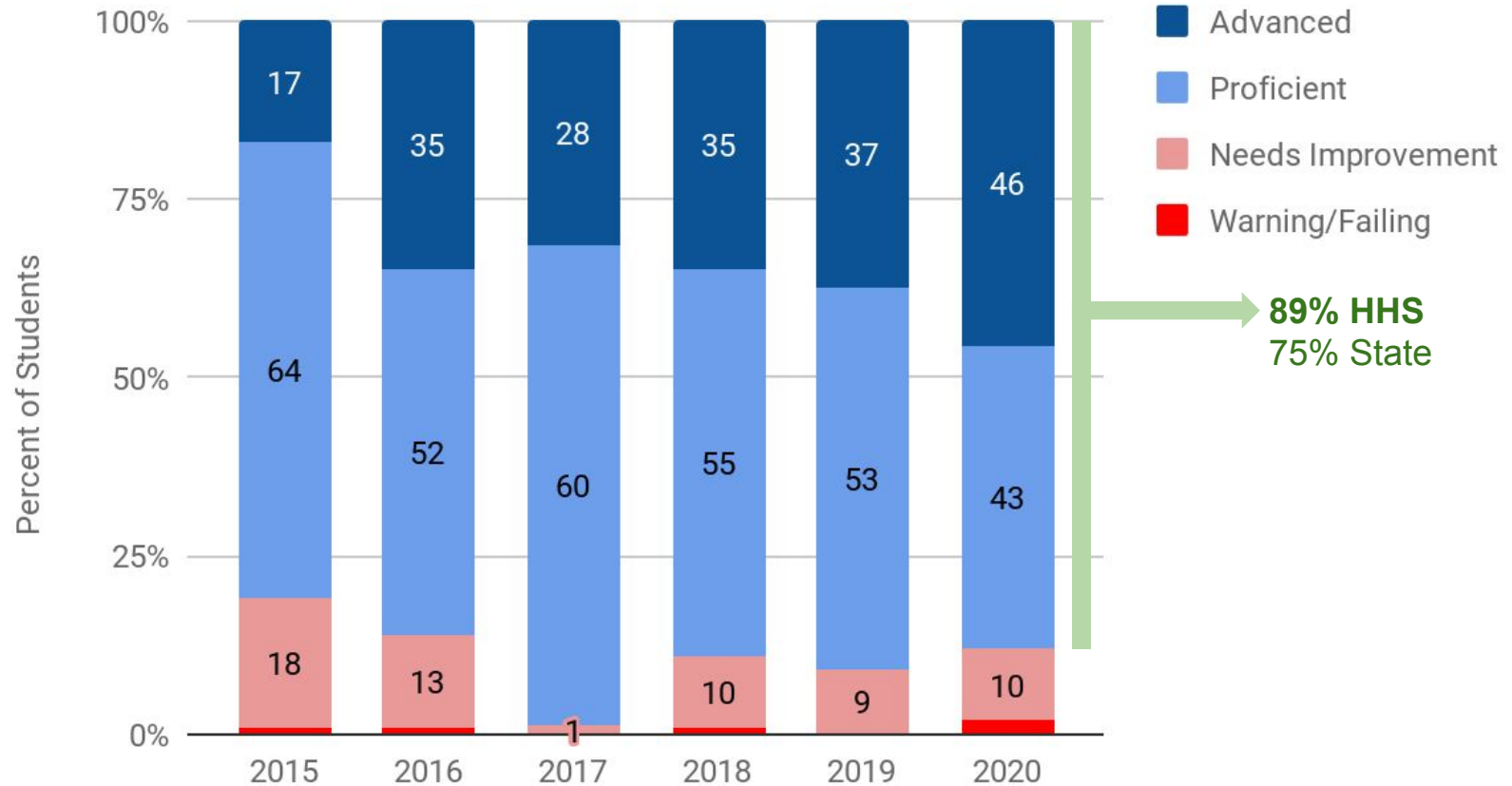


1b.

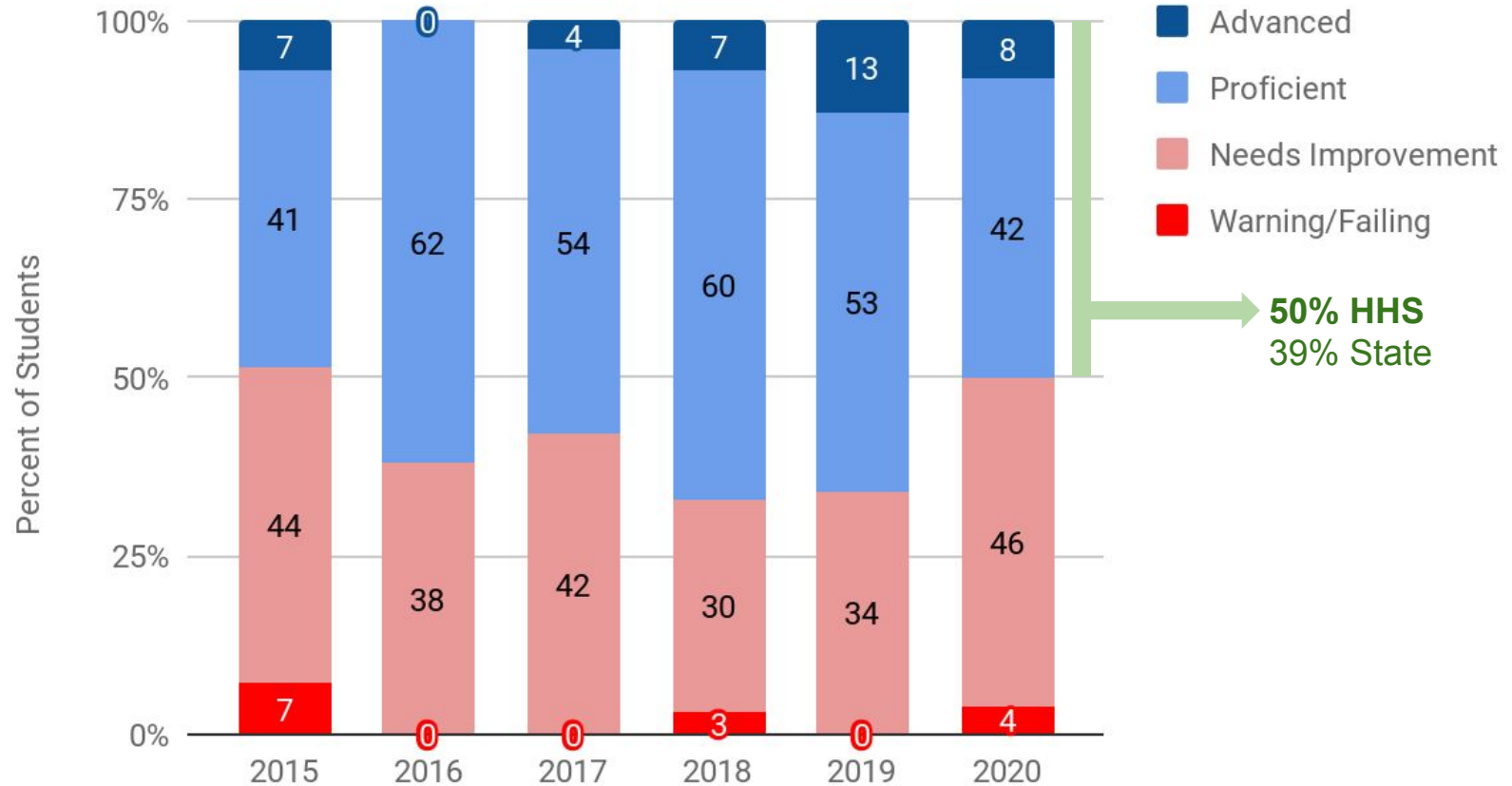
MCAS - Trends across Classes by Graduation Year

- **STE**
 - All Students
 - Special Education Students
- **Math**
 - All Students
 - Special Education Students
- **ELA**
 - All Students
 - Special Education Students

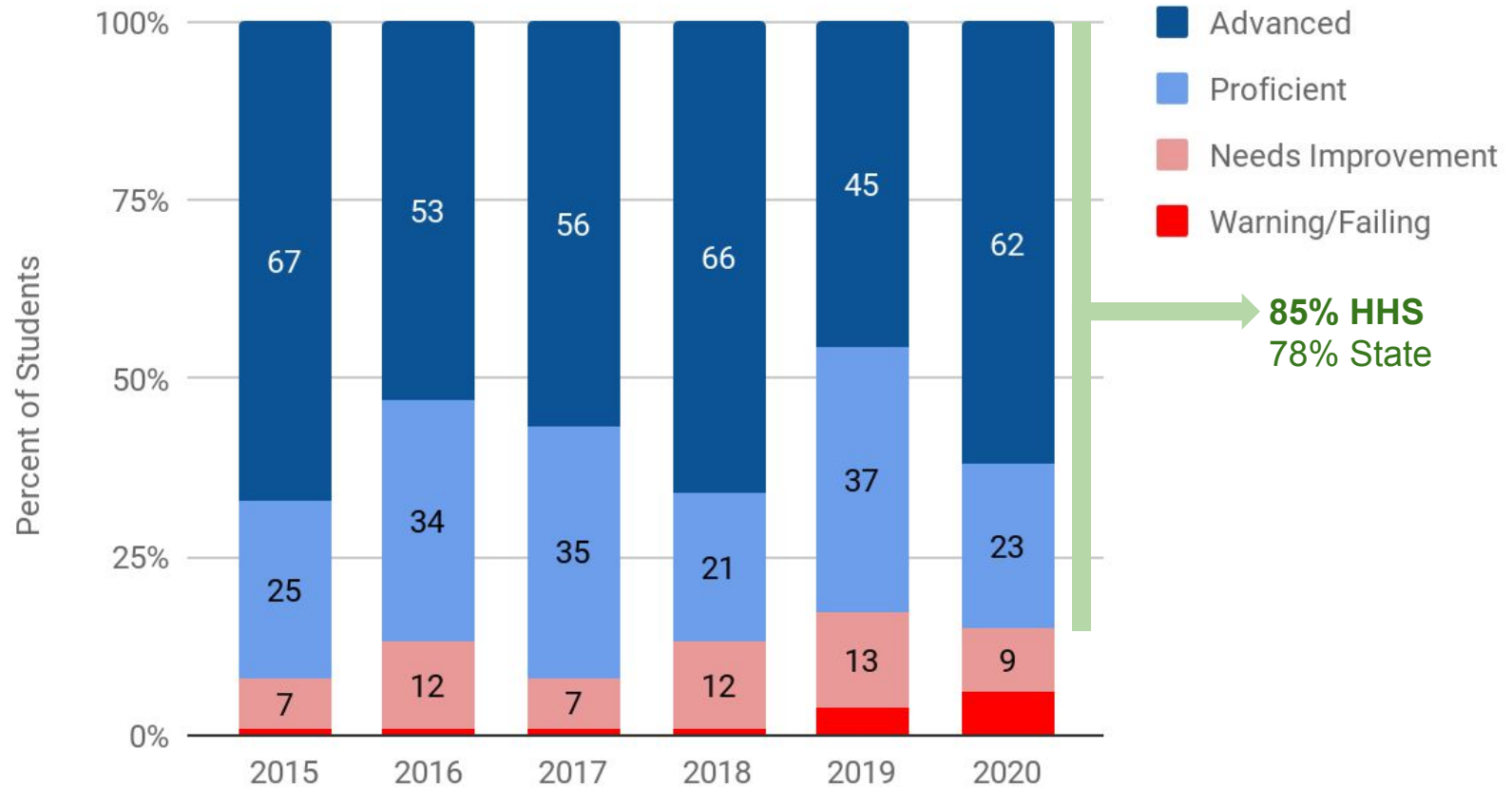
STE, 6-Year Trend by Class - All Students



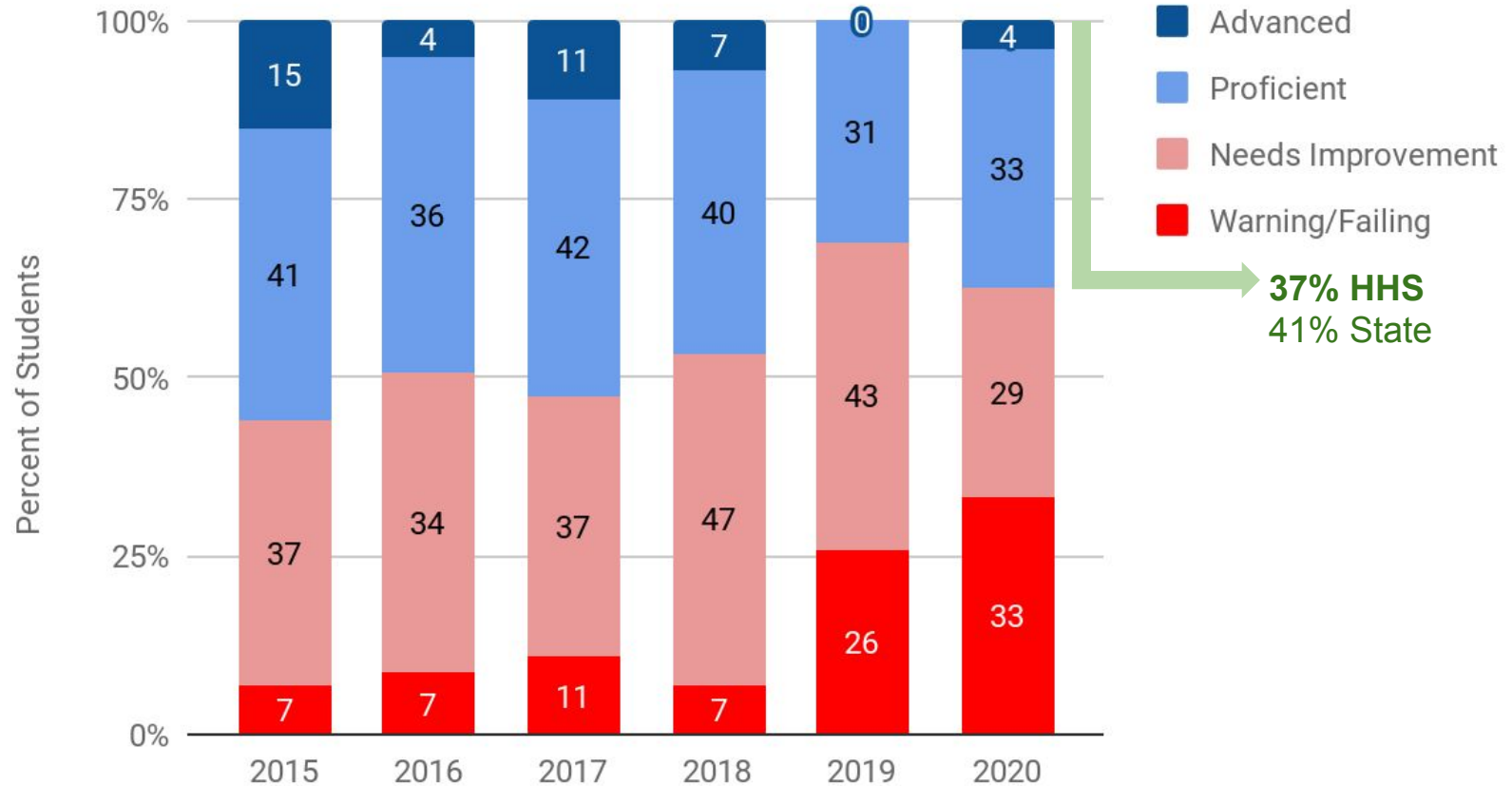
STE, 6-Year Trend by Class - Special Education Students



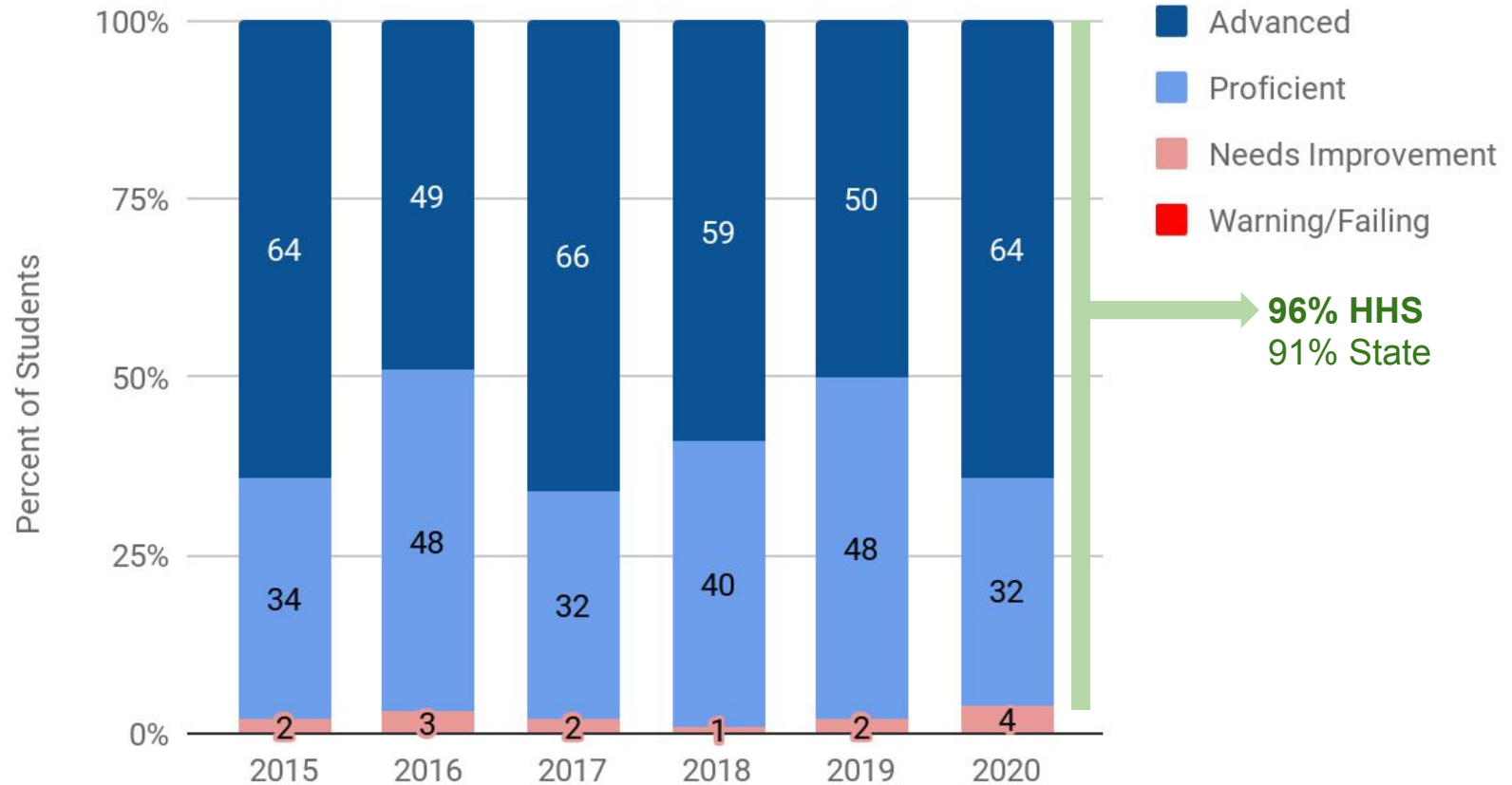
Math, 6-Year Trend by Class - All Students



Math, 6-Year Trend by Class - Special Education Students



ELA, 6-Year Trend by Class - All Students



ELA, 6-Year Trend by Class - Special Education Students

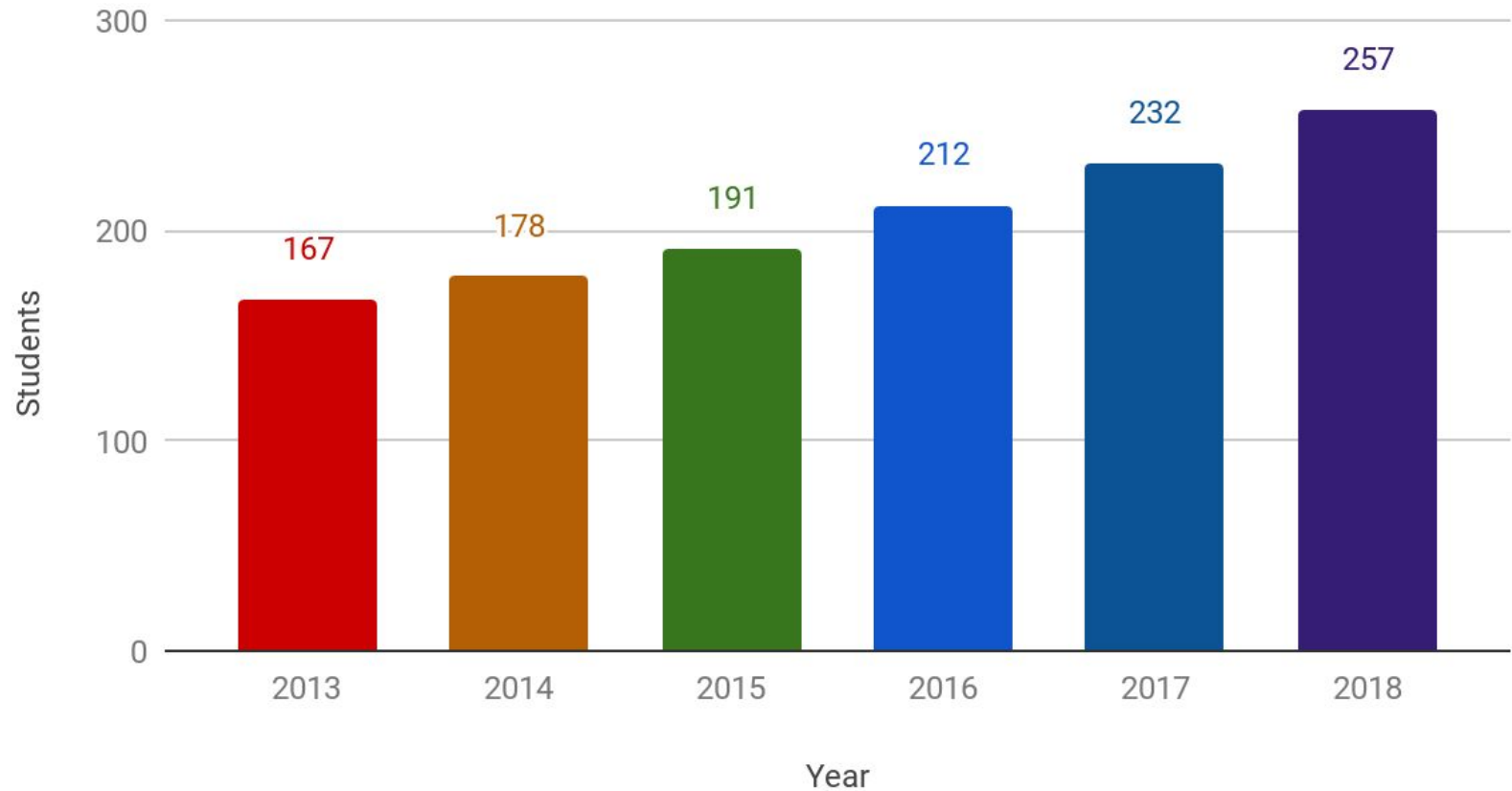


2a.

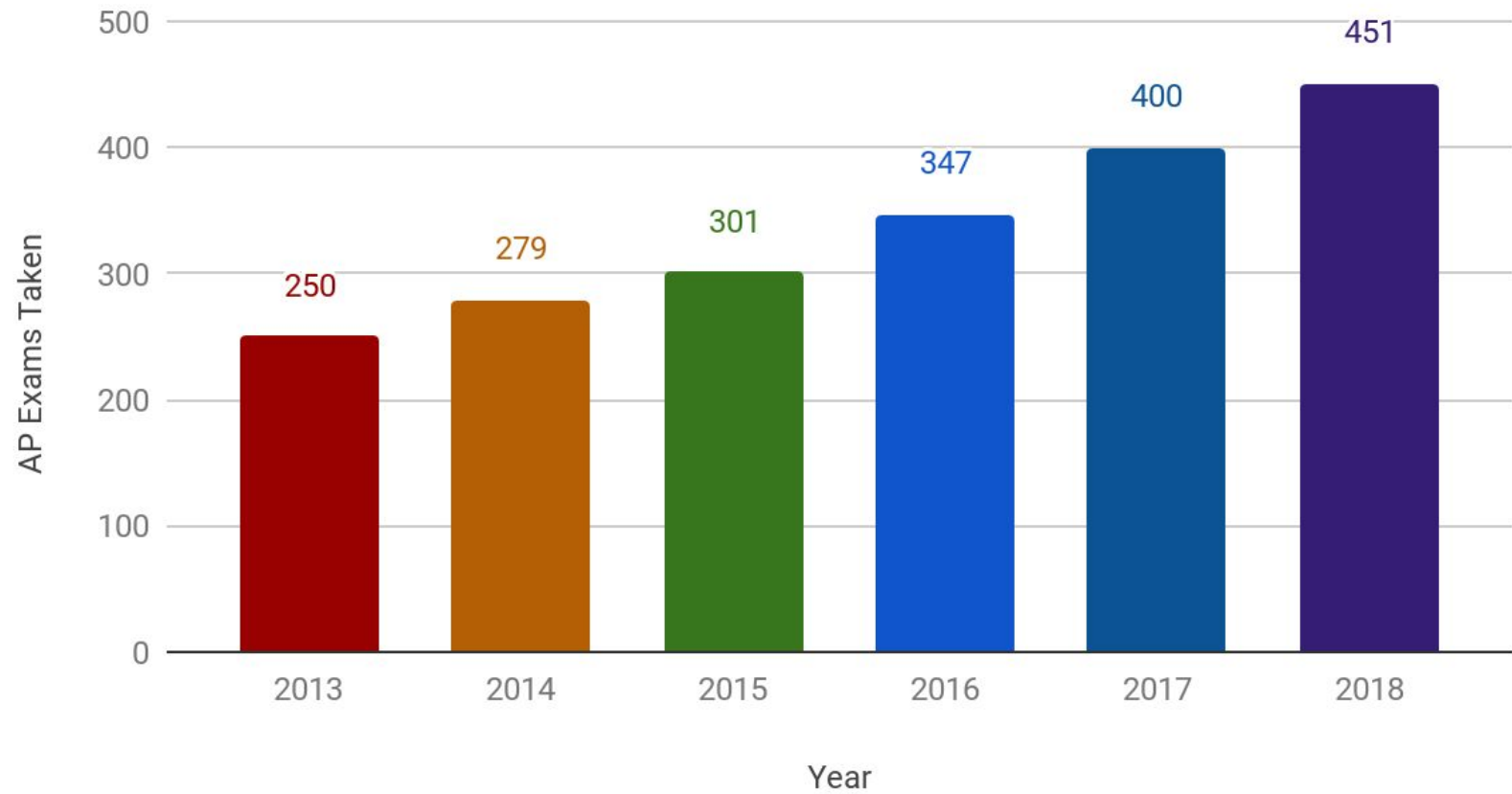
AP - Overview & Enrollment Trends

- Overview of Advanced Placement
 - Students enrolled in AP classes take the exam in May
 - Scores are weighted and scaled 1-5, with 5 being the highest
 - Multiple choice and open response (essay or problem solving)
 - Some colleges may grant credit or waive requirements
 - National standardized test for students enrolled in AP classes
- Trends at Hanover High School
 - Enrollment, Exams, Qualifying Scores (3, 4, or 5)

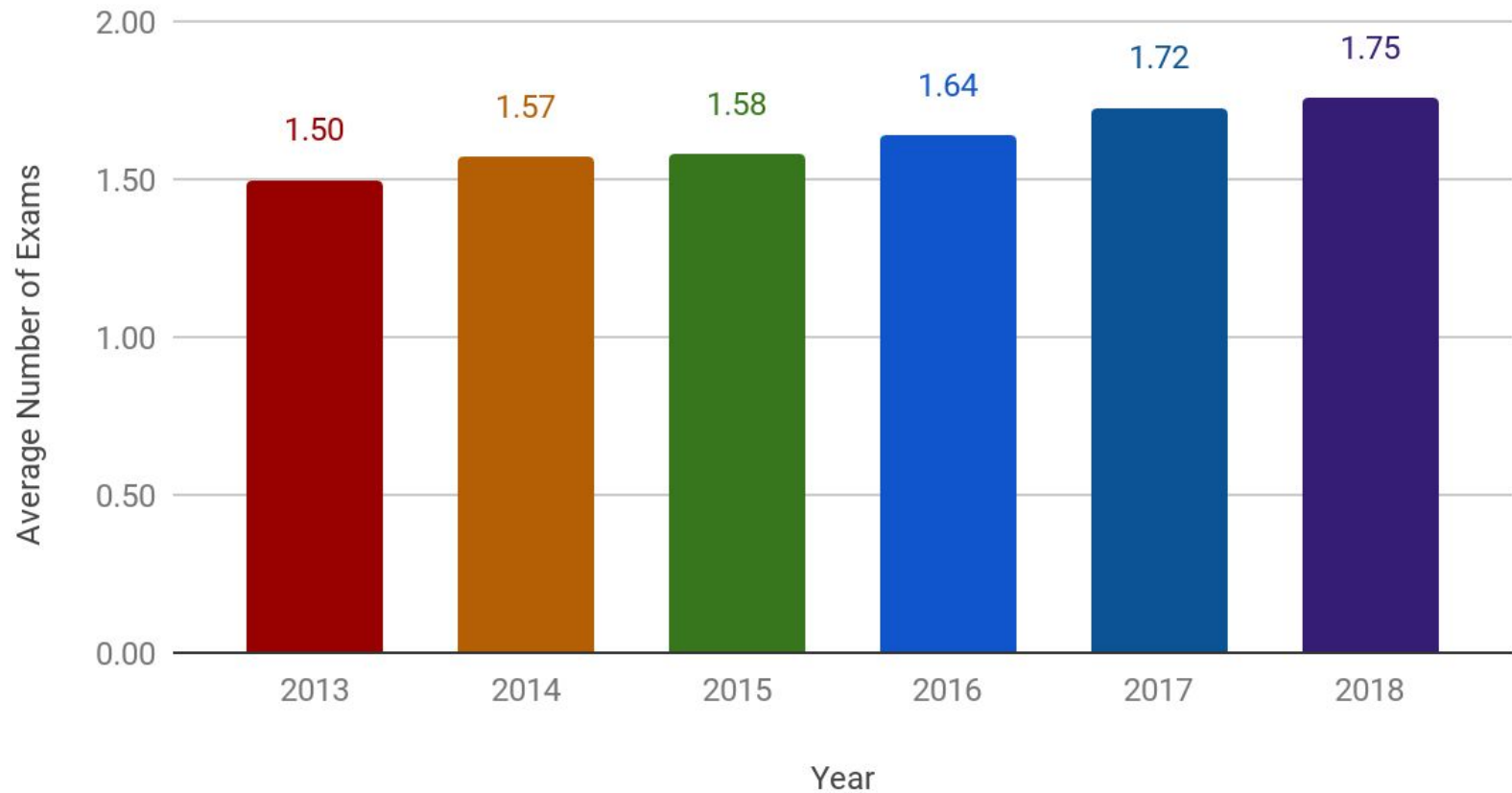
Number of Students Enrolled in AP Courses by Year



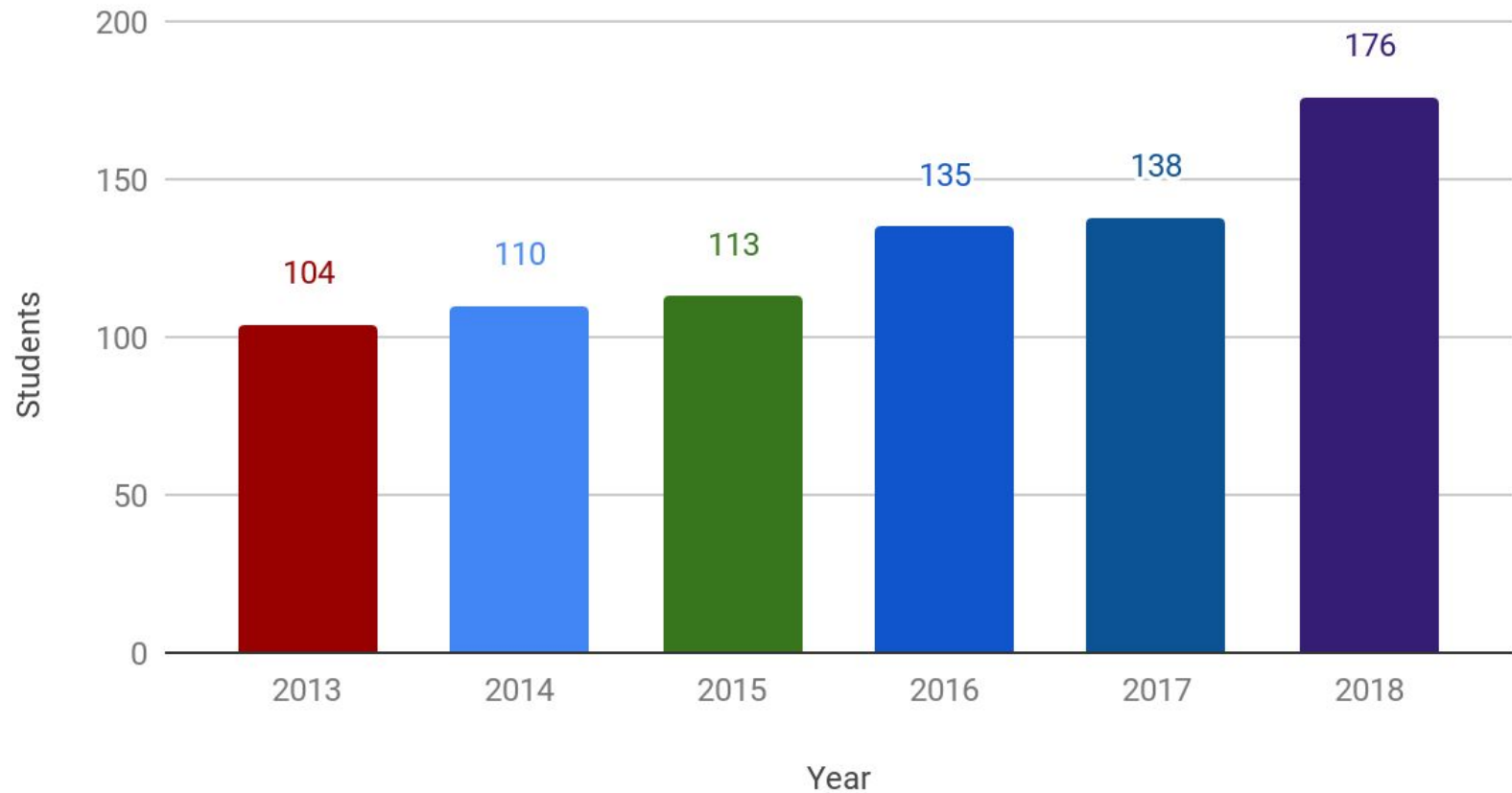
AP Exams by Year



Average Number of Exams per Student



Number of Students Earning a Qualifying Score (3+) by Year



2017-2018 School Year

Breakdown of the Students & AP Exams

Exams	Seniors	Juniors	Sophomores	Freshmen	Total Students	Total Exams
1	44	51	41	1	134	134
2	35	34	4	-	76	152
3	22	6	-	1	27	87
4	12	-	-	-	12	48
5	5	1	-	-	6	30
Totals	118	92	45	2	257	451

2b.

AP - Summary by Department with HHS Average

- English
- Fine Arts
- Foreign Language
- Mathematics
- Science
- Social Studies

HHS Historical Average represents results for recent HHS students (2010* - 2018)

English

Subject	2018 Exams	2018 Average	HHS Historical Average	National Average
Language	70	2.69	3.22	2.83
Literature	34	2.77	3.00	2.57
Department Totals	104	2.71	3.08	

Fine Arts

Subject	2018 Exams	2018 Average	HHS Historical Average	National Average
3D Design	6	2.83	2.68	3.11
2D Drawing	12	3.67	3.28	3.48
Music Theory	11	4.00	3.63	3.18
Department Totals	29	3.62	3.19	

Foreign Language

Subject	2018 Exams	2018 Average	HHS Historical Average	National Average
French	11	3.00	2.45	3.16
Spanish	34	3.77	3.55	3.45
Department Totals	45	3.58	2.94	

Mathematics

Subject	2018 Exams	2018 Average	HHS Historical Average	National Average
Calculus AB	43	3.42	3.70	2.94
CS Principles	22	2.91	2.96	3.11
Department Totals	65	3.25	3.58	

Science

Subject	2018 Exams	2018 Average	HHS Historical Average	National Average
Biology	29	3.17	2.62	2.87
Chemistry	23	3.13	2.58	2.80
Environmental	34	3.09	2.09	2.63
Physics 2	14	2.57	2.55	2.97
Department Totals	100	3.05	2.49	

Social Studies

Subject	2018 Exams	2018 Average	HHS Historical Average	National Average
Psychology	39	2.64	2.47	3.14
US Government	9	4.22	2.96	2.70
US History	28	3.14	3.32	2.66
World History	27	3.52	3.70	2.78
Department Totals	103	3.16	2.87	

Summary of AP Exams Qualifying Scores (3+) and Enrollment

2014 - 2015		2015 - 2016		2016 - 2017		2017 - 2018		2018 - 2019	
183	61.0%	221	63.7%	235	58.8%	303	67.2%	?	?
300		347		400		451		522*	

3a.

SAT - Overview

- SAT: Scholastic Aptitude Test
- Administered throughout the year
- Scoring: 1600 total points
 - 800 in Evidence-based Reading and Writing
 - 800 in Mathematics
 - No penalty for a wrong answer
- 5 Sections, from 25 to 65 minutes each
- SAT takes about 3 hours to complete

3b.

SAT - Results

- Class of 2019 (current seniors, incomplete data set)
 - ERW and Math Scores
 - Anticipated Benchmarks
- Class of 2018 (graduated, complete data set)
 - ERW and Math Scores
 - ERW and Math Benchmarks

Benchmark Scores are designed to indicate College & Career Readiness

Class of 2019 - SAT Scores (incomplete data)

	Total Score 1600	ERW Score 800	Math Score 800
Hanover	1092	548	544
State	1099	551	548
Nation	1080	541	539

Class of 2019 - SAT Benchmarks (*anticipated)

	Meet Both	Meet ERW	Meet Math
Hanover	58%	84%	61%
State	59%	85%	62%
Nation	48%	70%	50%

Class of 2018 - SAT Scores (complete data)

	Total Score 1600	ERW Score 800	Math Score 800
Hanover	1138	570	567
State	1125	562	563
Nation	1068	536	531

Class of 2018 - SAT Benchmarks

	Met Both	Met ERW	Met Math
Hanover	68%	90%	68%
State	60%	79%	62%
Nation	47%	70%	49%