



Hanover High School

Standardized Test Results

MCAS

AP

SAT

School Committee Meeting
January 24, 2018



MCAS

- Massachusetts Comprehensive Assessment System
- Required by state and federal law
- Designed to help gauge student progress
- Assessment schedule
 - ELA – Grades 3, 4, 5, 6, 7, 8, 10
 - Math – Grades 3, 4, 5, 6, 7, 8, 10
 - Science – Grades 5, 8, 9



MCAS

What are we going to look at?

1. Five Year Trend Across Classes

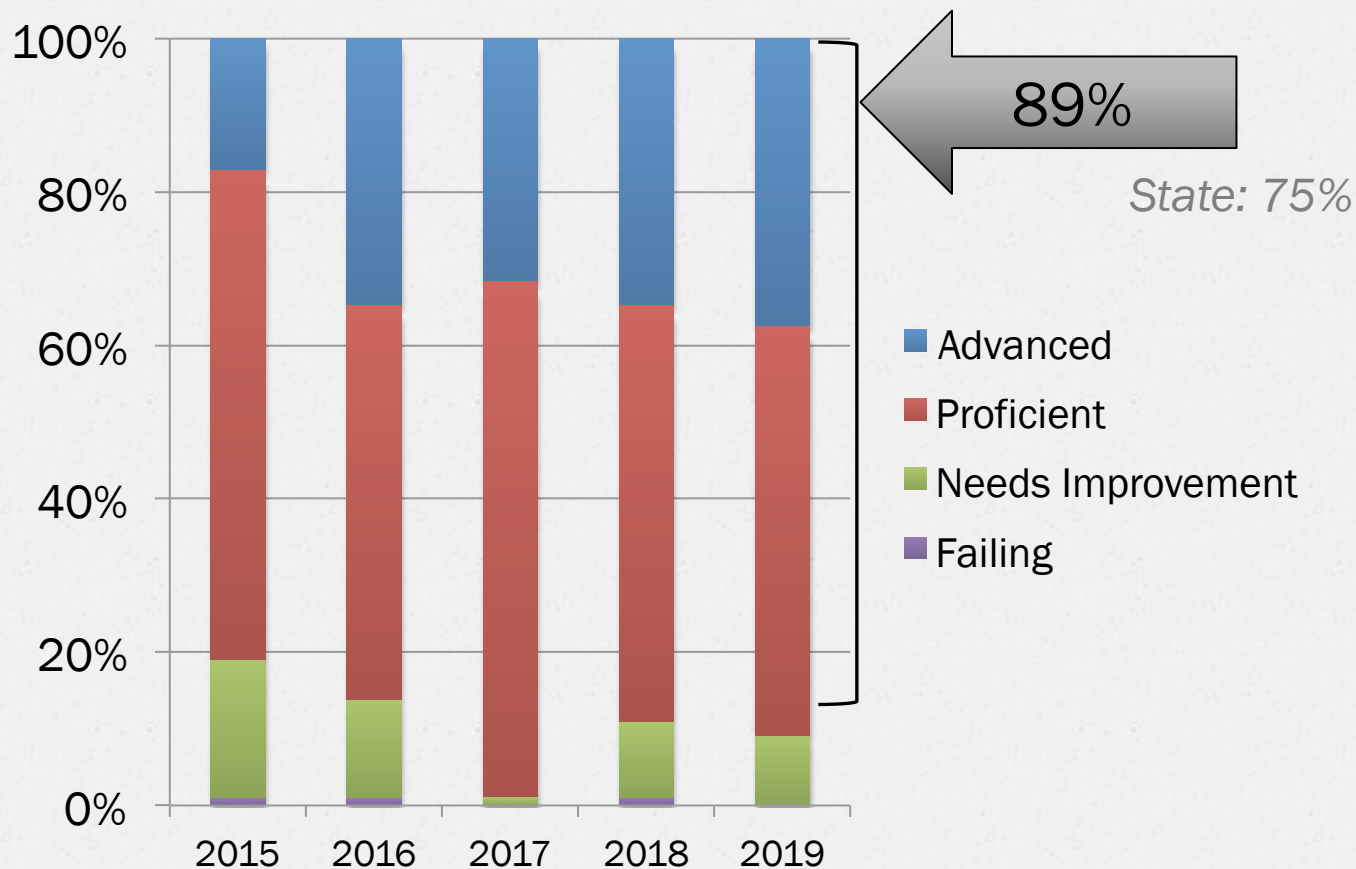
- Review results of the classes of 2015, 2016, 2017, 2018, 2019

2. Class of 2019

- Review the results for the same students, grade 3 to grade 10

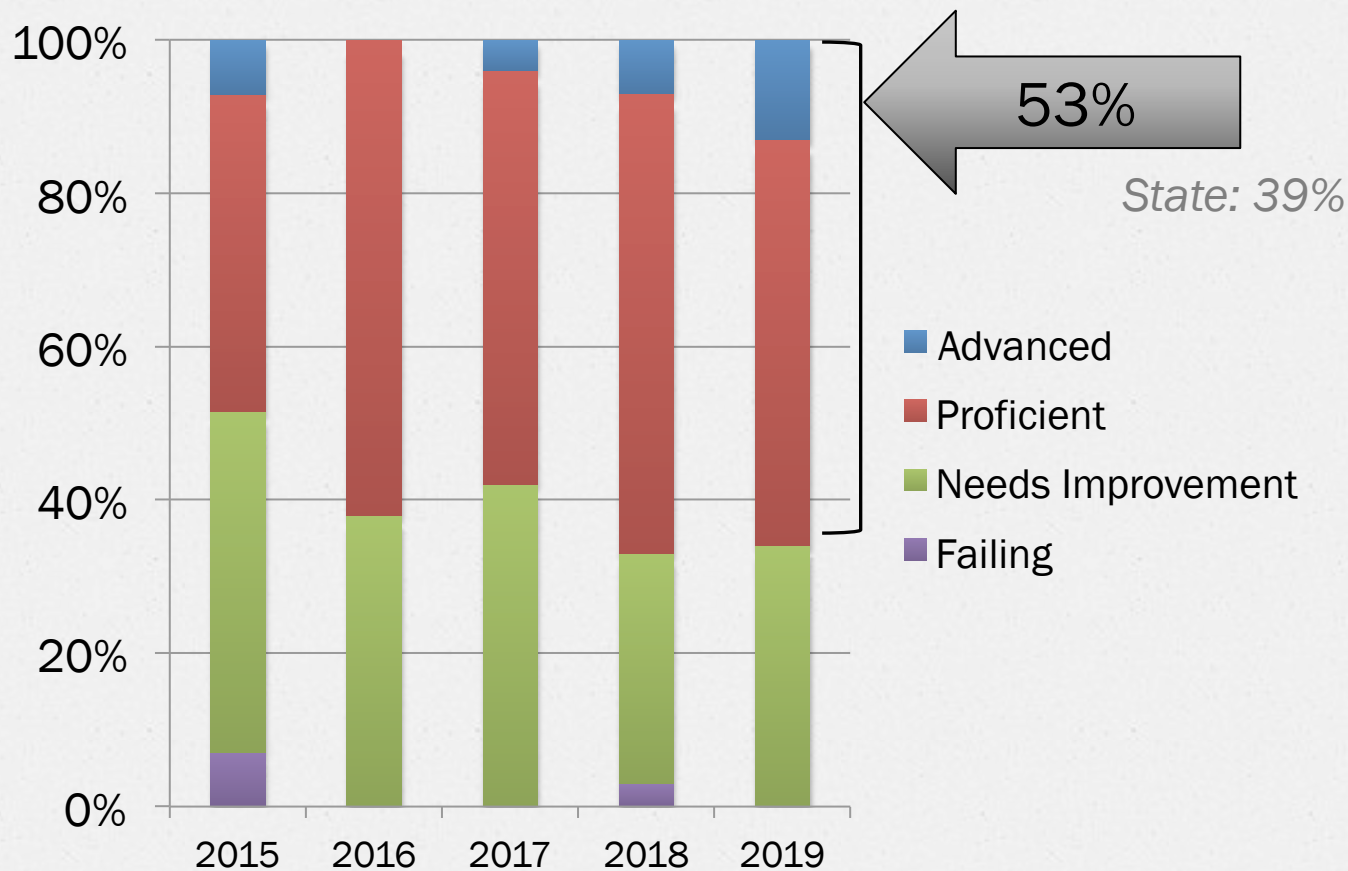


5 Year Trend in Science – All Students



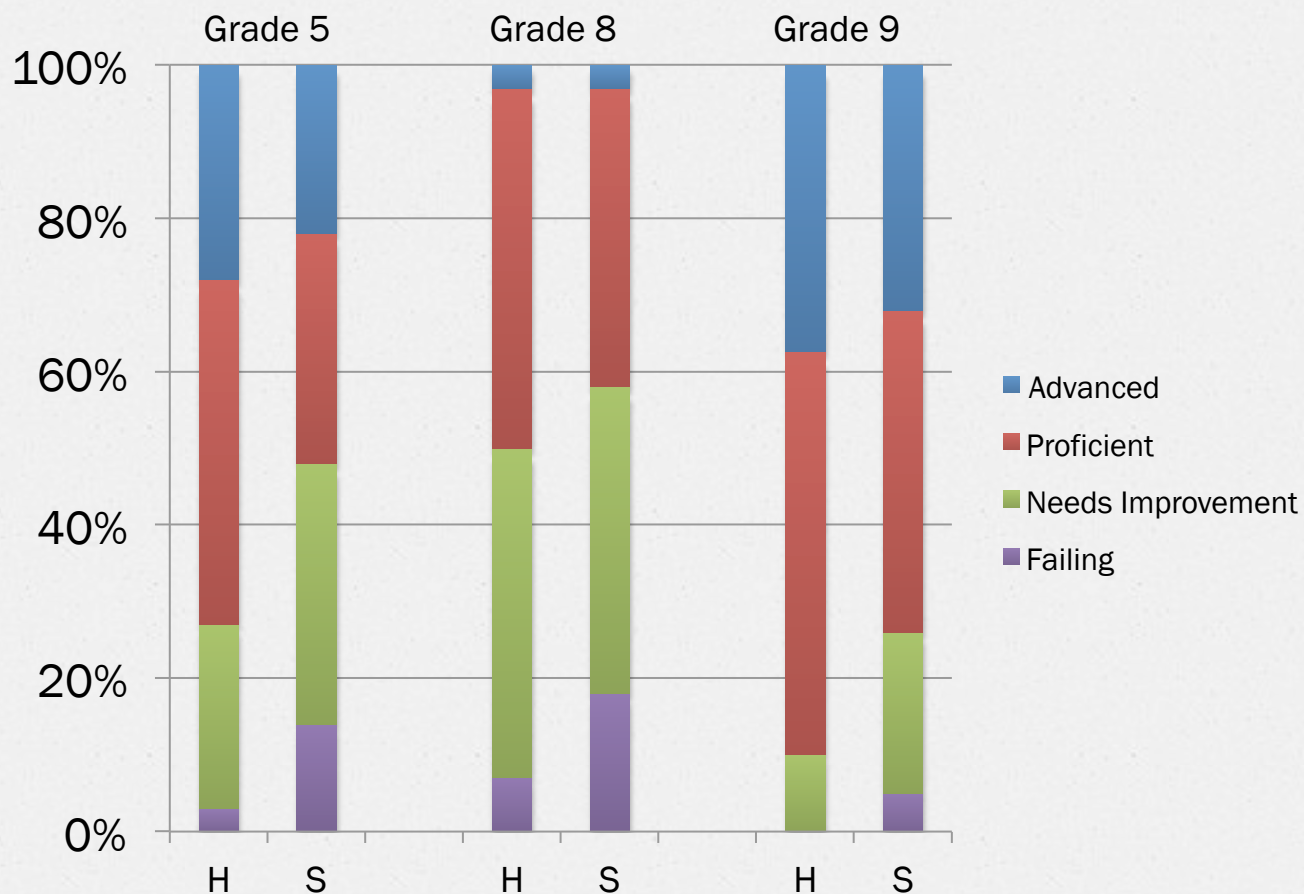


5 Year Trend in Science – Special Education



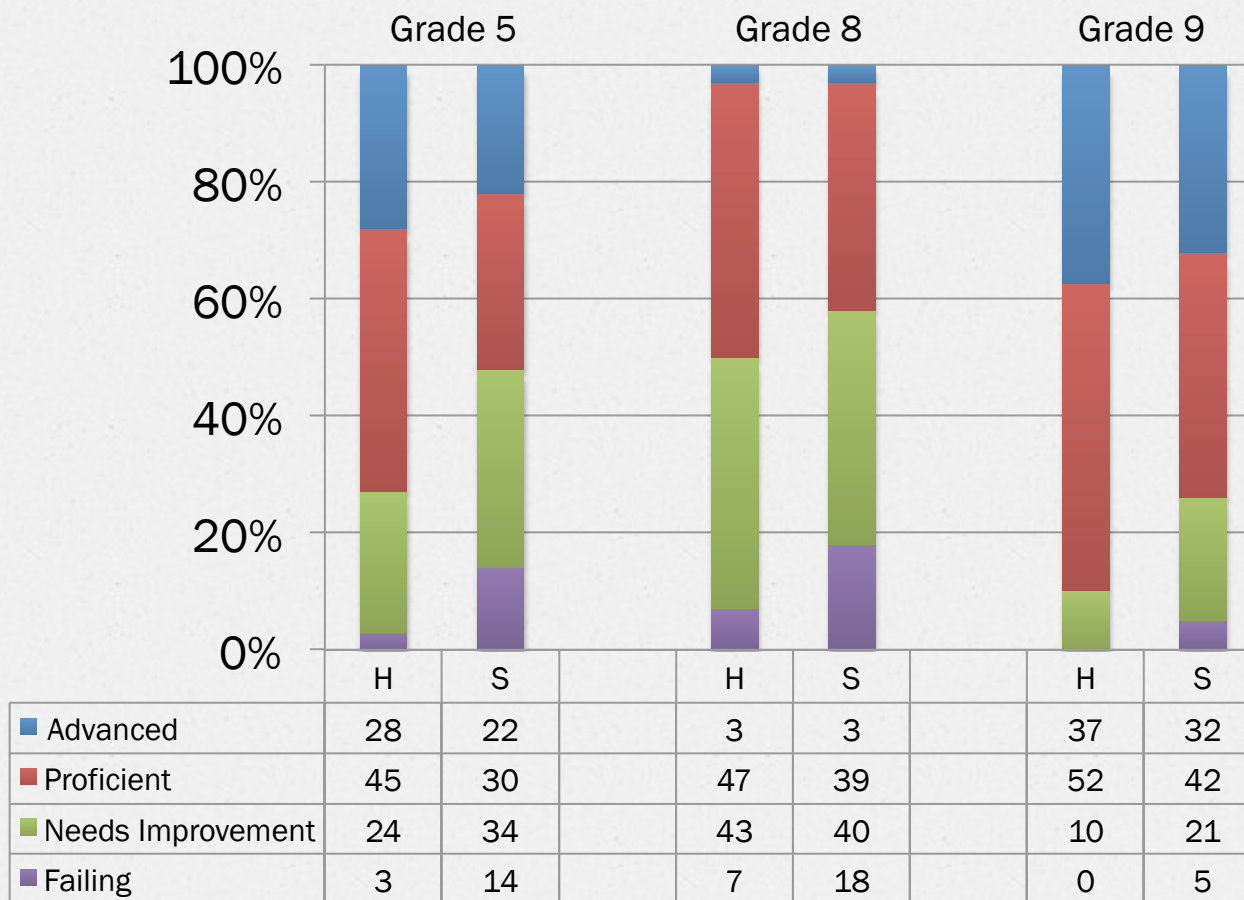


Class of 2019 in Science – All Students



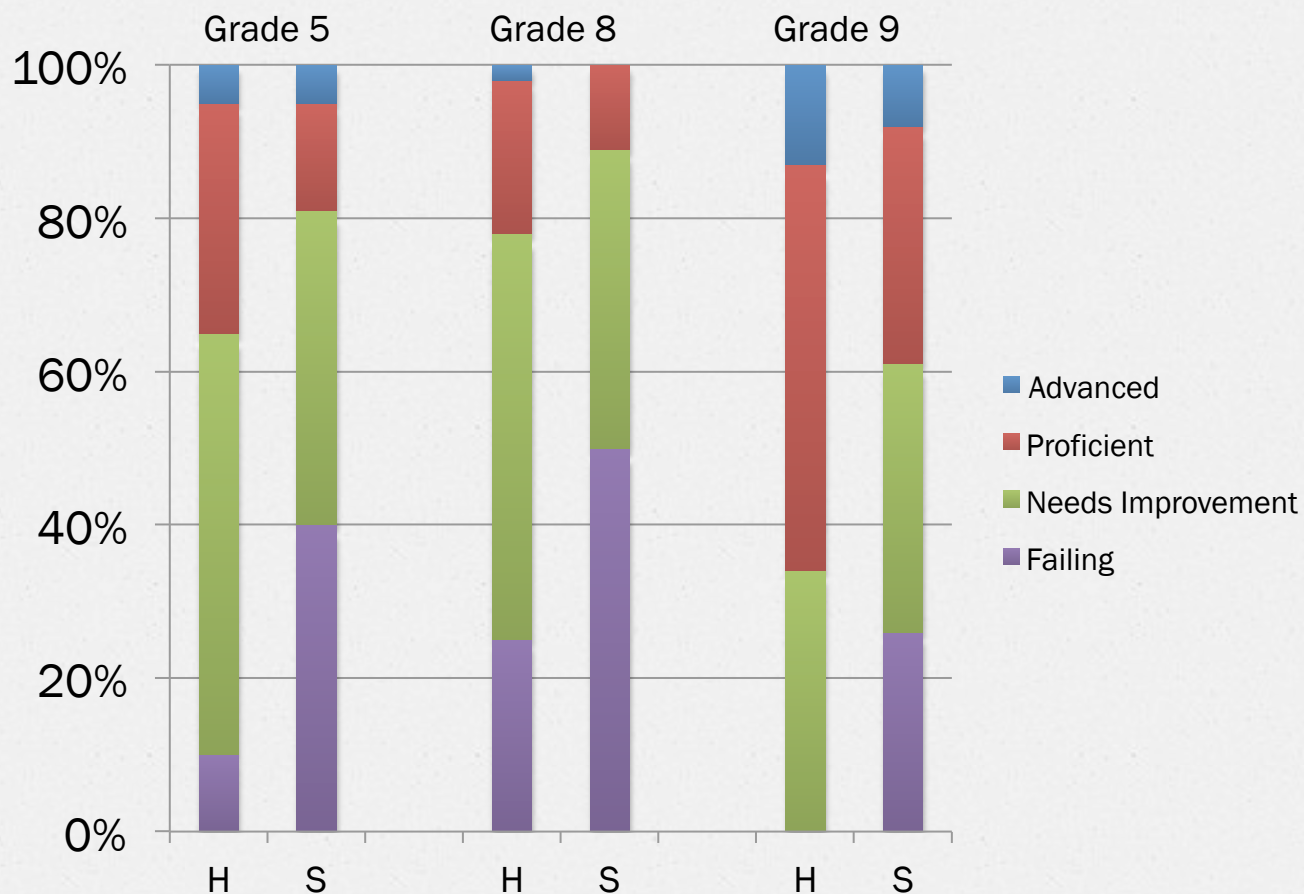


Class of 2019 in Science – All Students



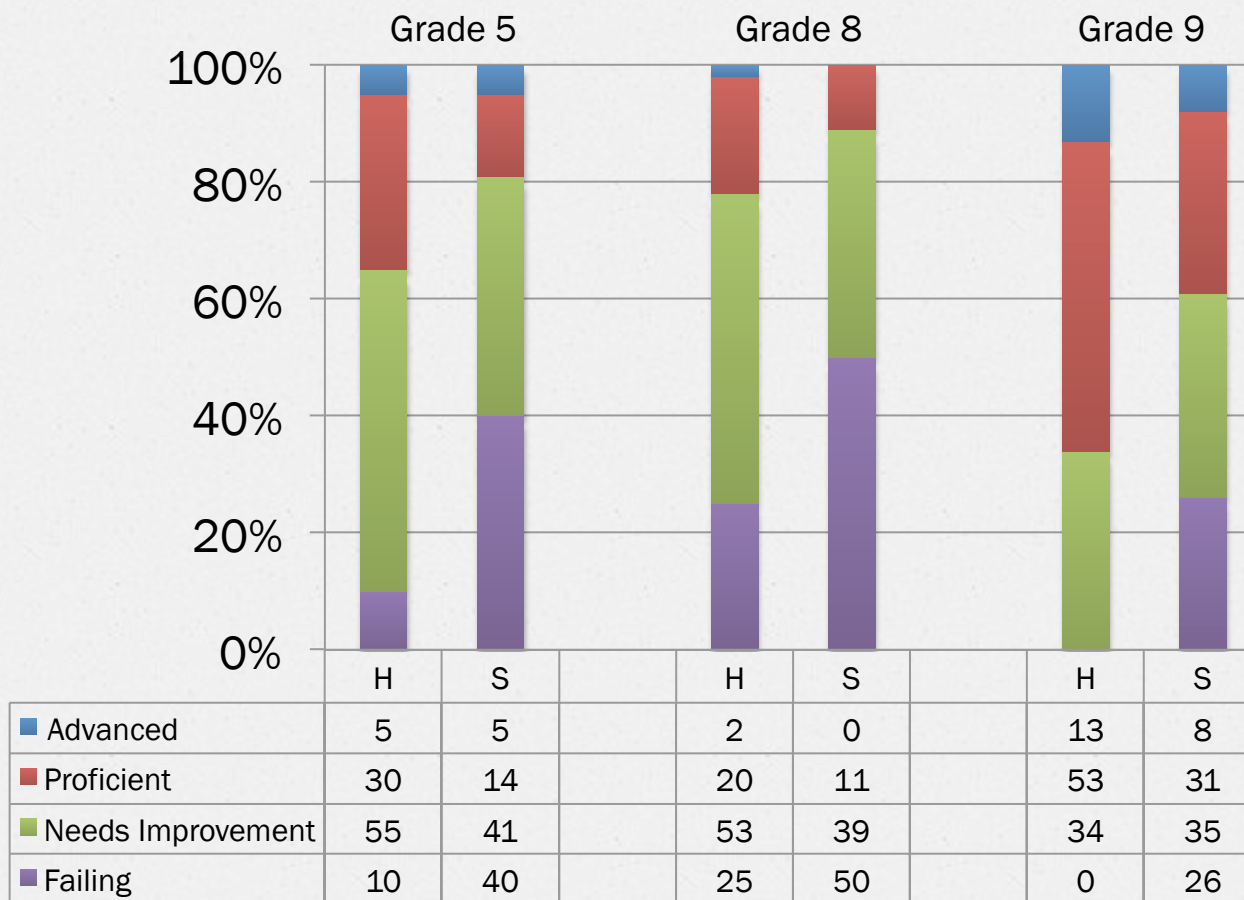


Class of 2019 in Science – Special Education



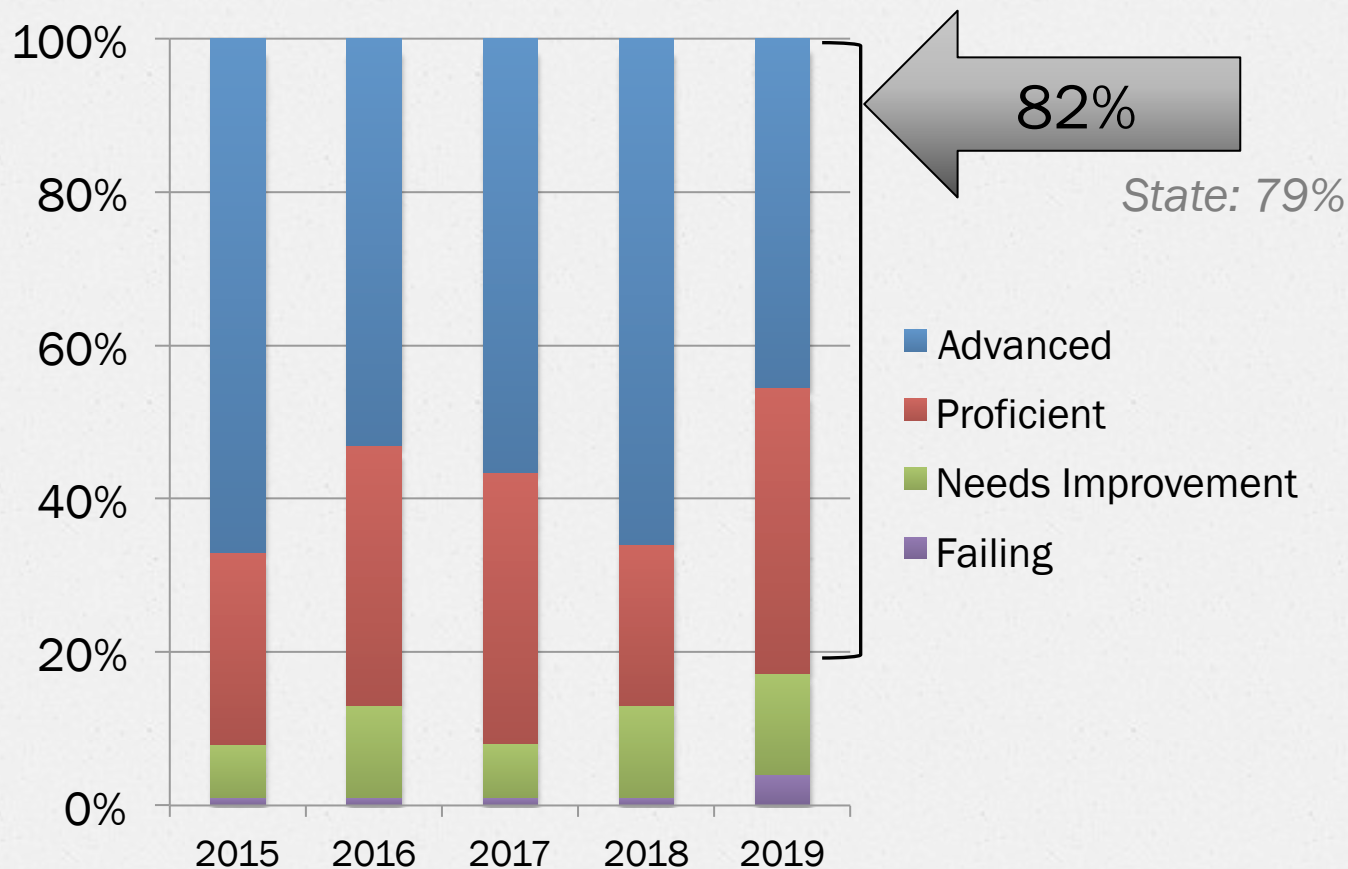


Class of 2019 in Science – Special Education



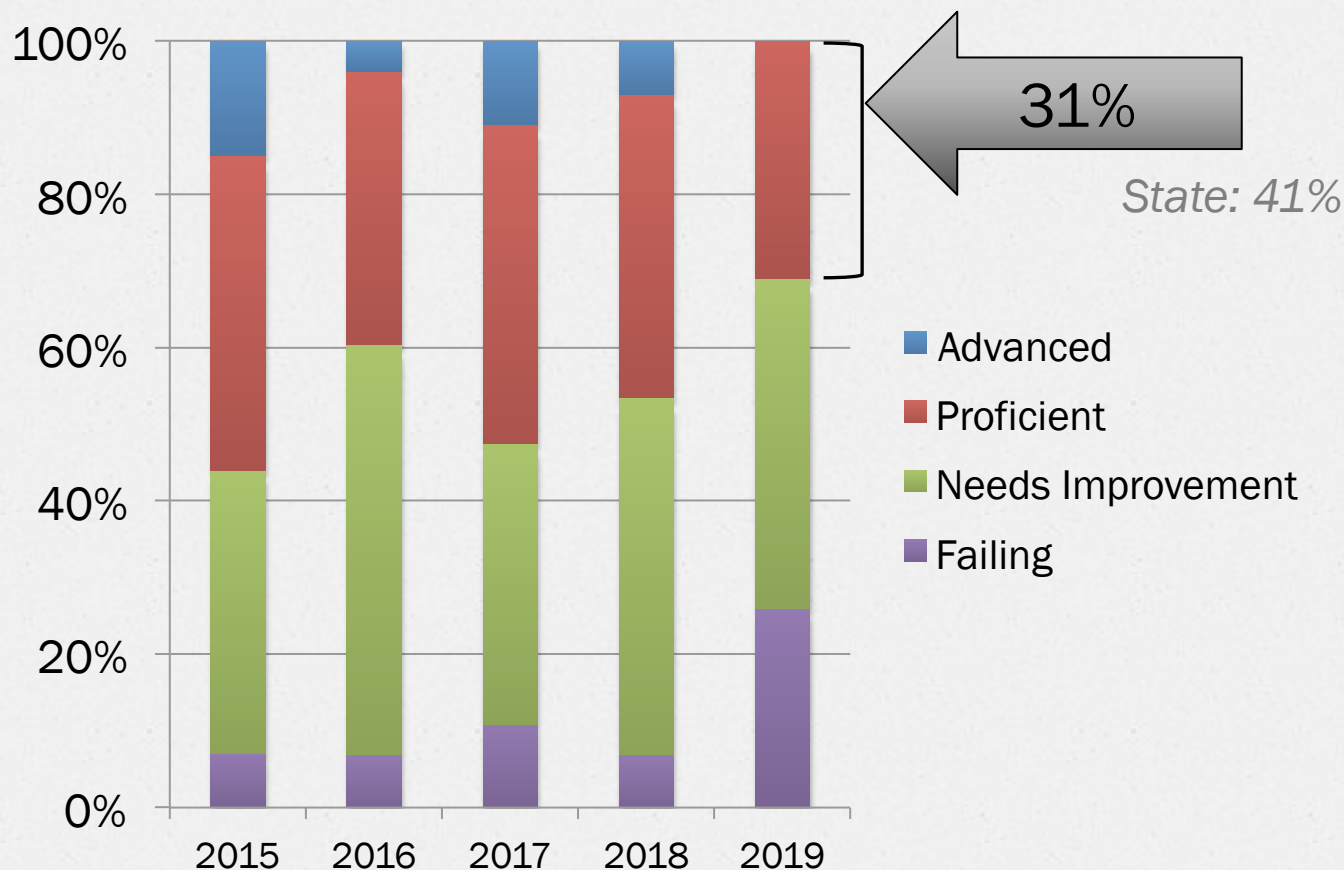


5 Year Trend in Math – All Students



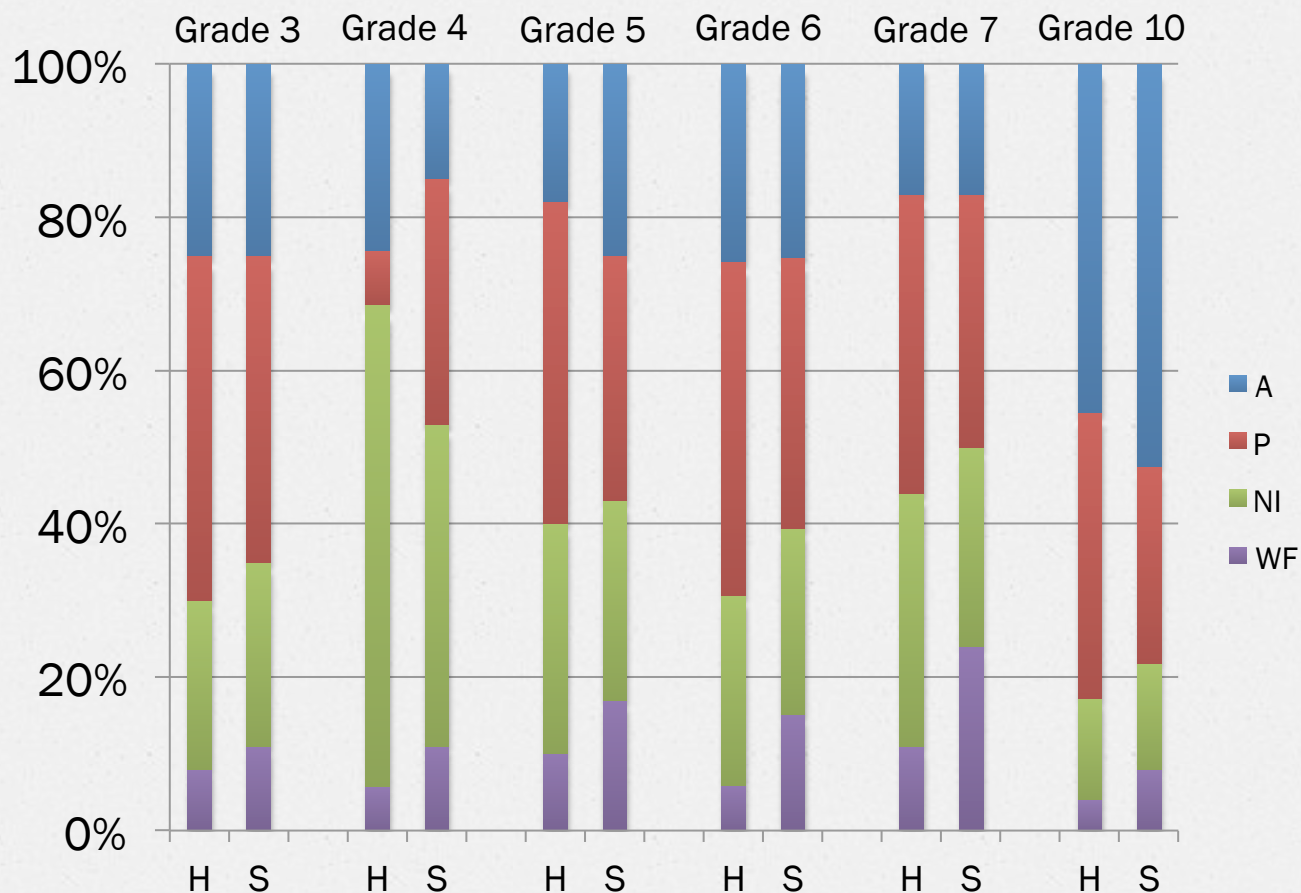


5 Year Trend in Math – Special Education



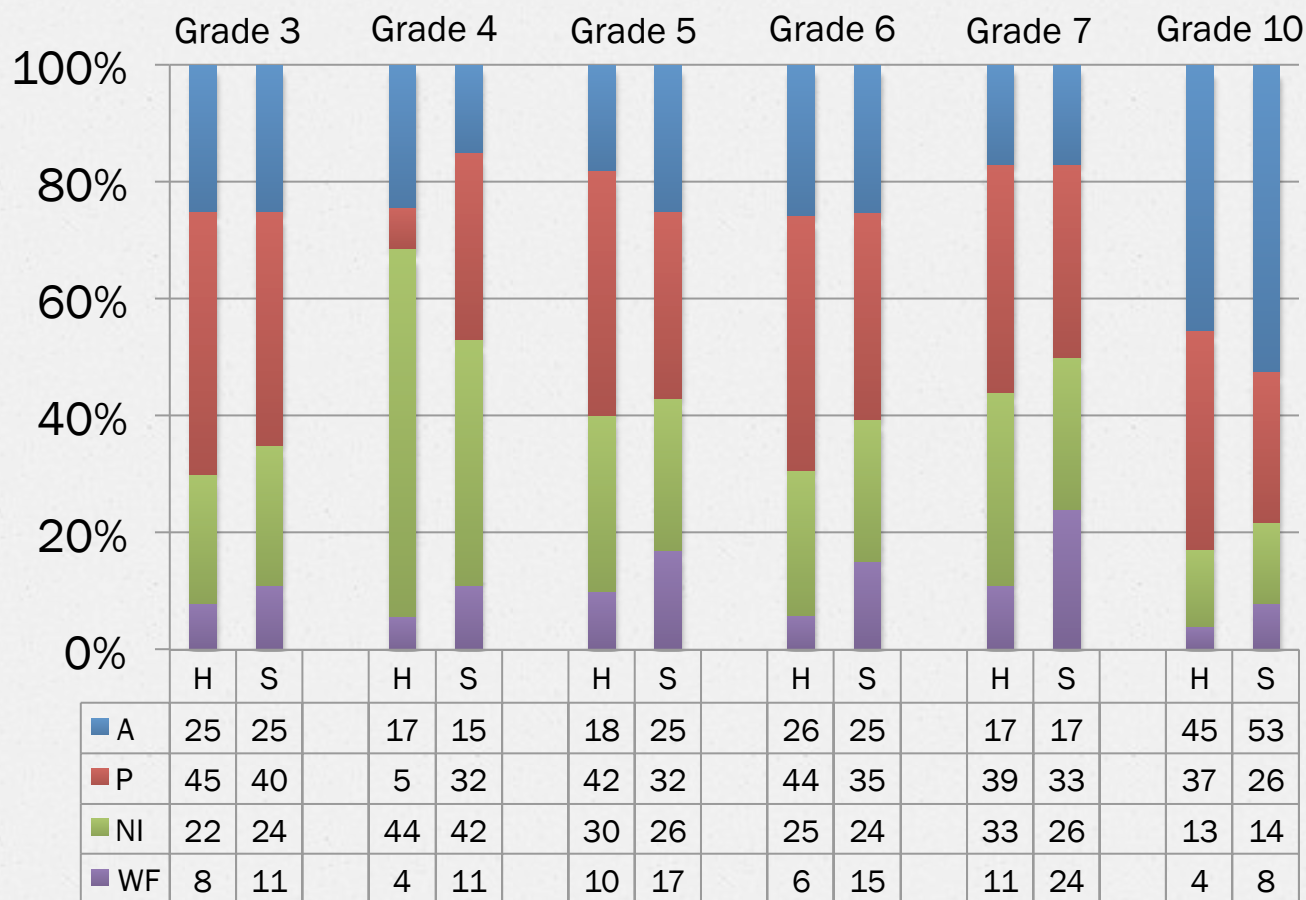


Class of 2019 in Math – All Students



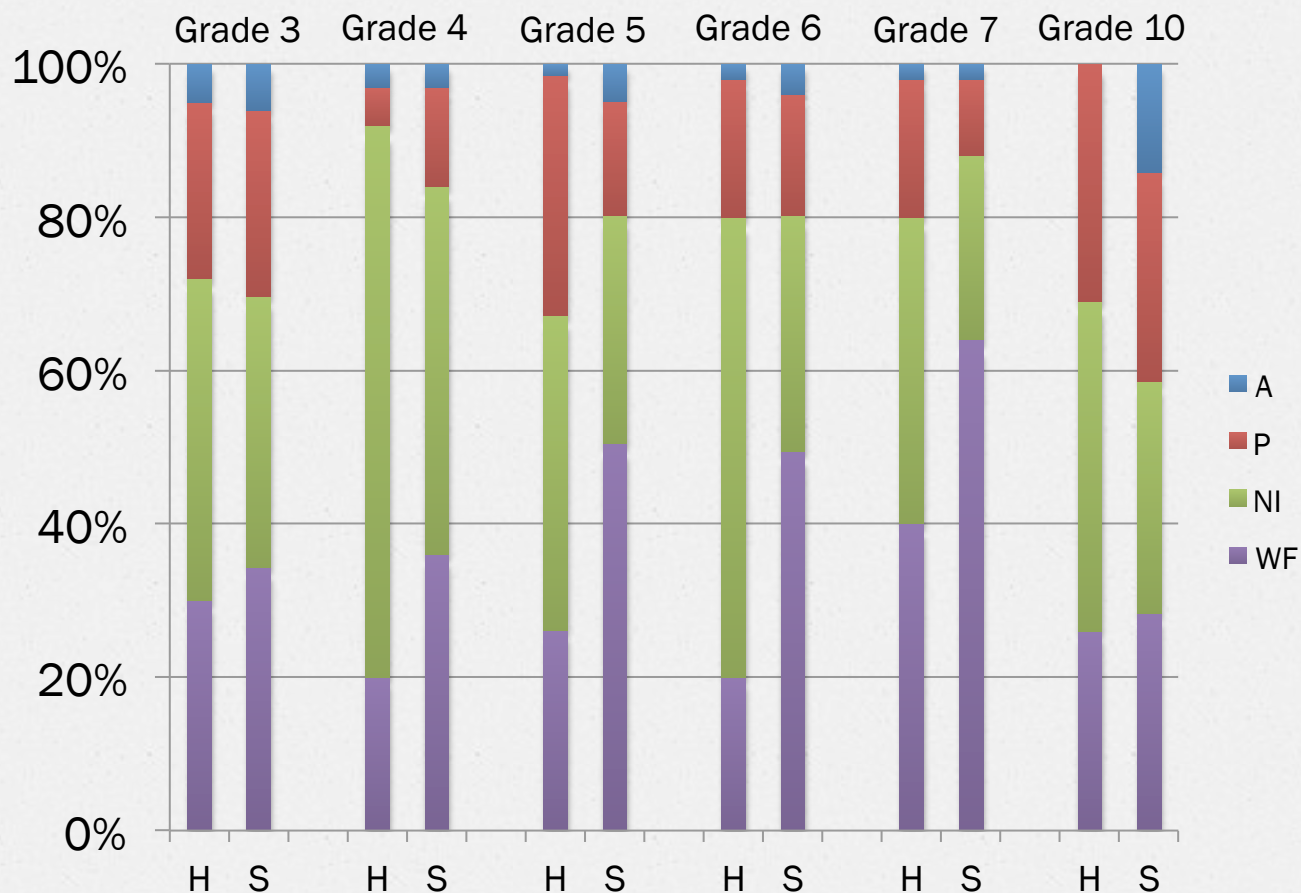


Class of 2019 in Math – All Students



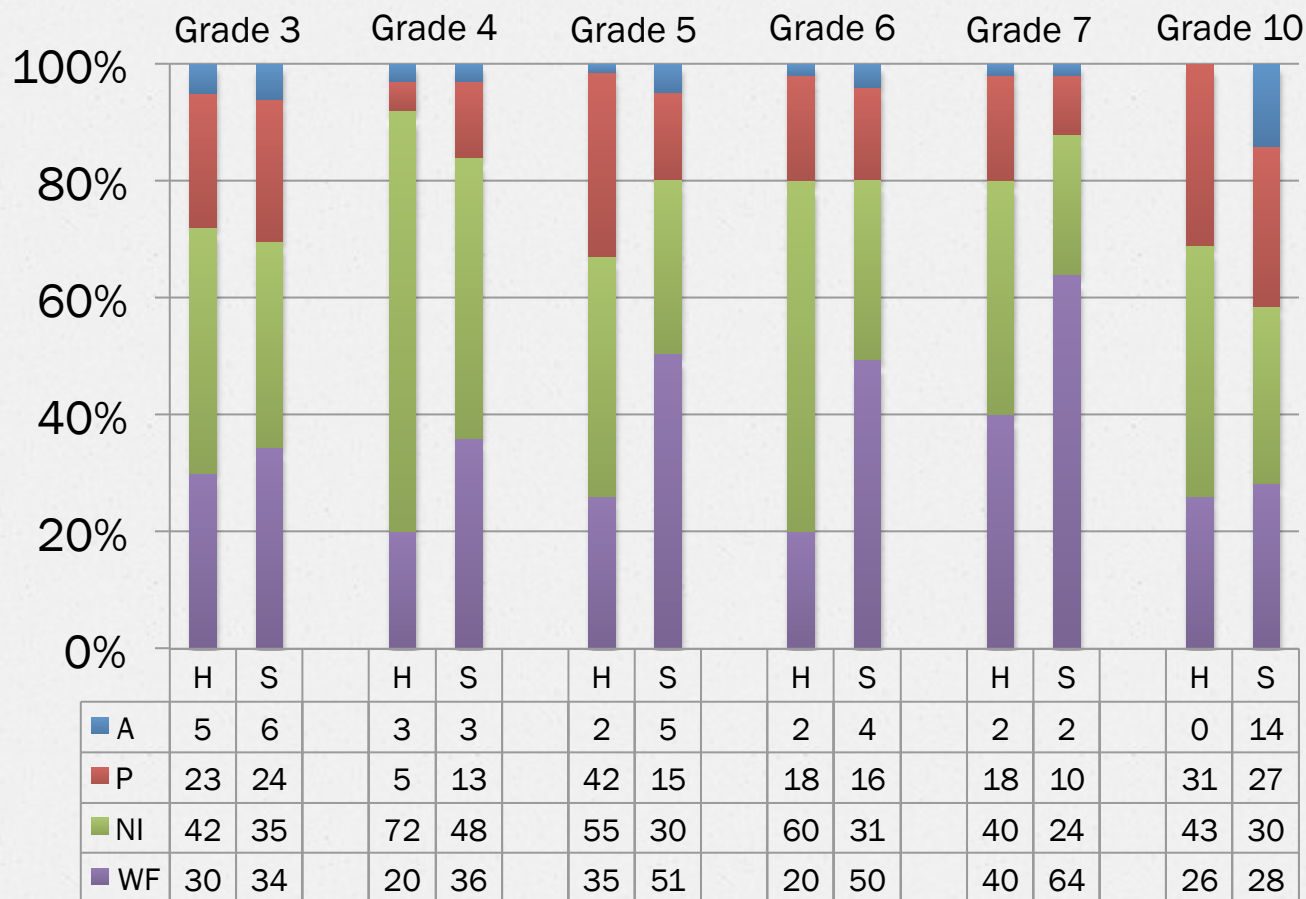


Class of 2019 in Math – Special Education



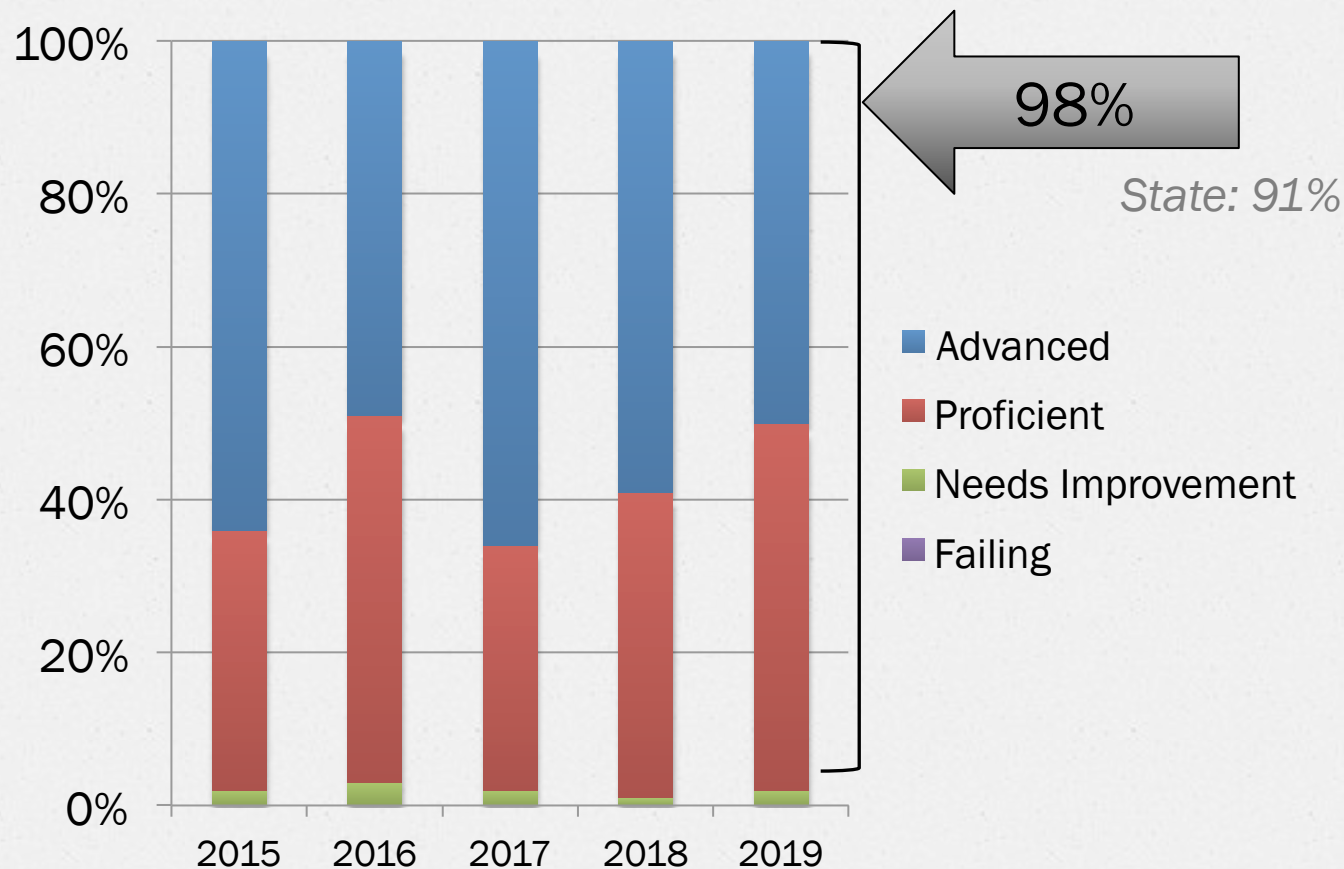


Class of 2019 in Math – Special Education



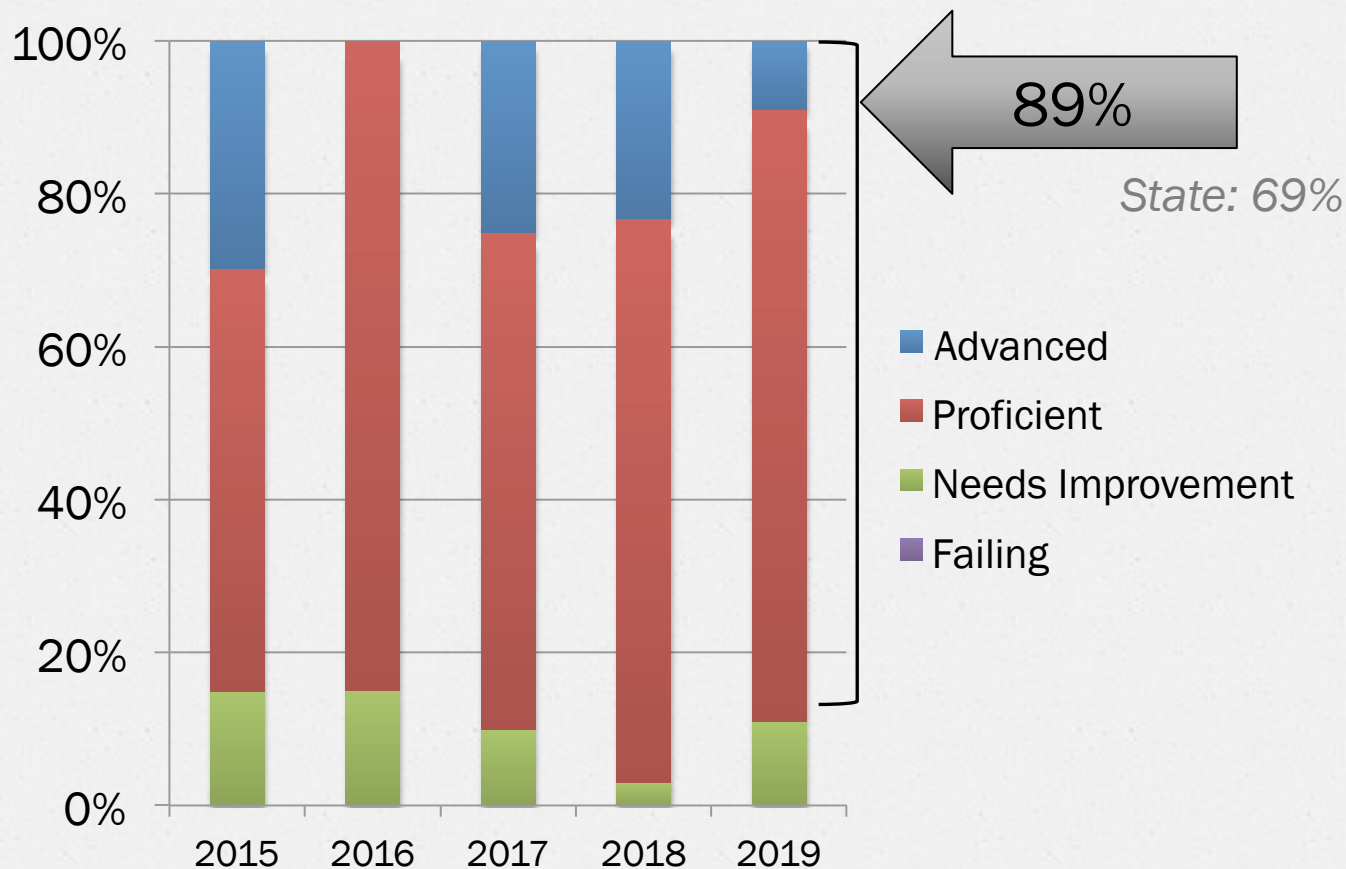


5 Year Trend in ELA – All Students



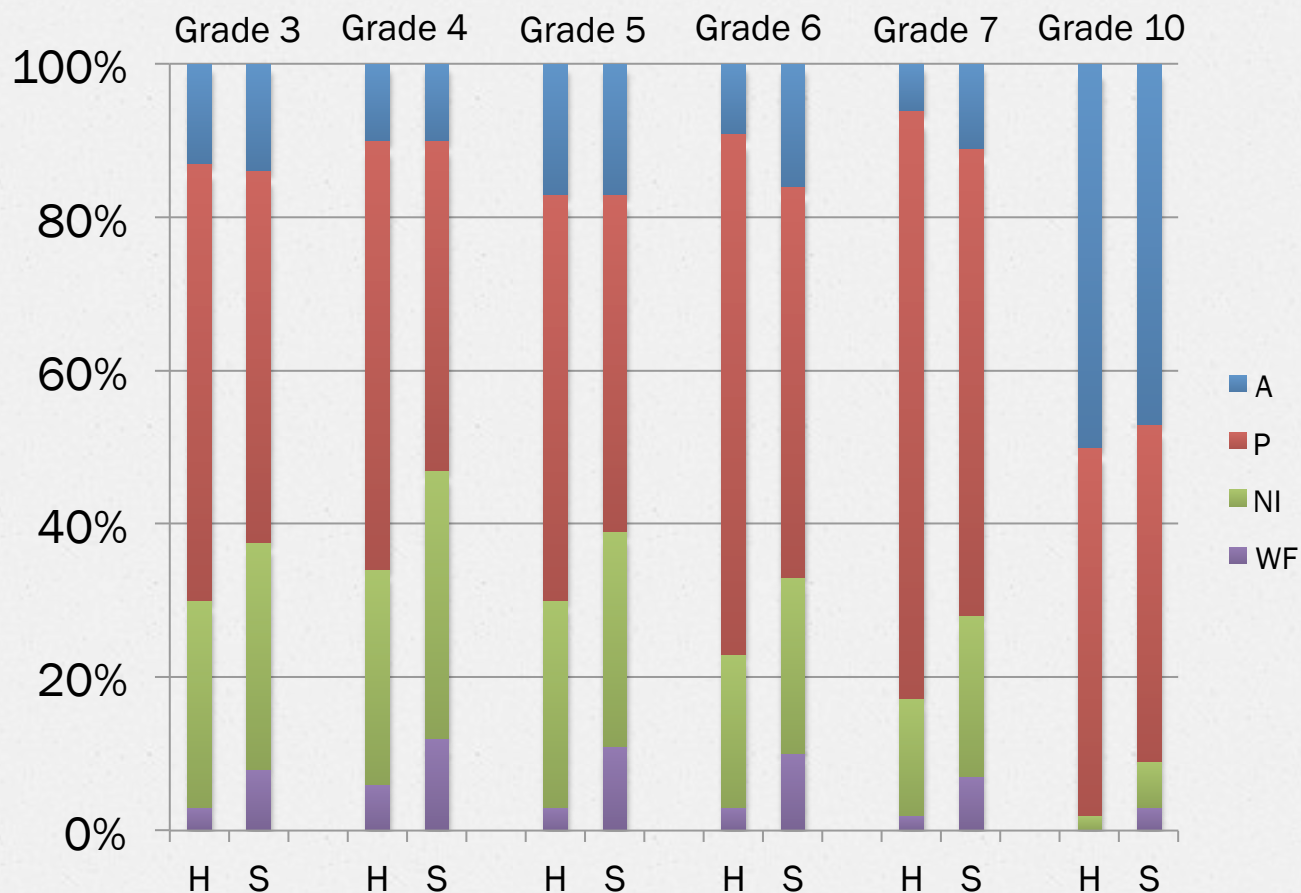


5 Year Trend in ELA – Special Education



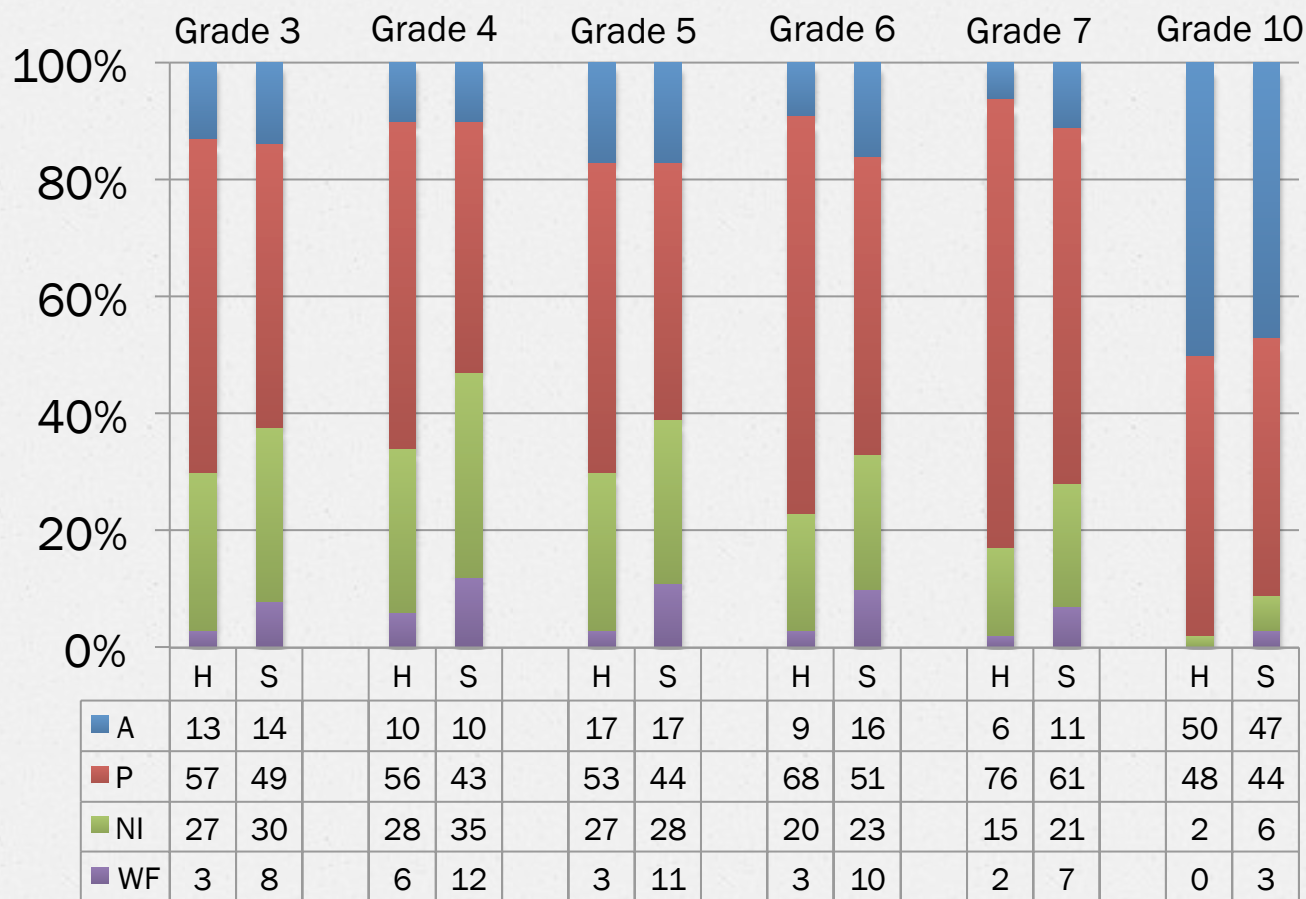


Class of 2019 in ELA – All Students



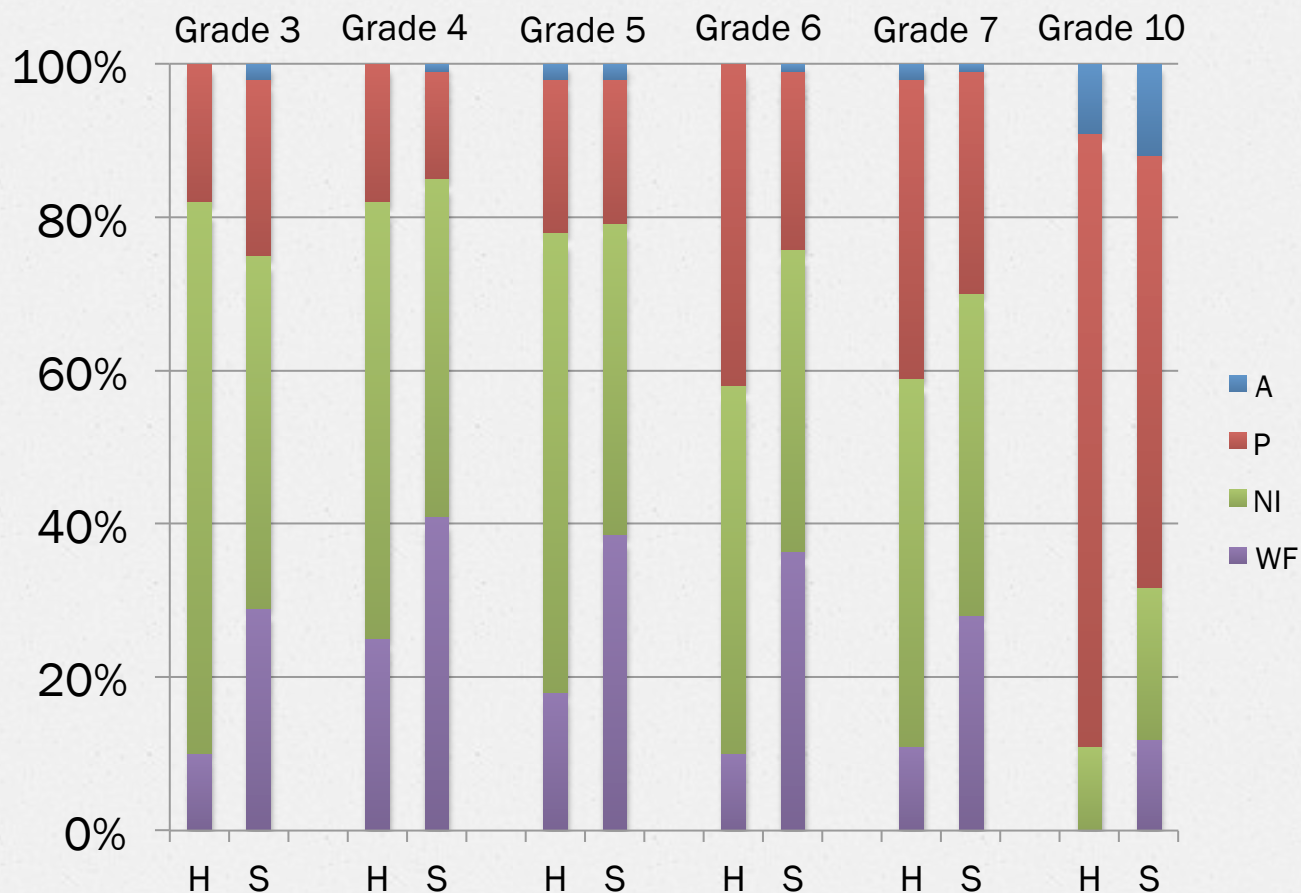


Class of 2019 in ELA – All Students



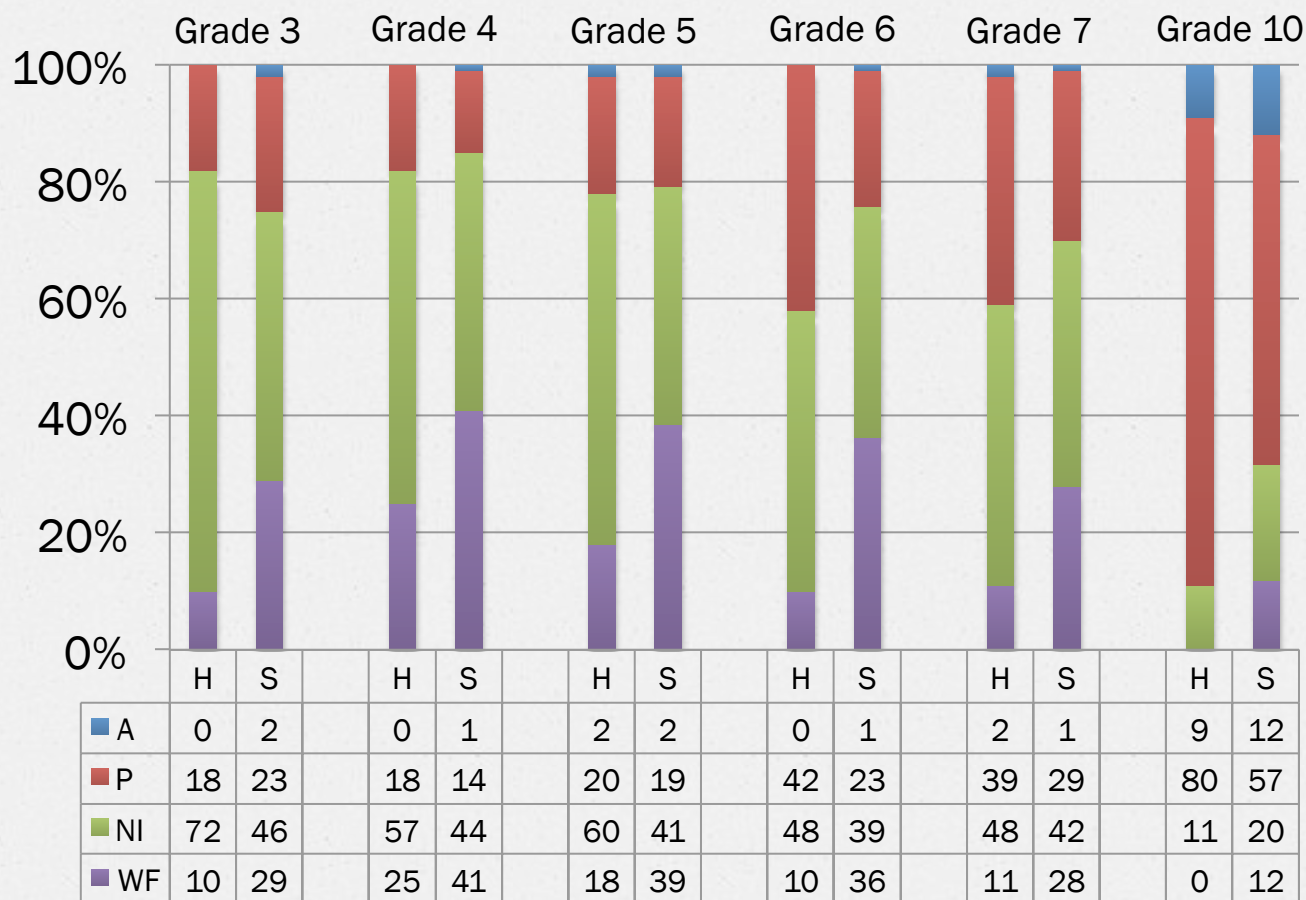


Class of 2019 in ELA – Special Education





Class of 2019 in ELA – Special Education





Advanced Placement

- Students enrolled in Advanced Placement classes take AP subject test in May
- Scoring: Scores are weighted and scaled and rated 1-5, with 5 being the highest
- Format: Multiple choice and open response (essay or problem solving)
- Some colleges will grant credit or waive requirements based on scores of 3 or higher
- National standardized test for students enrolled in AP classes



AP

What are we going to look at?

1. Five Year Trend of Enrollment and Scores

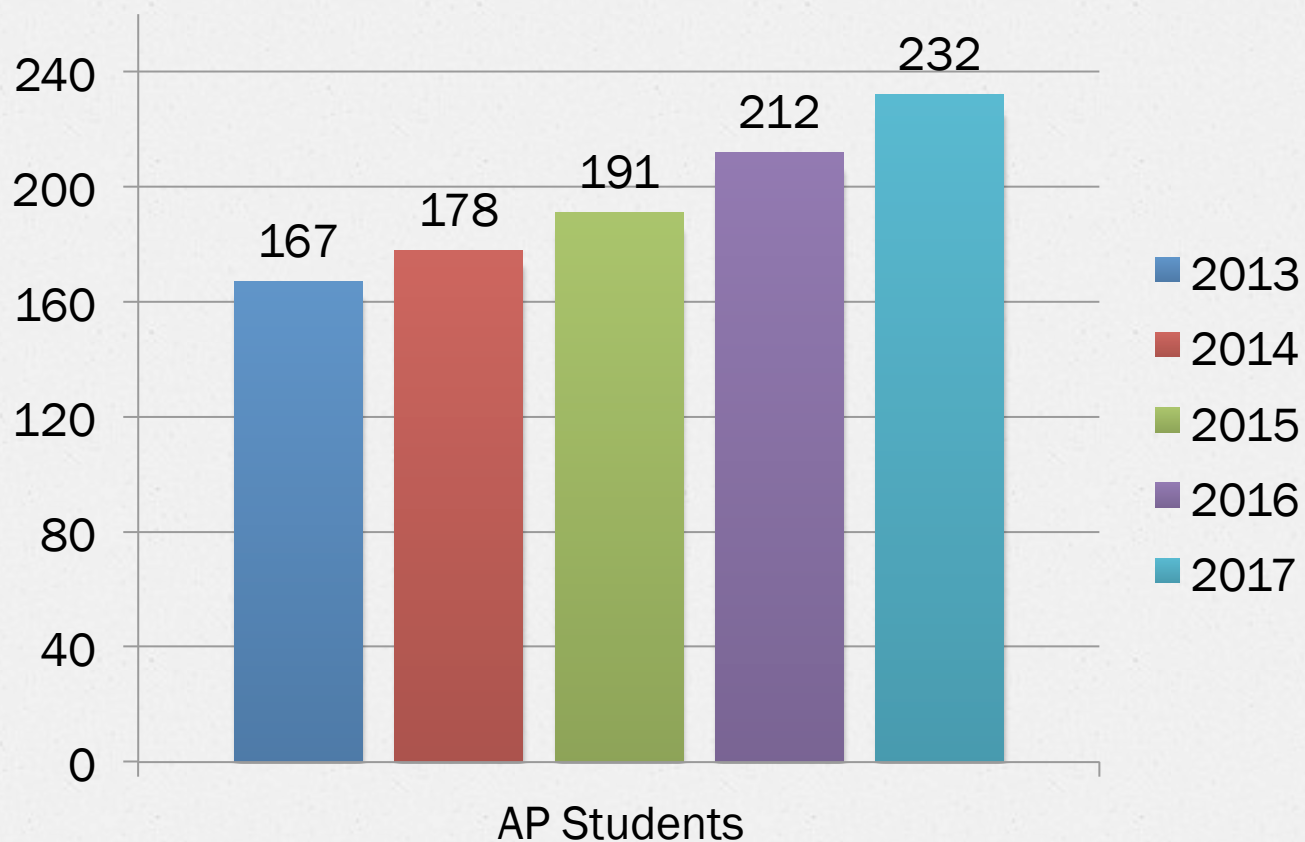
- Review the data from 2013, 2014, 2015, 2016, 2017

2. 2017 Results by Subject

- Review the results by department and subject

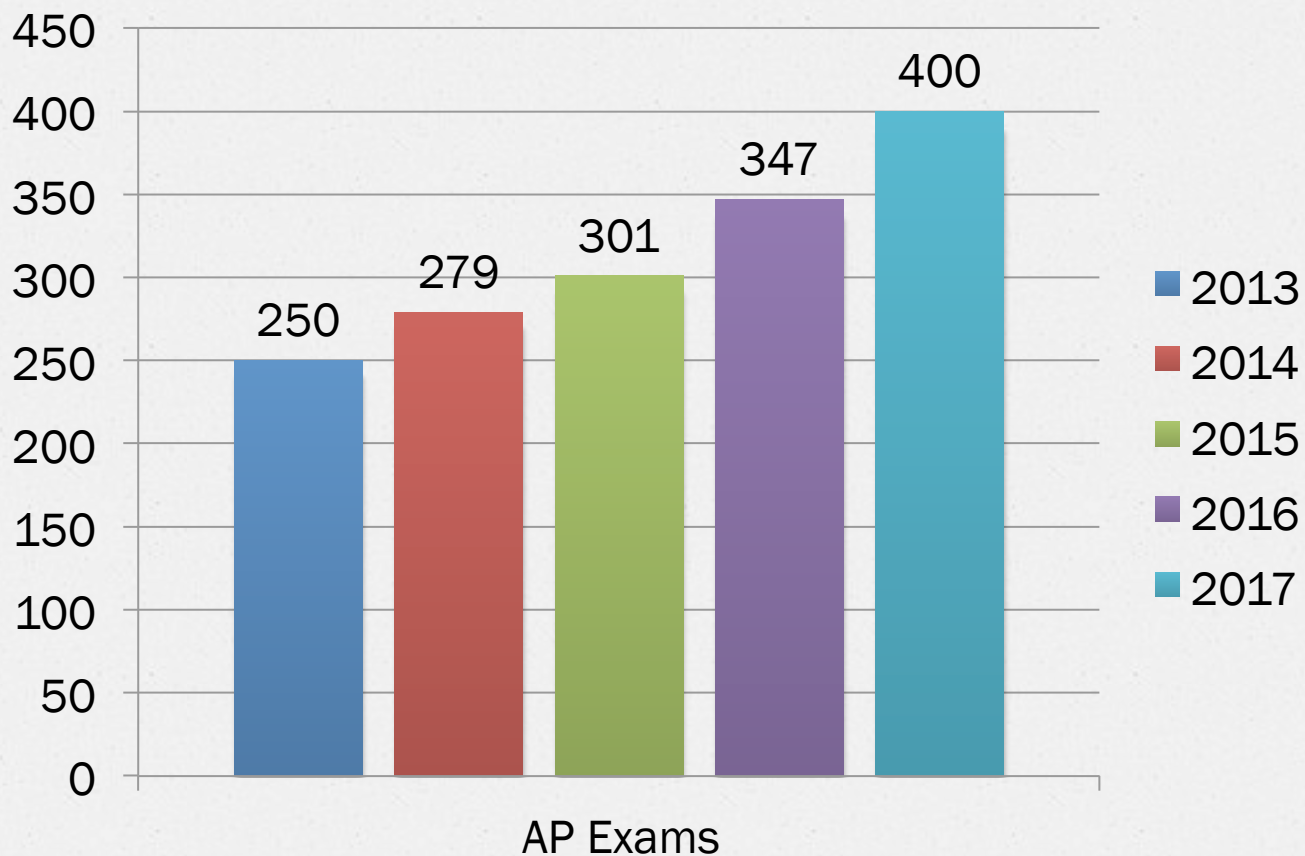


Number of Students Enrolled in AP





Number of AP Exams





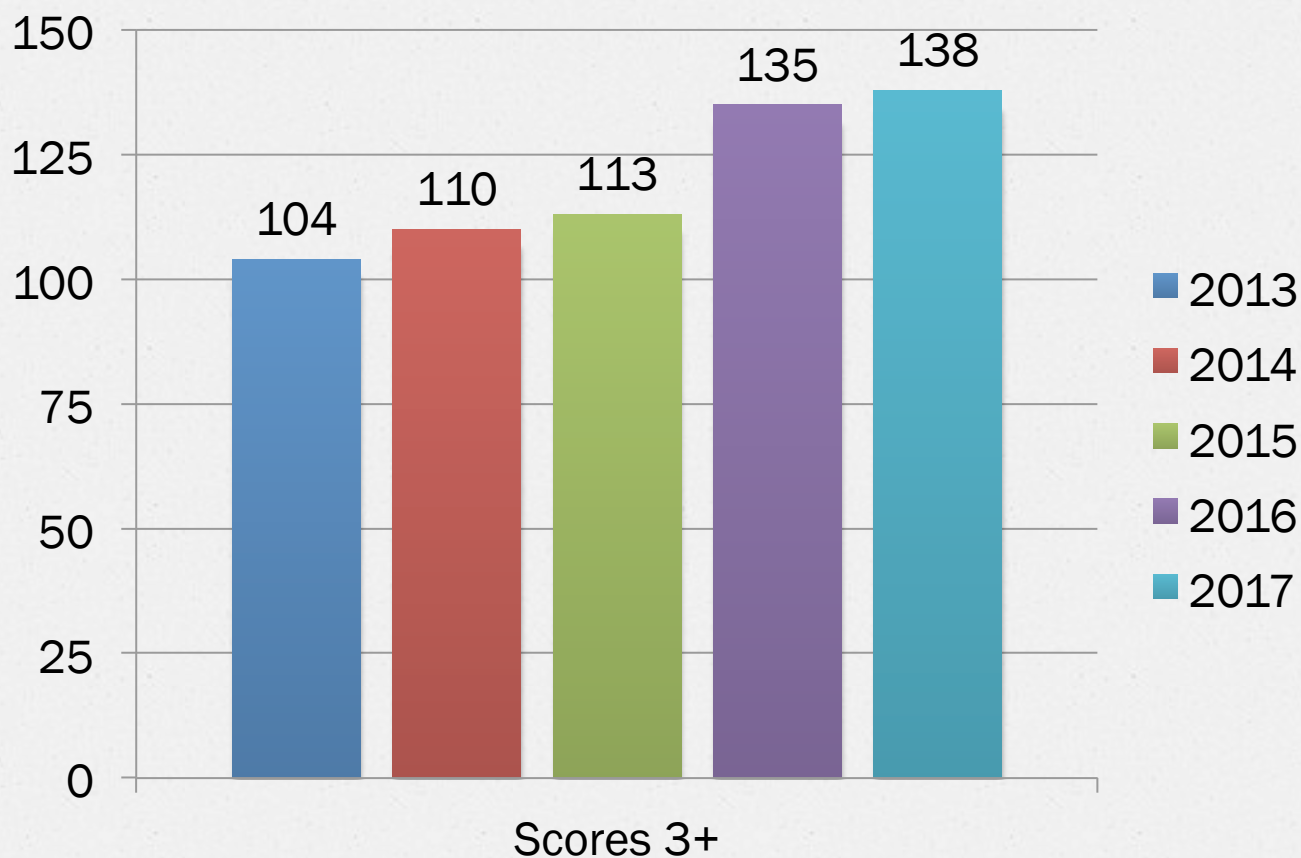
2016 – 2017 Students & Exams

*In May, there were 232 students that took 400 AP exams.
Many students took more than one exam.*

	Seniors	Juniors	Sophomores	Total Students	Total Exams
1 Exam	54	52	20	126	126
2 Exams	21	31	7	59	118
3 Exams	25	9	1	35	105
4 Exams	7	2		9	36
5 Exams	3			3	15
Totals	110	94	28	232	400



Number of Students Earning a Score of 3 or higher





Summary of Students

2014 – 2015		2015 – 2016		2016 – 2017	
Students	3+	Students	3+	Students	3+
191	59.2 %	212	63.7 %	232	59.5%

Summary of Exams

2014 – 2015		2015 – 2016		2016 – 2017	
Exams	3+	Exams	3+	Exams	3+
300	61.0 %	347	64.3 %	400	58.8%



Fine Arts

Subject	Exams	% Scores 3+	
		2017	5-yr average
3D Design	5	60.0%	64.9%
2D Drawing	12	91.7%	66.7%
Music Theory	3	33.3%	70.8%
Total	20	75.0%	77.0%



English

Subject	Exams	% Scores 3+	
		2017	5-yr average
AP Lang	29	93.1%	83.3%
AP Lit	43	53.5%	72.6%
Total	72	83.8%	77.0%



Foreign Language

Subject	Exams	% Scores 3+	
		2017	5-yr average
French	10	30.0%	56.0%
Spanish	5	60.0%	60.0%
Total	15	40.0%	77.0%



Mathematics

Subject	Exams	% Scores 3+	
		2017	5-yr average
Calculus AB	24	83.3%	84.3%
Comp Science	6	33.3%	54.5%
Total	30	40.0%	77.0%



Science

Subject	Exams	% Scores 3+	
		2017	5-yr average
Biology	38	52.6%	44.7%
Chemistry	21	38.1%	50.8%
Environmental	48	29.2%	26.6%
Physics 1	21	47.6%	54.7%
Physics 2	8	75.0%	60.0%
Total	136	42.6%	39.6%



Social Studies

Subject	Exams	% Scores 3+	
		2017	5-yr average
Government	19	52.6%	64.9%
US History	20	85.0%	84.8%
World	29	93.1%	93.8%
Psychology	55	70.9%	52.9%
Total	126	75.4%	66.4%



Summary of AP Exams Scores & Enrollment

2014 – 2015		2015 – 2016		2016 – 2017		2017 – 2018	
Exams 3+	%	Exams 3+	%	Exams 3+	%	Exams 3+	%
183	61.0 %	221	63.7 %	235	58.8%	?	?
300		347		400		457*	

*Anticipated



SAT

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



SAT

What are we going to look at?

1. Class of 2017

- ELA and Math Benchmarks

2. Class of 2018

- ELA and Math Benchmarks



Class of 2017 – SAT Benchmarks

State

Met both benchmarks

56%

Mean Total Score

1103

Evidence-based Reading and Writing Benchmark



Math Benchmark



49,536 Test Takers

72,116 Enrolled

69% Participation

Hanover

Met both benchmarks

56%

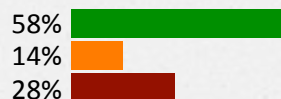
Mean Total Score

1100

Evidence-based Reading and Writing Benchmark



Math Benchmark



179 Test Takers

200 Enrolled

90% Participation

Nation

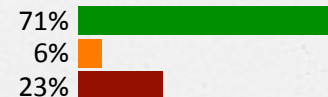
Met both benchmarks

48%

Mean Total Score

1071

Evidence-based Reading and Writing Benchmark



Math Benchmark



1,824,209 Test Takers

3,868,228 Enrolled

47% Participation



Class of 2018 – SAT Benchmarks

State

Met both benchmarks

58%

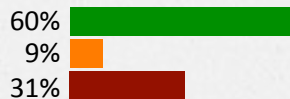
Mean Total Score

1111

Evidence-based Reading and Writing Benchmark



Math Benchmark



49,879 Test Takers

75,563 Enrolled

66% Participation

Hanover

Met both benchmarks

69%

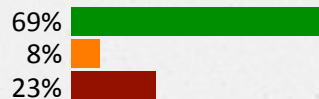
Mean Total Score

1141

Evidence-based Reading and Writing Benchmark



Math Benchmark



180 Test Takers

191 Enrolled

94% Participation

Nation

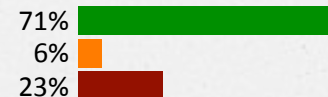
Met both benchmarks

48%

Mean Total Score

1073

Evidence-based Reading and Writing Benchmark



Math Benchmark



2,048,131 Test Takers

4,029,241 Enrolled

51% Participation