

Canton Public  
Schools  
Advanced Placement  
Testing

May 2018

## What is AP... or “Advanced Placement”?

The College Board's [Advanced Placement Program](#) (AP) is an extensive program that offers high school students the chance to participate in college level classes, thereby broadening their intellectual horizons and preparing them for college work. It also plays a large part in the college admissions process, showing both a student's intellectual capacity and his or her genuine interest in learning. The program also allows students to earn college credit for high performance; many colleges award 3 credits for scores of 3 or above on various AP exams.

## What AP classes did CHS students take in 2017/18?

- Biology
- Calculus AB and BC
- Chemistry
- English Language & Composition
- English Literature & Composition
- Environmental Science
- Music Theory
- Spanish
- U.S. History
- Statistics
- Comparative Government
- Physics
- World History

## Canton's Results vs. Global Results

AP is an International test. So, how well do Canton's students do on the AP tests when compared to the State and the rest of the world?

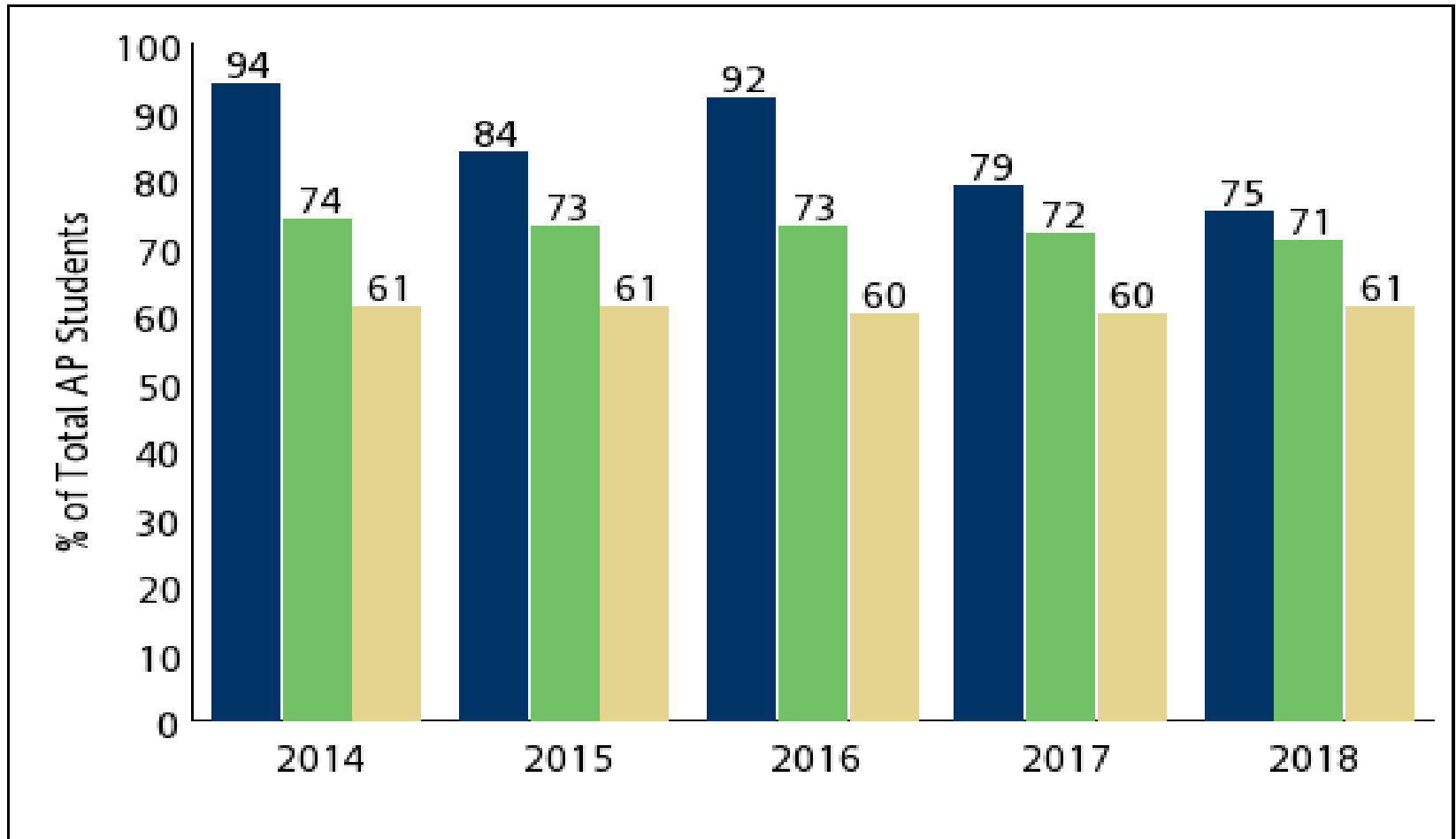
On the next slide, Canton's averages for 2014 – 2018 are shown.

Canton's students outperform the State and the World on the Advanced Placement exams.

# Canton's Results vs. Global Results

Canton High School (070115)

% of Total AP Students with Scores 3+



■ Canton High School (070115) ■ Connecticut ■ Global

# 5 Year Summary

## 2014 2015 2016 2017 2018 Canton High School (070115)

Total AP Students	102	123	108	172	143
Number of Exams	195	212	220	269	232
AP Students with Scores 3+	96	103	99	136	107
% of Total AP Students with Scores 3+	94.1	83.7	91.7	79.1	74.8

## Connecticut

Total AP Students	32,202	33,885	34,533	35,935	37,275
Number of Exams	59,358	62,886	64,881	67,734	70,315
AP Students with Scores 3+	23,944	24,642	25,074	25,928	26,525
% of Total AP Students with Scores 3+	74.4	72.7	72.6	72.2	71.2

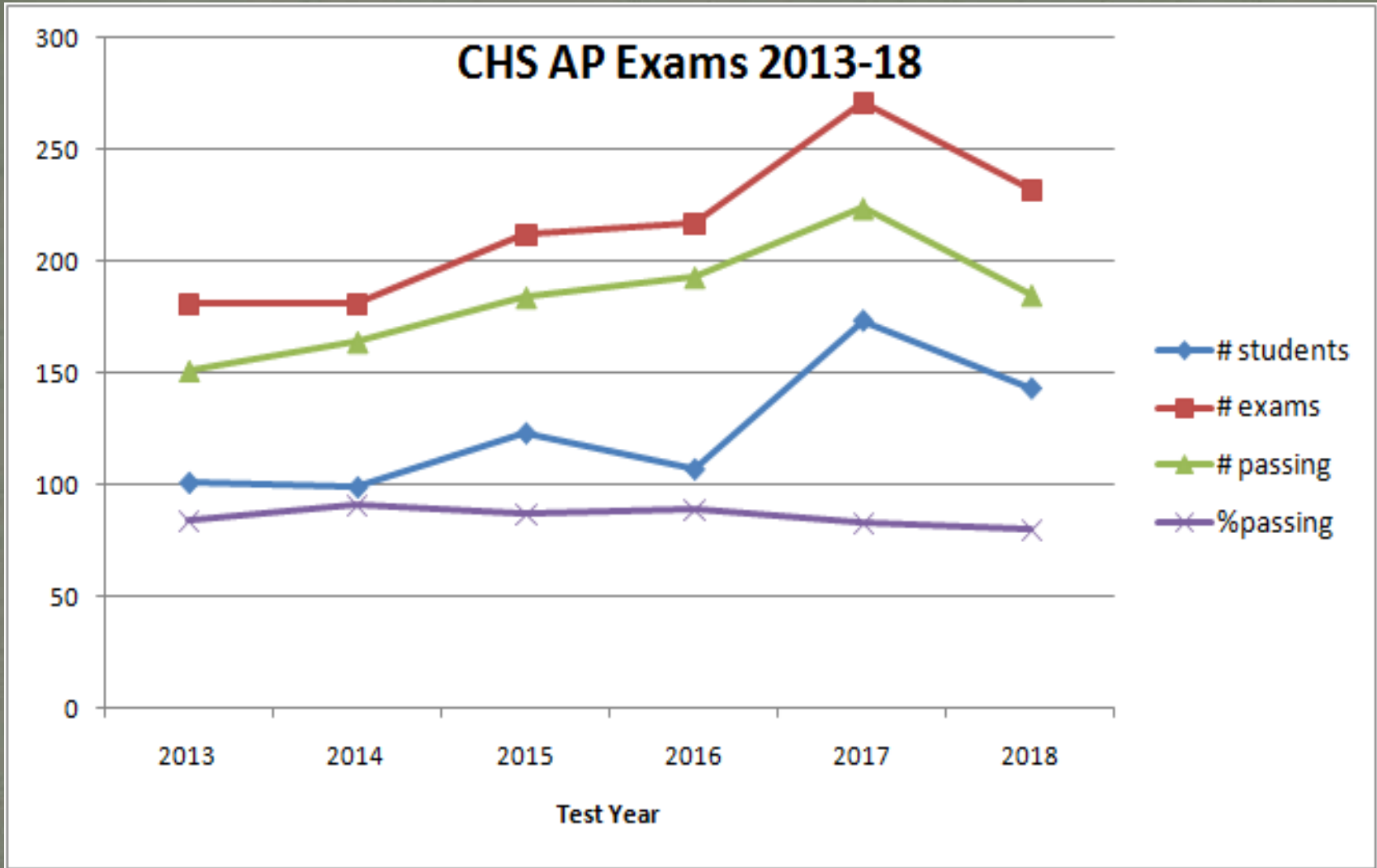
## Global

Total AP Students	2,352,026	2,497,164	2,625,319	2,762,293	2,827,137
Number of Exams	4,199,454	4,516,044	4,741,566	5,006,273	5,129,734
AP Students with Scores 3+	1,442,136	1,515,264	1,583,115	1,666,078	1,734,395
% of Total AP Students with Scores 3+	61.3	60.7	60.3	60.3	61.3

12 Students “opted out” of AP test(s). (155 total AP students)

13 Tests were not taken (245 tests)

For 2018, we have **302 “exams”** to be taken based on current enrollment



232 students completed exams -12 students “opted out”  
 2018/2019- 302 scheduled student

<b>Subject</b>	<b># Taking AP Test</b>	<b>Canton average</b>	<b>State Average</b>
<b>Biology</b>	<b>12 (17)</b>	<b>3.83</b>	<b>3.16</b>
<b>Calculus (AB)</b>	<b>10 (15)</b>	<b>4.22</b>	<b>3.16</b>
<b>Chemistry</b>	<b>12 (16)</b>	<b>4.25</b>	<b>3.19</b>
<b>Physics</b>	<b>8 (6)</b>	<b>3.63</b>	<b>2.73</b>
<b>Music Theory</b>	<b>5 (9)</b>	<b>3.20</b>	<b>3.32</b>
<b>Spanish</b>	<b>15 (10)</b>	<b>4.00</b>	<b>3.75</b>
<b>Statistics</b>	<b>29 (30)</b>	<b>3.72</b>	<b>3.03</b>



<b>Subject</b>	<b># Taking AP Test</b>	<b>Canton average</b>	<b>State Average</b>
<b>World History</b>	<b>35 (39)</b>	<b>2.63</b>	<b>3.13</b>
<b>U.S. History</b>	<b>16 (25)</b>	<b>3.69</b>	<b>3.09</b>
<b>Comparative Government</b>	<b>19 (39)</b>	<b>4.00</b>	<b>3.34</b>
<b>English Lit. &amp; Comp. (12<sup>th</sup>)</b>	<b>18 (28)</b>	<b>3.61</b>	<b>2.89</b>
<b>English Lang. &amp; Comp. (11<sup>th</sup>)</b>	<b>26 (35)</b>	<b>3.73</b>	<b>3.28</b>
<b>Environmental Science</b>	<b>25 (34)</b>	<b>2.80</b>	<b>2.93</b>
<b>Totals</b>	<b>232 (302)</b>	<b>3.53</b>	<b>3.21</b>

# Canton High School Totals

**Total AP Students in Your School: 143**

School Totals for this View	5	4	3	2	1	Total Exams
Number of Exams	50	75	60	43	4	232
Percentage of Total Exams	22	32	26	19	2	100
Number of AP Students	31	59	53	40	4	

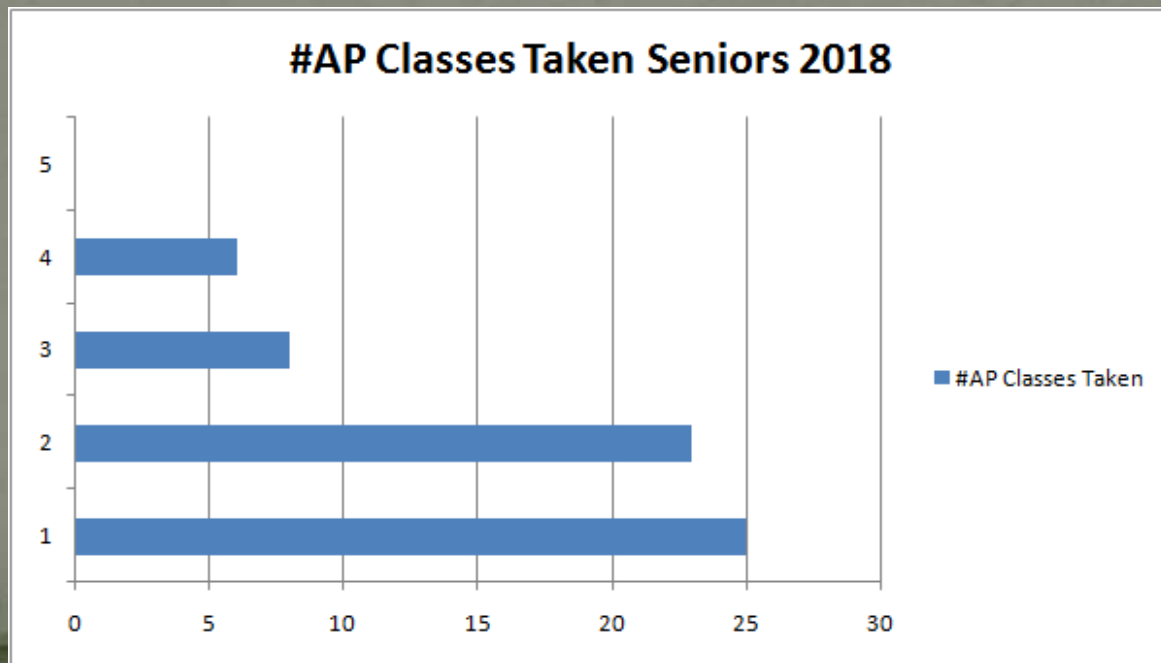
Subject Totals	5	4	3	2	1	Total Exams
Music Theory		2	2	1		5
English Language and Composition	6	11	6	2	1	26
English Literature and Composition	2	8	7	1		18
Comparative Government and Politics	9	4	4	1	1	19
Psychology		1				1
United States Government and Politics		1				1
United States History	5	4	4	3		16
World History		6	12	15	2	35
Calculus AB	5	2	1	1		9
Calculus BC	1					1
Statistics	6	12	8	3		29
Biology	2	6	4			12
Chemistry	5	5	2			12
Environmental Science	2	5	4	14		25
Physics 1	2	3	1	2		8
Spanish Language and Culture	5	5	5			15

## Class of 2018

62 out of 114 (54%) seniors took an AP class their senior year. Of those who took an exam, they took an average of 1.9. The average score on each exam was 3.7

Of the 62 who took an AP as a senior:  
43 (69%) took an average of 1.8 AP courses as a junior scoring on average 4.1

21 out of those 62 took an AP class as a sophomore.



## Class of 2019

45 out of 118 (38%) of the current seniors took an AP class their junior year.

Of those who took an exam, they took an average of 1.7.

That included **23** juniors who took their first AP class junior year on top of the **22** who took one as a sophomore (AP World History).

The average AP score as sophomores was a 3.  
The average AP score as a junior was a 3.7.

Currently **77 of 118** Seniors are taking an AP course (65%)

## AP Scholar Report

**AP Scholar** - students who receive scores of 3 or higher on three or more AP exams.

**AP Scholar with Honor** - students with average of at least 3.25 on all exams taken, and scores of 3 or high on four or more of these exams

**AP Scholar with Distinction** - student 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** - 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 the exams

### Canton High School (070115) Total Scholars: 47; Average Score: 4.20

	AP Scholar	AP Scholar with Honor	AP Scholar with Distinction	National AP Scholar	AP International Diploma
Number of Scholars	21	10	16	5	1
Average Score	3.51	4.24	4.44	4.66	4.56

## Strategic Focus Summary

All Advanced Placement teachers work review of data and reflect on their practice to formulate a strategic focus each year.

- Continue training and professional development
- Build skills of inquiry and synthesis
- Continue integrating testing opportunities (timed, untimed, formative sections) throughout the year.
  - Utilize block time for assessments
- Consider curricular implications of a “redesign”

# Comparative Government

2018 A.P. Score	Total # of Students Achieving Score (19 students)	Percentage of Total
5	9	47%
4	4	22%
3	4	21%
2	1	5%
1	1	5%

2017 A.P. Score	Total # of Students Achieving Score (24 students)	Percentage of Total
5	3	12%
4	9	38%
3	4	18%
2	5	20%
1	3	12%

## Instructional Points

### Highlights

- 89% passage rate is 2nd highest in 7 years of course being taught at CHS. 17 students earned a 3 or better which is the highest total number of passing scores.
- Nearly half (9/19) of the students earned the highest score (5) compared to only 20% globally.

### Strategic Focus for 2018-2019

- While above global mean, performances on public policy questions and political economic change questions were a relative weakness and those topics will receive more attention this year.
- We will continue to expand the use of practicing FRE questions on a weekly basis



# World History

2018 A.P. Score	Total # of Students Achieving Score (35 students)	Percentage of Total
5	-	-
4	6	18%
3	12	35%
2	15	42%
1	2	5%

2017 A.P. Score	Total # of Students Achieving Score (19 students)	Percentage of Total
5	-	-
4	3	17%
3	11	63%
2	3	15%
1	1	5%

# Instructional Points

## Highlights

- The 9th grade students of AP World History, for the most part, followed the global trends.
  - 17% of our students received a 4 (vs. 19% global); 34% received a 3 (vs. 26% global).
- There were more 3s and 4s than last year's results.
- My students continue to take on the challenge of an AP class in 9th grade.

## Strategic Focus for 2018-2019

- Reading! Last year's group (on average) struggled with the reading in the textbook.
  - This year's focus is on utilizing the textbook in different ways, so that all readers can grasp the material.
- Block Schedules (!) and Skill Work
  - With block schedules, I can now focus more on skill work (primary source evaluation, test prep, essay practice) because we simply have more time.
- The modified HW policy for AP will help me to get through more of the material.
- I rushed towards the end and taught students sections of the book; had they read the book instead, they might have absorbed more.

# U.S. History

2018 A.P. Score	Total # of Students Achieving Score (16 students)	Percentage of Total
<b>5</b>	<b>5</b>	<b>32%</b>
<b>4</b>	<b>4</b>	<b>25%</b>
<b>3</b>	<b>4</b>	<b>25%</b>
<b>2</b>	<b>3</b>	<b>18%</b>
<b>1</b>	<b>--</b>	<b>--</b>

2017 A.P. Score	Total # of Students Achieving Score (15 students)	Percentage of Total
<b>5</b>	<b>7</b>	<b>47%</b>
<b>4</b>	<b>4</b>	<b>26.5%</b>
<b>3</b>	<b>4</b>	<b>26.5%</b>
<b>2</b>	<b>-</b>	<b>-</b>
<b>1</b>	<b>-</b>	<b>-</b>

## Instructional Points

### Highlights

- 63% scored in the highest fourth for multiple choice
- Had less time for research paper post-exam.

### Strategic Focus for 2018- 2019

- Increased emphasis in the curriculum on economics, scientific & technological innovation.

# Calculus AB and BC

2018 A.P. Score	Total # of Students Achieving Score (10 students)	Percentage of Total
<b>5</b>	<b>6</b>	<b>60%</b>
<b>4</b>	<b>2</b>	<b>20%</b>
<b>3</b>	<b>1</b>	<b>10%</b>
<b>2</b>	<b>1</b>	<b>10%</b>
<b>1</b>	<b>-</b>	

2017 A.P. Score	Total # of Students Achieving Score (15 students)	Percentage of Total
<b>5</b>	<b>4</b>	<b>27%</b>
<b>4</b>	<b>6</b>	<b>40%</b>
<b>3</b>	<b>1</b>	<b>7%</b>
<b>2</b>	<b>4</b>	<b>26%</b>
<b>1</b>	<b>-</b>	<b>-</b>

## Instructional Points

### Highlights

- Students this year performed exceptionally well, with an overall average of 4.3 out of 5
- Globally 18.8% of students earned a score of 5; in Canton, 60% of students earned a score of 5. Further, 90% of our students earned a score of 3 or higher compared to 57% globally.
- In every category for both multiple choice and free response questions, our students ranked above global scores.
- One student in the AB class took the Calculus BC exam; he taught himself the extra topics with support from me.

### Strategic Focus for 2018-2019

- We will continue to practice both multiple choice and free response questions as part of our classwork and our tests
- I will continue to emphasize differential equations and slope fields; scores were strong this year, but have been an area to work on.
- I will continue to stress interpretation of derivatives and integrals as well as computation of them

# Chemistry

2018 A.P. Score	Total # of Students Achieving Score (12 students)	Percentage of Total
5	5	42%
4	5	42%
3	2	16%
2	--	--
1	--	--

2017 A.P. Score	Total # of Students Achieving Score (16 students)	Percentage of Total
5	9	57%
4	5	31%
3	2	12%
2	-	-
1	-	-

## Instructional Points

### Highlights

84% of Canton students who sat for the AP chemistry exam earned a 4 or a 5 as compared to 29.8% of the students worldwide.

92% of Canton students finished in the highest fourth on the free response compared to 25% of the world.

### Strategic Focus for 2018-2019

Only 50% of Canton students finished in the top fourth on the multiple choice so to hopefully improve this statistic I have re-written all of my MC tests for the year and made additional practice sheets for them to work on prior to their MC tests.



# Biology

2018 A.P. Score	Total # of Students Achieving Score (12 total)	Percentage of Total
<b>5</b>	<b>2</b>	<b>17%</b>
<b>4</b>	<b>6</b>	<b>50%</b>
<b>3</b>	<b>4</b>	<b>33%</b>
<b>2</b>	<b>-</b>	<b>-</b>
<b>1</b>	<b>-</b>	<b>-</b>

2017 A.P. Score	Total # of Students Achieving Score (19 total)	Percentage of Total
<b>5</b>	<b>1</b>	<b>5%</b>
<b>4</b>	<b>6</b>	<b>32%</b>
<b>3</b>	<b>9</b>	<b>48%</b>
<b>2</b>	<b>3</b>	<b>15%</b>
<b>1</b>	<b>-</b>	<b>-</b>

## Instructional Points

### Highlights

- All students scored a 3 or higher
- 75% of students scored in the top quartile for writing
- 75 % of students scored in top quartile for the multiple choice
- 75 % of class scored a 4 or higher

## Strategic Focus for 2018-2019

Strong focus will be placed on scientific explanations by using a CLAIM, EVIDENCE & REASONING format (C.E.R.) . Students will:

- make a CLAIM about the results of an investigation.
- Use scientific (data) EVIDENCE to support the claim
- Tie together the Claim and the Evidence with REASONING by showing how/why data supports the Claim

# Physics

2018 A.P. Score	Total # of Students Achieving Score (8 students)	Percentage of Total
5	2	25%
4	3	37.5%
3	1	12.5%
2	2	25%
1		

2017 A.P. Score	Total # of Students Achieving Score (13 students)	Percentage of Total
5	1	8%
4	8	62%
3	3	23%
2	1	7%
1	-	-

# Instructional Points

## Highlights

- 75% of students scored above average on the multiple choice and free response sections
- Only 40% of students pass globally, 75% of our students passed

## Strategic Focus for 2018-2019

- Continue focus on lab work and experimental projects

# English Language and Composition

2018 A.P. Score	Total # of Students Achieving Score (26 students)	Percentage of Total
5	6	24%
4	11	43%
3	6	23%
2	2	7%
1	1	3%

2017 A.P. Score	Total # of Students Achieving Score (26 students)	Percentage of Total
5	8	31%
4	10	39%
3	7	27%
2	1	3%
1	-	-

## Instructional Points

### Highlights

- 68% of students scored in the highest fourth in their work with 20th century prose
- 52% of students scored in the highest fourth in their work with pre- 20th century prose
- 64% of students scored in the highest fourth with their argument essays
- 52% of students scored in the highest fourth with their synthesis essays

### Strategic Focus for 2018-2019

- More targeted practice for the analysis essay.
- Increased focus on the rhetoric of digital texts and platforms to increase comfort with 21st century prose passages.

## English Literature and Composition

2018 A.P. Score	Total # of Students Achieving Score (18 students)	Percentage of Total
5	2	12%
4	8	44%
3	7	39%
2	1	5%
1	--	--

2017 A.P. Score	Total # of Students Achieving Score (16 students)	Percentage of Total
5	2	12%
4	7	44%
3	7	44%
2	-	-
1	-	-

# Instructional Points

## Highlights

- 95% of the students achieved a score of 3 or above, compared to 47% globally.
- 77% of the students scored in the top half on the multiple choice section, compared to 50% globally.
- 83% of the students scored in the top fourth on the free-response (essay) section, compared to 25% globally.

## Strategic Focus for 2018-2019

- Continue to work with a variety of texts from 17th - 21st century for analysis and vocabulary to increase ability to analyze a variety of passages on the multiple choice sections.
- Include more targeted practice on MC, using recent released exams.
- Continue to work on strong thematic analysis for the free responses essays, including more timed writing opportunities to increase fluency under constraints.



# Music Theory

2018 A.P. Score	Total # of Students Achieving Score (5 students)	Percentage of Total	2017 A.P. Score	Total # of Students Achieving Score (6 students)	Percentage of Total
5	-	-	5	1	17%
4	2	40%	4	1	17%
3	2	40%	3	1	17%
2	1	20%	2	1	17%
1	-	--	1	2	32%

# Spanish

2018 A.P. Score	Total # of Students Achieving Score (15 students)	Percentage of Total	2017 A.P. Score	Total # of Students Achieving Score (8 students)	Percentage of Total
5	5	33%	5	2	25%
4	5	33%	4	3	37.5%
3	5	33%	3	3	37.5%
2	-	-	2		
1	-	-	1	-	-

# Instructional Points

## Highlights

- 100% of students scored 3 or better
- 66% of students scored 4 or better
- 87% scored in the top 4th of the Multiple Choice Section compared to 50% globally
- 47% scored in the top half of the Free Response Section (speaking and writing) - there is no distinction in grading between native Spanish Speakers and L2 Learners.

## Strategic Focus for 2018-2019

- Continue to work with a variety of texts to increase vocabulary
- Include more targeted practice for MC Section including timed reading
- Continue to work on persuasive writing
- Continue to work on speaking through cultural comparisons

# Statistics

2018 A.P. Score	Total # of Students Achieving Score (29 students)	Percentage of Total	2017 A.P. Score	Total # of Students Achieving Score (36 students)	Percentage of Total
5	6	21%	5	8	23%
4	12	41%	4	10	29%
3	8	28%	3	12	33%
2	3	10%	2	1	4%
1	-	-	1	4	11%

## Instructional Points

### Highlights

- This course is offered to students after Algebra 2 opening up an AP math option to a wider range of students
- Students scored well above national averages in every subsection of the test

### Strategic Focus for 2018-2019

- Continue to do timed open ended questions and have students score themselves using the released rubrics
- Encourage more students to take the offered practice test

# Environmental Science

2018 A.P. Score	Total # of Students Achieving Score (25 student)	Percentage of Total
<b>5</b>	<b>2</b>	<b>8%</b>
<b>4</b>	<b>5</b>	<b>20%</b>
<b>3</b>	<b>4</b>	<b>16%</b>
<b>2</b>	<b>14</b>	<b>56%</b>
<b>1</b>	<b>-</b>	<b>-</b>

2017 A.P. Score	Total # of Students Achieving Score (20 student)	Percentage of Total
<b>5</b>	<b>3</b>	<b>15%</b>
<b>4</b>	<b>3</b>	<b>15%</b>
<b>3</b>	<b>4</b>	<b>20%</b>
<b>2</b>	<b>4</b>	<b>20%</b>
<b>1</b>	<b>6</b>	<b>30%</b>

## Instructional Points

### Highlights

# of 1st time AP Students.

This represents an increase in the number of students willing to take an academic challenge.

### Strategic Focus for 2017-2018

Given the growing number of students enrolled in APES who are first time AP students, more direct instruction in study skills/practices.

# Psychology

2018 A.P. Score	Total # of Students Achieving Score (1 student)	Percentage of Total
5		
4	1	100%
3		
2		
1		

2017 A.P. Score	Total # of Students Achieving Score (4 student)	Percenta ge of Total
5	4	100%
4		100%
3		
2		
1		