

Canton Public Schools
Advanced Placement
Testing

May 2019

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 2018/19?

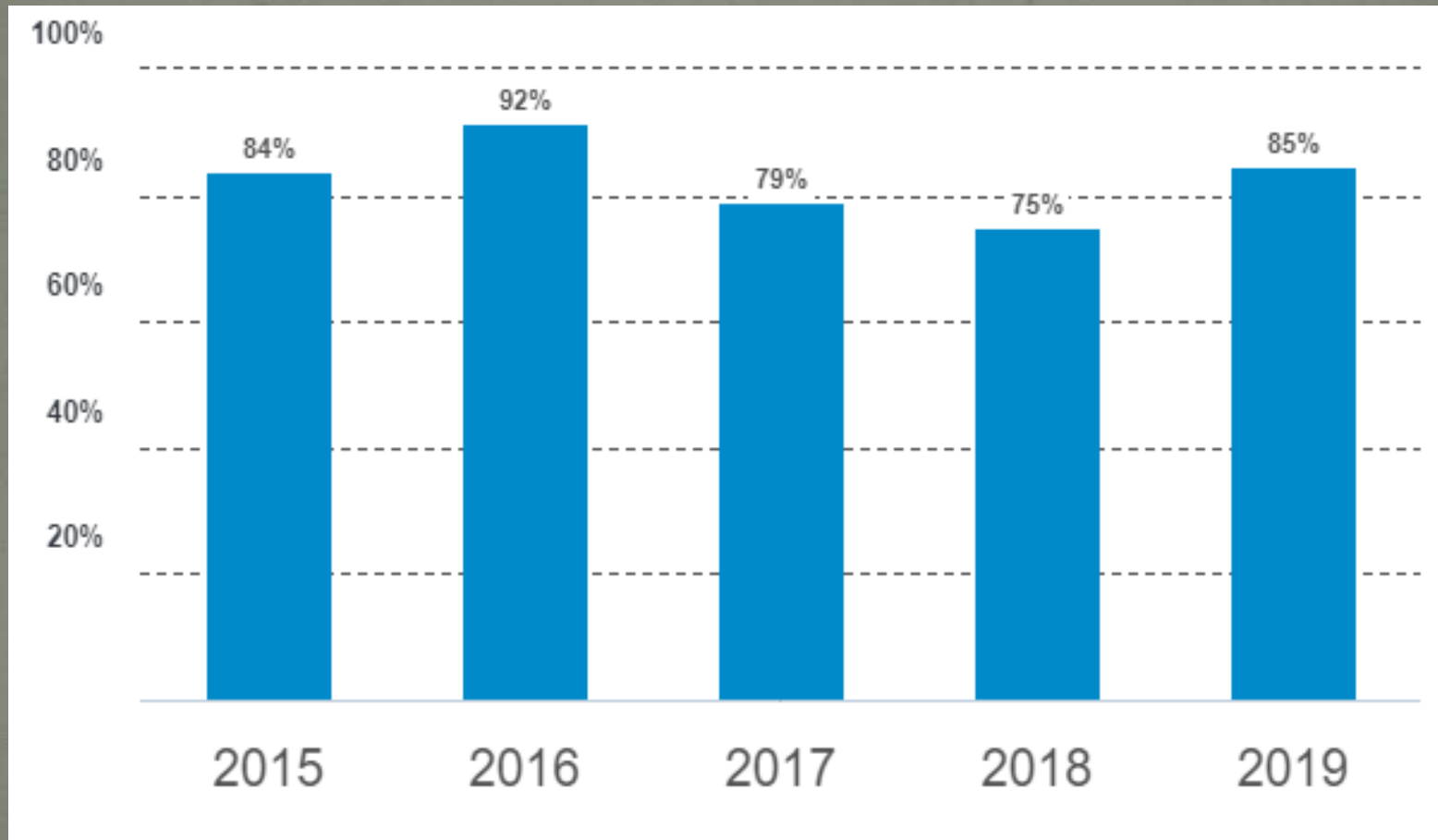
- Biology
- Calculus AB
- Chemistry
- English Language & Composition
- English Literature & Composition
- Environmental Science
- Music Theory
- Spanish
- U.S. History
- Statistics
- Comparative Government
- Physics
- World History

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

% of Total AP Students with Scores 3 or above



5 Year Summary

	2015	2016	2017	2018	2019
Total AP Students	123	108 22%	172	143	151 31%
Number of Exams	212	220	269	232	*266
AP Students with Scores 3+	103	99	136	107	128
% of Canton AP Students with Scores 3 or above	83.7	91.7	79.1	74.8	84.8
% of State/CT with scores 3 or above		73/60	72/60	71/60	71/60

*20 Students “opted out” of AP test(s). (171 total AP students)

*29 Tests were not taken (295 tests)

For 2019-20, we have 264 “exams” to be taken based on current enrollment

AP Results

Subject	# Taking AP Test	Canton average	State/ Global Average
Biology	16	3.69	3.29 / 2.92
Calculus (AB)	13	3.85	2.97 / 3.11
Chemistry	17	4.00	3.07 / 2.74
Physics	4	3.75	2.78 / 2.51
Music Theory	6	4/3.83	3.33 / 3.10
Spanish	9	4.33	3.68 / 3.70
Statistics	27	3.67	2.99 / 2.86

AP Results

Subject	# Taking AP Test	Canton average	State/ Global Average
World History	38	3.16	3.03 / 2.76
U.S. History	23	3.87	3.17 / 2.71
Comparative Government	24	3.63	3.33 / 3.20
English Lit. & Comp. (12 th)	25	3.16	2.92 / 2.62
English Lang. & Comp. (11 th)	34	3.50	3.17 / 2.78
Environmental Science	25	2.64	2.98 / 2.68

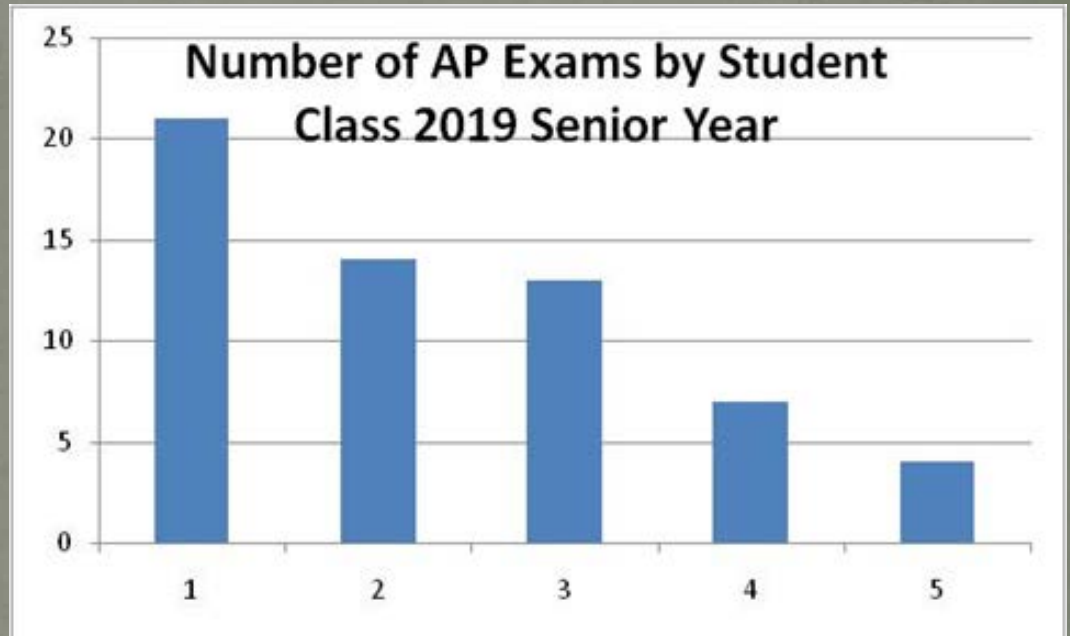
Canton High School Totals

The seniors (class of 2019) who graduated past spring:

- Took a combined 252 exams over 3 years
- Had a combined 80.2% pass rate
- 74 of the 119 (62.1%) members of the class took an exam
- 38 students took more than one exam senior year
- 16 different exams

Class of 2019

12 Grade	
Students	59
Exams	136
Passed Exams	109
Pass Rate	80.1%
Diff Classes	16



Class of 2020

The current senior class (class of 2020) at CHS

- Taken a combined 121 exams so far
- 86.0% combined pass rate
- 53 (49.1%) unique exam takers (out of 112 students)
- 13 different classes

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 - 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 - 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.

	AP Scholar	AP Scholar with Honor	AP Scholar with Distinction	National AP Scholar	AP International Diploma
Number of Scholars	21	9	14	4	1
Average Score	3.34	4.03	4.34	4.53	400

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
- To utilize the new CollegeBoard Classroom resources to:
 - Share with students
 - assign practice problems based on specific learning objectives.
 - Pre and post unit test opportunities

Comparative Government

2018 AP 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%

2019 AP Score	Total # of Students Achieving Score (23 students)	Percentage of Total
5	5	22%
4	8	35%
3	8	35%
2	2	9%
1	-	-

Instructional Points

Highlights

- Largest number of test takers in the eight year history of offering this course. The total number of students taking course was even higher with number opting out of exam.
- Highest pass rate (91.7%) since 2011- 12 school year. Passage rate for all CT test takers was only 48.6% .
- CHS mean score of 3.75 is 12% higher than statewide mean and 18% higher than global mean.

Strategic Focus for 2019 - 2020

- Primary focus for 2019- 20 will be to make adjustments to respond to the the changes in the curriculum made by the College Board.
- Specifically, greater emphasis will be placed on using quantitative analysis to explain relationships between political systems.
- In addition, there will be more writing assignments in the form of persuasive essay.

World History

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

2019 AP Score	Total # of Students Achieving Score (38 students)	Percentage of Total
5	6	16%
4	6	16%
3	16	42%
2	8	21%
1	2	5%

Instructional Points

Highlights

- Notable shift upwards in score (more 3s and 5s this year), as well as shift away from 2s (8 this year, instead of 15 from previous year).
- Notable increase in percentage passing (from 51% in 2018, to 74% in 2019).

Strategic Focus for 2019-2020

- Focus on reading comprehension: stronger readers = more success in AP courses.
 - Document analysis
 - Practice MC questions
 - Textbook notes
 - Summarizing sections/notes instead of writing more.
- Focus on essay writing and more essay practice.
- Utilizing the tools from “My AP” website.
 - Test practice and review of skills

U.S. History

2018 AP Score	Total # of Students Achieving Score (16 students)	Percentage of Total
5	5	32%
4	4	25%
3	4	25%
2	3	18%
1	--	--

2019 AP Score	Total # of Students Achieving Score (23 students)	Percentage of Total
5	8	35%
4	6	26%
3	7	30%
2	2	9%
1	-	-

Instructional Points

Highlights

- 91% scores 3 or better
- 61% scored 4 or better
- Multiple Choice
performance: 14 of 15
content areas scored above
both state and global
averages
- Free Response
performance: 15 of 19 skill
areas scored above both
state and global averages

Strategic Focus for 2019- 2020

- “Evidence & Reasoning”
(portion of Free Response
rubric) per Instructional
Report”
- Non-texted based stimulus:
art work, charts, etc, per
Instructional Report

Calculus AB

2018 AP Score	Total # of Students Achieving Score (10 students)	Percentage of Total
5	6	60%
4	2	20%
3	1	10%
2	1	10%
1	-	

2019 AP Score	Total # of Students Achieving Score (13 students)	Percentage of Total
5	5	38%
4	3	23%
3	3	23%
2	2	15%
1	-	-

Instructional Points

Highlights

- 84.6% of the students taking the exam earned a passing score of 3 or higher.
- 61% of the students earned a score of 4 or 5.
- On every free response question, Canton students scored well above state and global scores.
- On multiple choice questions, Canton students scored above state and global scores in 18 of 20 categories.

Strategic Focus for 2019-2020

- Interpreting and applying integrals.
- Emphasizing conditions for definitions and theorems to apply Approximating functions.
- More practice with calculator active questions.

Chemistry

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

2019 AP Score	Total # of Students Achieving Score (17 students)	Percentage of Total
5	6	35%
4	6	35%
3	4	24%
2	1	6%
1	-	-

Instructional Points

Highlights

71% of Canton students earned a 4 or 5 as compared to 26.8% globally who took this exam earned a 4 or 5.

Strategic Focus for 2019 - 2020

To use the new CollegeBoard Classroom resources to assign practice problems based on specific learning objectives.

Biology

2018 AP Score	Total # of Students Achieving Score (12 total)	Percentage of Total
5	2	17%
4	6	50%
3	4	33%
2	-	-
1	-	-

2019 AP Score	Total # of Students Achieving Score (16 total)	Percentage of Total
5	2	13%
4	7	44%
3	7	44%
2	-	-
1	-	-

Instructional Points

Highlights

- All students took test.
- All students passed with 3 or better.

Strategic Focus for 2019 - 2020

- New focus involves shifting planning to align to the updated AP Biology curriculum.
- This includes using the new resources for AP Teachers and students such as personal progress checks provided with feedback for students through AP Central website.

Physics

2018 AP 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		

2019 AP Score	Total # of Students Achieving Score (4 students)	Percentage of Total
5	1*	20%
4	3	60%
3	1	20%
2	-	-
1	-	-

*AP Physics C: Mechanics

Instructional Points

Highlights

- 100% pass rate (45% globally).
- Learning Science as a process prepares students for anything.

Strategic Focus for 2019 - 2020

- Cross-train for Phys C exam.
- Get more out of our shortened schedule through flipped initiatives.

English Language and Composition

2018 AP 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%

2019 AP Score	Total # of Students Achieving Score (34 students)	Percentage of Total
5	8	24%
4	6	18%
3	15	44%
2	5	15%
1	-	-

Instructional Points

Highlights

- 31% increase in number of test takers compared to 2018
- 86% of students scored a 3 or higher

Strategic Focus for 2019 - 2020

- Aligning curriculum with new AP Guidelines
- Use new, extensive AP Classroom online resources to provide students more personalized practice and feedback

English Literature and Composition

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

2019 AP Score	Total # of Students Achieving Score (24 students)	Percentage of Total
5	2	8%
4	5	21%
3	10	42%
2	7	29%
1	-	-

Instructional Points

Highlights

- This AP Literature class included a broader range of students who wanted to challenge themselves by taking the course; thus there was a broader range of scores compared to past years.
- 70.8% achieved a score of 3 or higher, compared to CT (61.6%) and Global (49.6%).
- The CHS mean score (3.16) exceeded the CT mean score (2.92) and the global mean score (2.62)
- CHS students exceeded CT and Global students in every area of the multiple choice and free response essay sections of the exam.

Strategic Focus for 2019-2020

- Closely align instruction in the existing thematic units to the revised standards and skills for AP Literature.
- Use the resources in the AP Classroom strategically throughout the year for practice, self-evaluation, and instructional guidance.
- Use the revised AP Literature rubrics for teacher evaluation and student self-evaluation, reflection, and goal setting.

Music Theory

2018 AP Score	Total # of Students Achieving Score (5 students)	Percentage of Total
5	-	-
4	2	40%
3	2	40%
2	1	20%
1	-	--

2019 AP Score	Total # of Students Achieving Score (6 students)	Percentage of Total
5	3	50%
4	1	17%
3	1	17%
2	-	-
1	1	17%

Instructional Points

Highlights

- The CHS mean score was higher than state and global scores for both multiple choice and free response.
- Sight singing continues to be a strength in comparison to state and global peers.

Strategic Focus for 2019 - 2020

- Continued focus on free response style questions with special consideration given to “Part writing from figured bass.”
- This year’s cohort is comprised of students with a choral emphasis. Often the class is comprised of accomplished instrumentalists. Special focus on this group’s valid, yet different, background knowledge.

Spanish Language and Culture

2018 AP Score	Total # of Students Achieving Score (15 students)	Percentage of Total
5	5	33%
4	5	33%
3	5	33%
2	-	-
1	-	-

2019 AP Score	Total # of Students Achieving Score (9 students)	Percentage of Total
5	4	44%
4	4	44%
3	1	11%
2	-	-
1	-	-

Instructional Points

Highlights

- 100% of students scored 3 or higher compared to CT (86.9%) and globally (88.2%)
- The CHS mean score (4.33) exceeded the CT mean score (3.68) and the global mean score (3.70)
- There is no distinction in scoring between L2 learners and L1 (native and or heritage speakers of spanish).

Strategic Focus for 2019 - 2020

- Use the resources in the AP Classroom strategically throughout the year for practice, self-evaluation, and instructional guidance.
- This includes using the new resources for AP Teachers and students such as personal progress checks provided with feedback for students through AP Central website.

Statistics

2018 AP Score	Total # of Students Achieving Score (29 students)	Percentage of Total
5	6	21%
4	12	41%
3	8	28%
2	3	10%
1	-	-

2019 AP Score	Total # of Students Achieving Score (27 students)	Percentage of Total
5	7	26%
4	7	26%
3	10	37%
2	3	11%
1	-	-

Instructional Points

Highlights

- 89% of students earned scores of 3 or higher compared to 65% in CT and 60% globally
- Students scored above state and global averages on every subset of the test

Strategic Focus for 2019 - 2020

- Continue using released scored problems under timed conditions to get students ready for the exam
- Use the new online problems for further test preparation

Environmental Science

2018 AP Score	Total # of Students Achieving Score (25 student)	Percentage of Total
5	2	8%
4	5	20%
3	4	16%
2	14	56%
1	-	-

2019 AP Score	Total # of Students Achieving Score (25 student)	Percentage of Total
5	3	12%
4	4	16%
3	4	16%
2	9	36%
1	5	20%

Instructional Points

Highlights

- Total number of students taking the exam.
- Continued high enrollment/students willing to take an academic challenge.

Strategic Focus for 2019- 2020

- Learn and implement the curriculum as well as the online tools available for exam preparation.