

Advanced Placement Exams

2022-23 School Year

Final Results

Assessment & Research Department

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Advanced Placement Courses and Exams

The College Board offers Advanced Placement (AP) Exams in 38 courses, across seven subjects: Math and Computer Science; Arts; Sciences; English; History and Social Sciences; World Languages and Cultures; and AP Capstone. Students who earn a qualifying score (a score of 3 or higher) on an AP exam can receive college course credit. Everett Public Schools (EPS) administers AP exams to students in each high school.

About the Data

Data provided in this document is from the 2023 AP Score File and district course files. Data for student subgroups with small populations have been suppressed.

AP Honor Roll Class of 2023

The AP School Honor Roll recognizes schools across four levels of distinction: Bronze, Silver, Gold, and Platinum. For a school to be recognized on the AP School Honor Roll, it must meet each of the following criteria anchored in research-based relationships between AP and college outcomes:

- College Culture: 40% or more of graduating cohort took at least one AP Exam during high school.
- College Credit: 25% or more of the graduating cohort scored a 3 or higher on at least one AP Exam during high school.
- College Optimization: 2% or more of the graduating cohort took five or more AP Exams during high school. At least one of those exams was taken in ninth or tenth grade, so that students are spreading their AP experience across grades rather than feeling disproportionate pressure in any single year.

For the graduating class of 2023, Henry M. Jackson High School was honored as a Silver AP Honor Roll honoree with 63% of graduating seniors taking at least one AP course, 52% of graduates earning a college-credit qualifying score on an AP exam, and 23% of students taking at least five AP exams across their high school years with at least one taken in the ninth or tenth grade.

For the graduating class of 2023, Everett High School was honored as a Bronze AP Honor Roll honoree with 45% of graduating seniors taking at least one AP course, 30% of graduates earning a college-credit qualifying score on an AP exam, and 10% of students taking at least five AP exams across their high school years with at least one taken in the ninth or tenth grade.

For the graduating class of 2023, Cascade High School was honored as a Bronze AP Honor Roll honoree with 42% of graduating seniors taking at least one AP course, 26% of graduates earning a college-credit qualifying score on an AP exam, and 8% of students taking at least five AP exams across their high school years with at least one taken in the ninth or tenth grade.

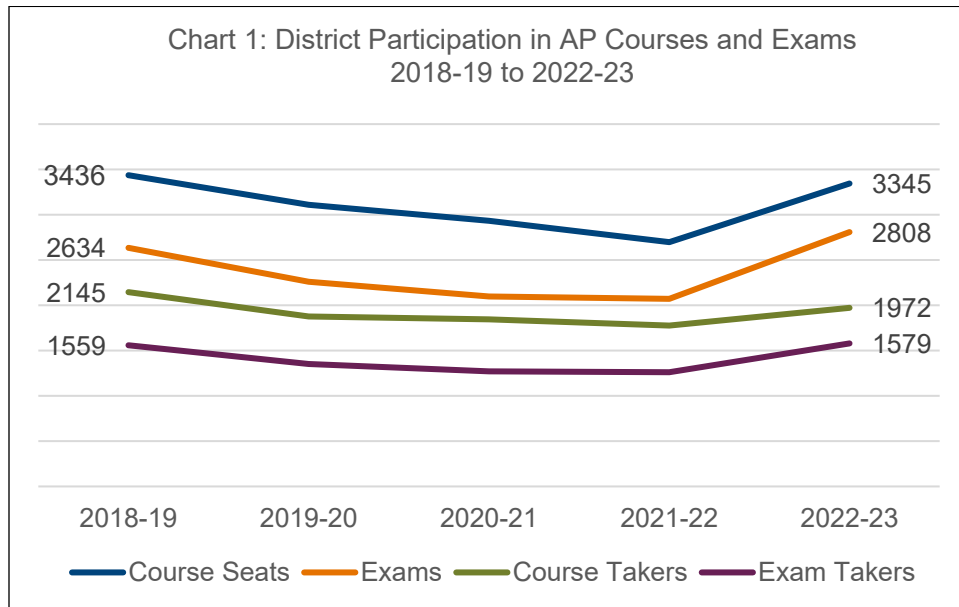
AP Participation School Year 2022-23

Courses and Exams

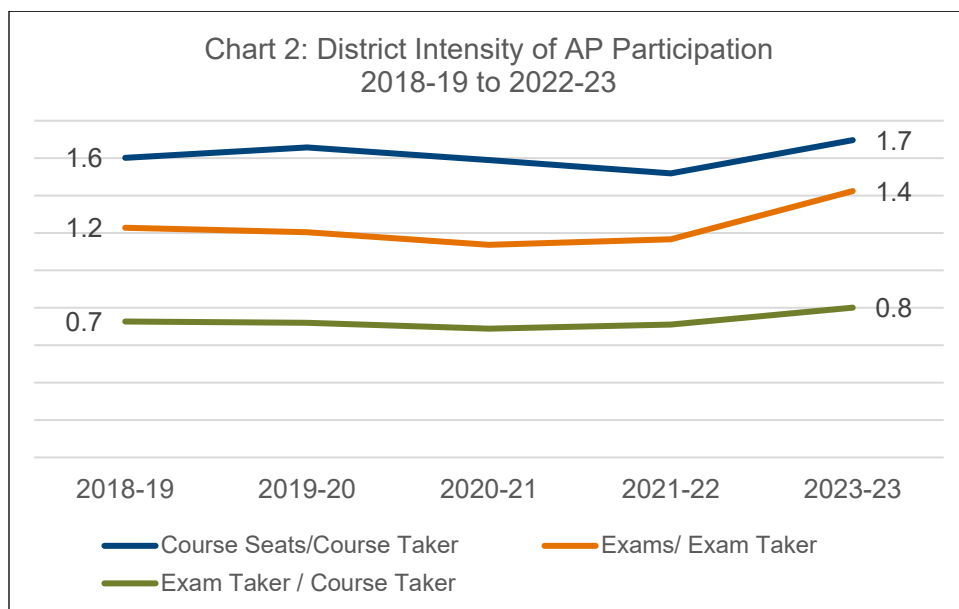
In the 2022-23 school year, 1997 students participated in AP courses and/or exams at Everett Public Schools across 28 courses and 27 exams. Students took courses and exams in all seven course areas with History and Social Sciences being the most commonly taken course and exam area. The most commonly taken individual course was Environmental Science (442) followed by World History (291), and Human Geography (243). The most commonly taken exams were Environmental Science (327), AP Seminar (240), and World History (239).

District Level Trends

In 2022-23, 1972 students took 3345 AP courses, and 1579 students took 2808 AP exams, exceeding the pre-pandemic highs of 2018-19 in AP exams taken and exam takers (Chart 1). When compared to 2021-22 levels, Everett saw a 24% increase in course seats, a 36% increase in exams, an 11% increase in course takers, and a 25% increase in exam takers.



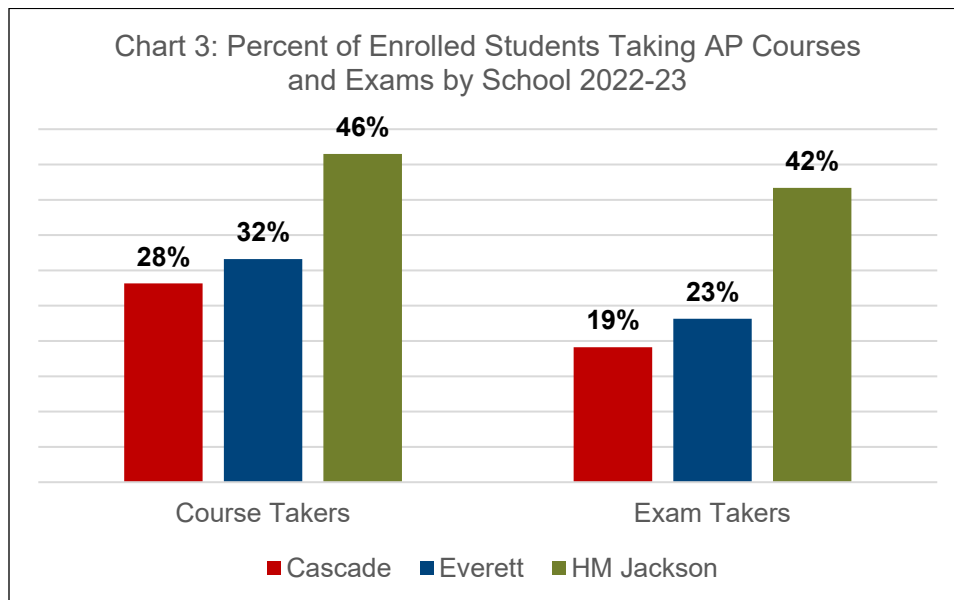
In addition, the intensity of individual participation increased in 2022-23, exceeding pre-pandemic highs in 2018-19. Participation intensity measures the ratio of course seats to course takers, exams to exam takers, and exam takers to course takers. In 2022-23, the ratio of course seats to course takers were 1.7, which indicates on average that each AP student took 1.7 AP courses. The ratio of exams to exam takers was 1.4. The ratio of exam takers to course takers was .8, which indicates that 80% of students who took an AP course also took an exam (Chart 2).



AP Participation by High School

In terms of participation, Henry M. Jackson had the largest number of AP course takers, exam takers, course seats, and exams taken. Though they are the largest high school as of May 1, 2023, with a headcount of 2140 students, this does not account alone for the greater participation (Chart 3). They also had the highest proportion of unduplicated students taking courses and assessments. In 2023, 46% of students at Henry M. Jackson High School took at least one course and 42% of students took at least one exam. About one-third of students took AP courses and one-fifth took at least one AP exam at the other two traditional high schools (Chart 4). On average, students at Henry M. Jackson High School took 1.9 courses per AP course taker and 1.9 AP exams per exam taker (Chart 5). This is approaching two courses and two exams per student which is a significant milestone. In addition, 90% of course takers took at least one exam. At Cascade and Everett high schools, 70% of course takers took at least one exam and exam takers took about 1.5 exams each. In terms of course seats per course taker, Cascade had 1.3 and Everett had 1.6.

Each school showed significant increases in AP participation metrics. From the 2021-22 school year to the 2022-23 school year, AP Exams administered increased by 27% at Cascade High School, 47% at Everett High School, and 35% at Henry M. Jackson High School (Table 1). This exceeded the increase in AP exam takers at each school. Cascade increased the number of unduplicated exam takers by 21%, Everett by 39%, and Henry M. Jackson by 22%.



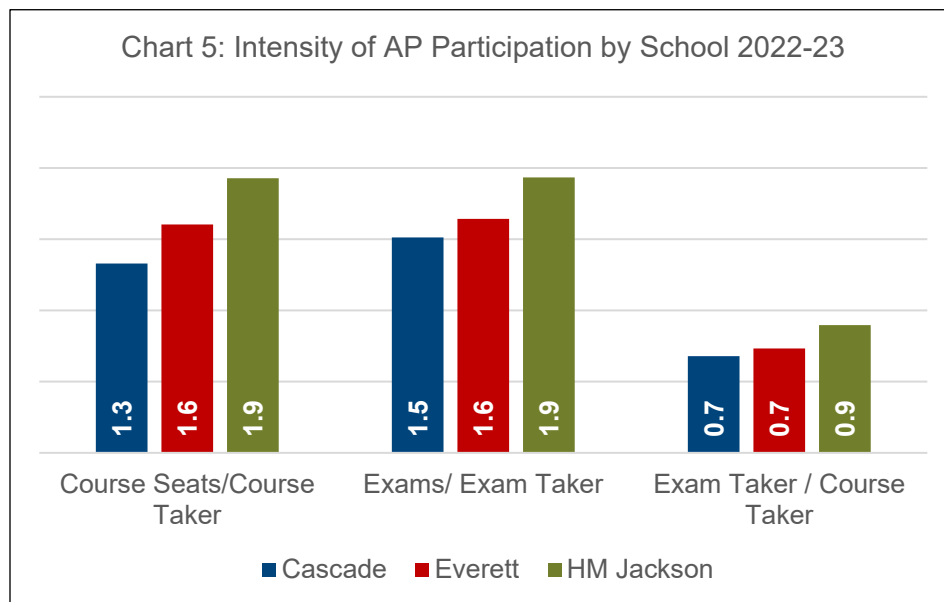
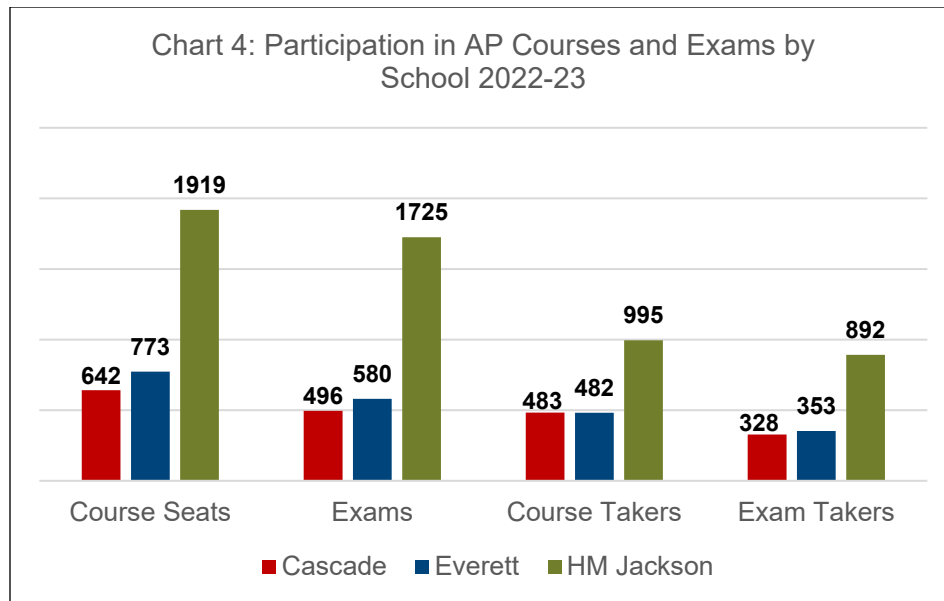


Table 1: Advanced Placement Participation Rate Changes 2021-22 to 2022-23			
	Cascade	Everett	Jackson
AP Course Seats	6%	25%	31%
AP Exams	27%	47%	35%
Course Takers	5%	13%	13%
Exam Takers	21%	39%	22%

AP Participation by Grade Level

In the 2022-23 school year, grade ten students had the highest number of AP course takers (611), courses taken (1031), AP exam takers (548), and exams taken (954). Proportionally, they were the largest as well with 44% of sophomores taking at least one course and 39% taking at least one exam (Chart 6). On average, sophomores who engaged in AP courses and exams took 1.7 per student of each. While a smaller proportion of enrolled juniors took AP courses (36%) and exams (28%), they engaged in a greater number of courses and exams at 2.0 course per course taker and 2.1 exams per exam taker (Chart 8).

Students in grade nine had the lowest participation, which was not unexpected given the number of exams appropriate to their coursework. Still, 452 or 30% of ninth graders took AP courses and 337 or 22% took exams (Chart 7). Of the freshmen who took an AP course, 70% also took an AP exam.

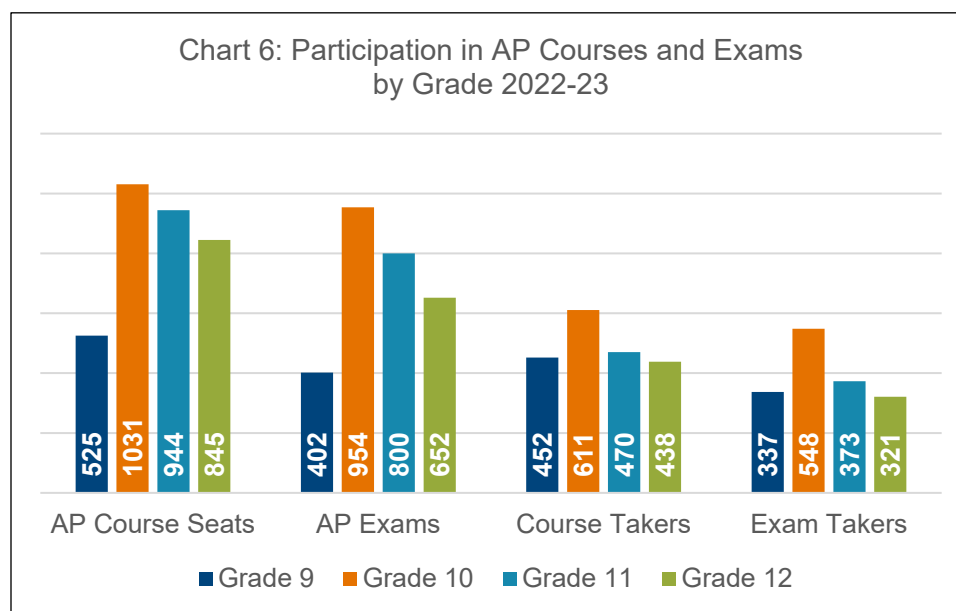


Chart 7: Percent of Enrolled Students Taking AP Courses and Exams by Grade 2022-23

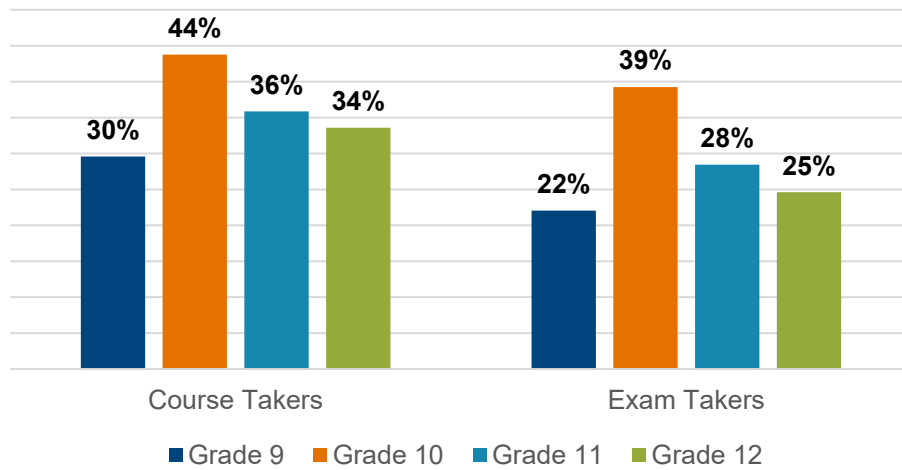
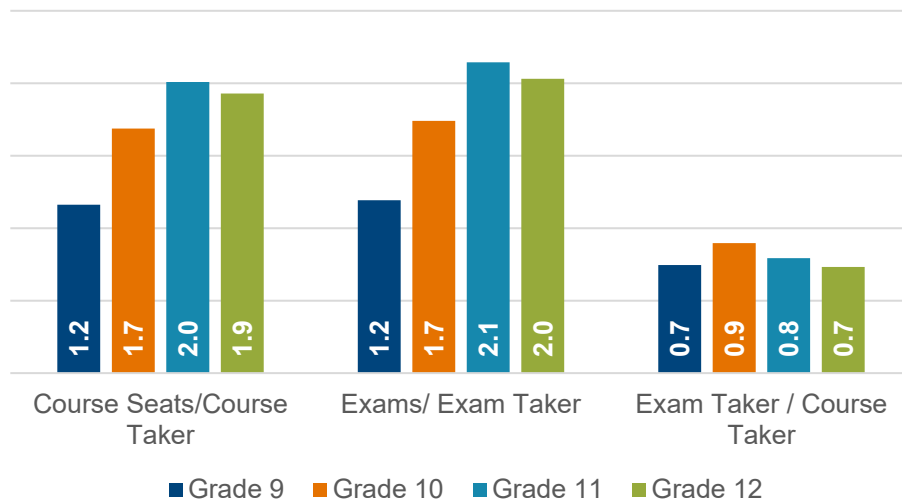
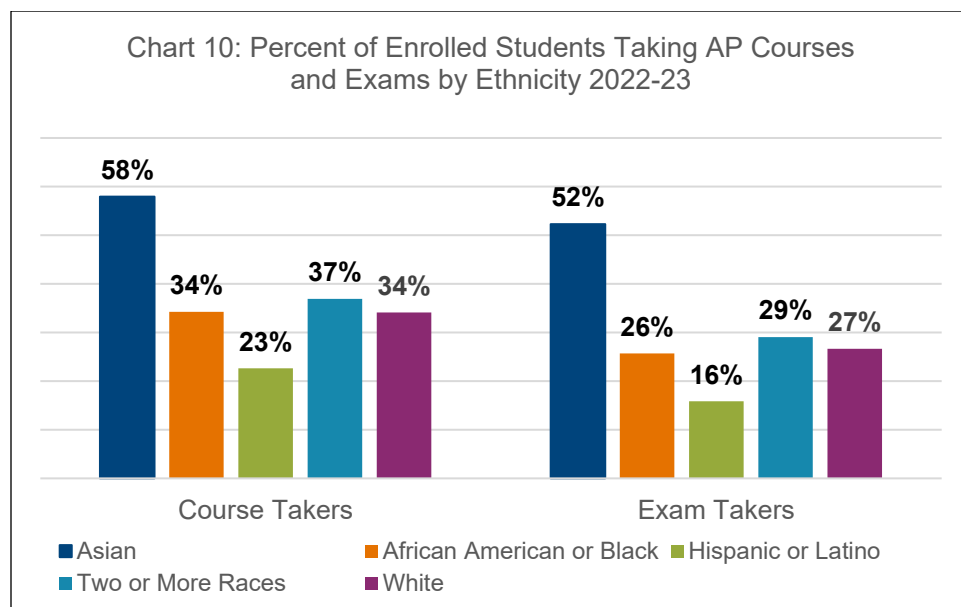
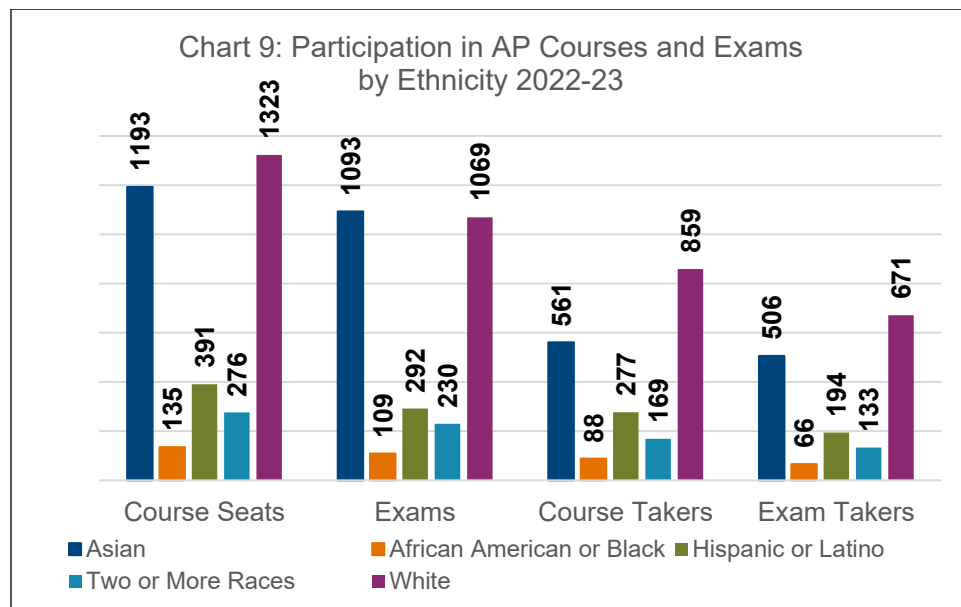


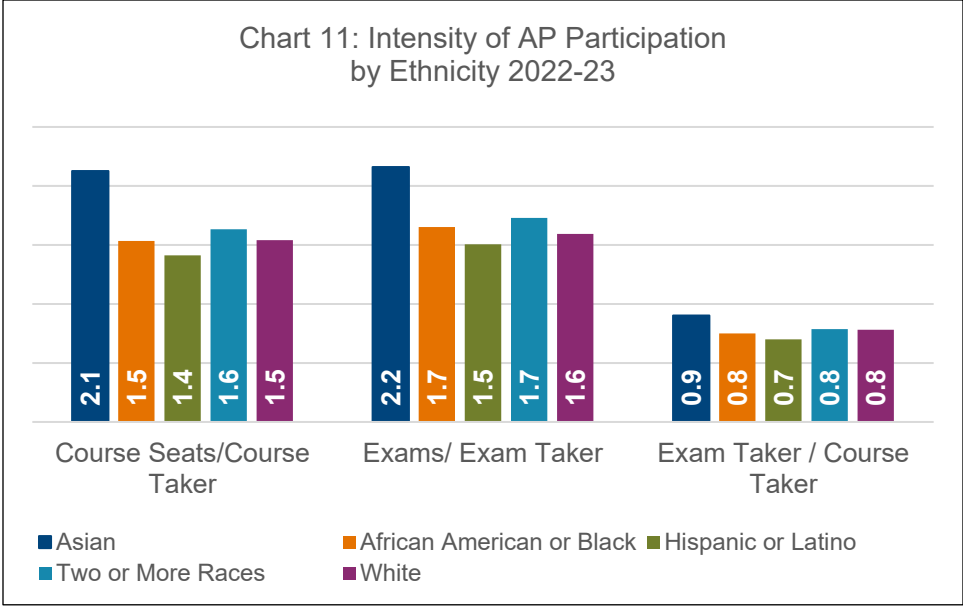
Chart 8: Intensity of AP Participation by Grade 2022-23



AP Participation by Ethnicity

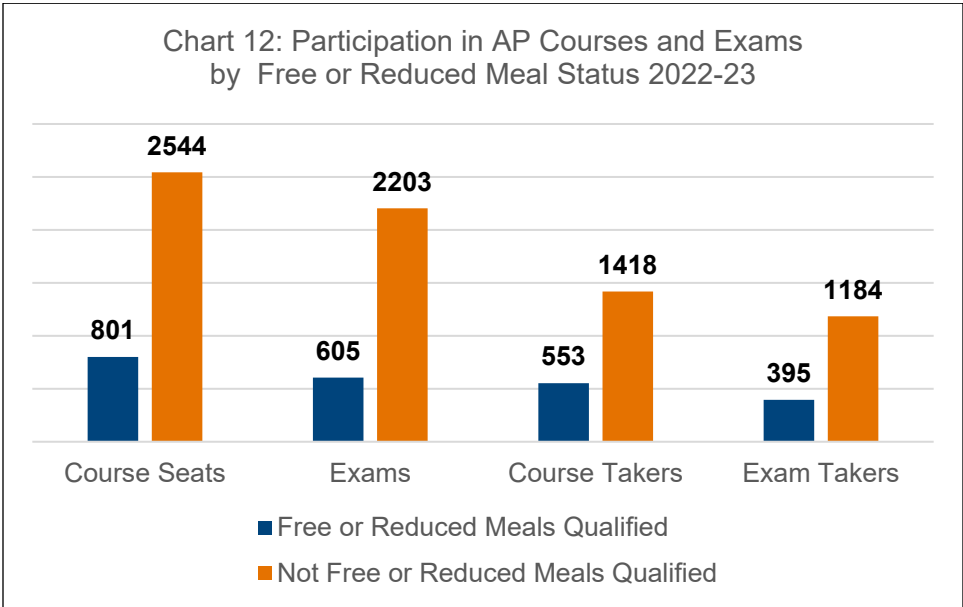
In terms of raw numbers, students who identified as Asian and White had the largest number of students participating in AP courses and exams (Chart 9). However, students who identified as White make up the greatest proportion of students by ethnicity, yet they have nearly the same proportion of course and exam takers as do students who identified as Two or More Races or African American or Black (Chart 10). A larger proportion of students who identified as Asian were AP test takers and course takers at 52% and 56% respectively. In addition, students who identified as Asian took just over two test per test taker and courses per course taker. Students who identified as Hispanic or Latino had the lowest engagement though their engagement is commensurate with the remaining groups (Chart 11). Only 23% of students who identified as Hispanic or Latino students were course takers and only 16% were exam takers.

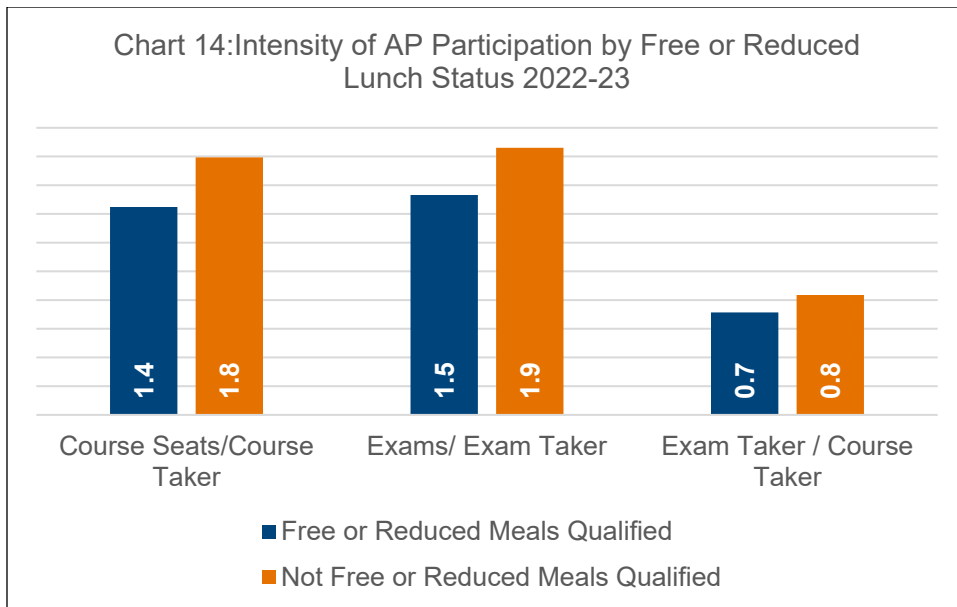
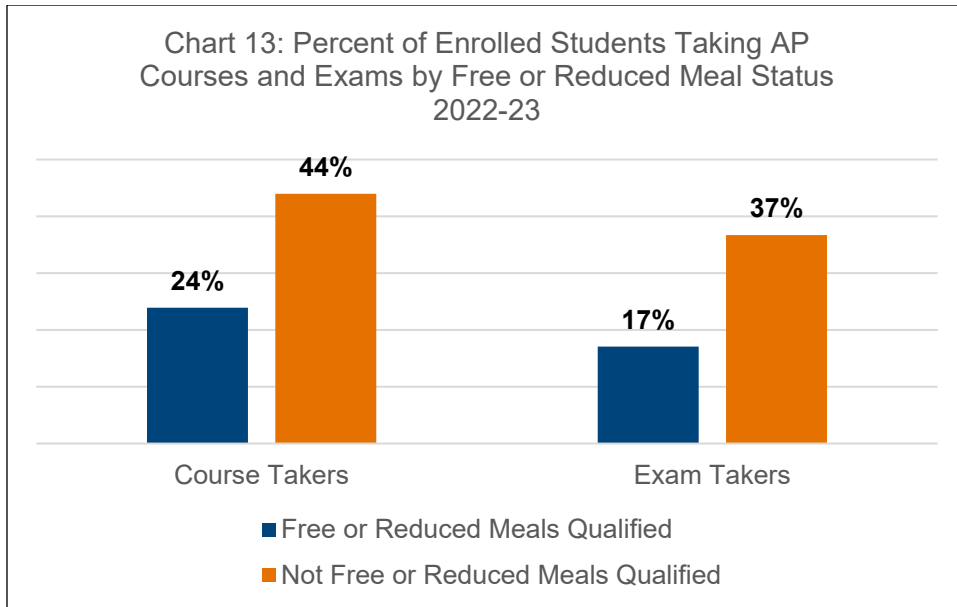




AP Participation by Free and Reduced Meal Status

Though they make up 41% of the high school population, only 24% of students who qualified for Free or Reduced Meals took AP courses and 17% took AP exams (Chart 13). They also had a lower number of exam takers, course takers, exams, and course seats than their peers (Chart 12). Students who qualified for Free or Reduced Meals took fewer courses per student (1.4) and exams per exam taker (1.5) than their peers (Chart 14).





AP Qualifying Scores

Qualifying Scores by High School

In order to qualify for college credit, students must earn a qualifying score of 3 or higher on an AP exam. The number of exams varies by subject from one exam to 327. As such, the impact of a single score influences the mean score and the percentage of qualifying exams significantly. Of the 18 AP exams which had more than 50 test takers, more than 70% of students passed with a qualifying score on the following exams: Research, English Literature and Comprehension, Chemistry, Seminar, Calculus BC, Microeconomics, Biology, Computer Science Principles, Psychology and Human Geography. In addition, the following subject areas with more than 50 tests had mean scores higher than the qualifying benchmark of 3.0: Chemistry, English Literature Comprehension, Research, Calculus AB, Microeconomics, Computer Science Principles, Psychology, Human Geography, Biology, Seminar, World History, English Language Comprehension, and Environmental Science.

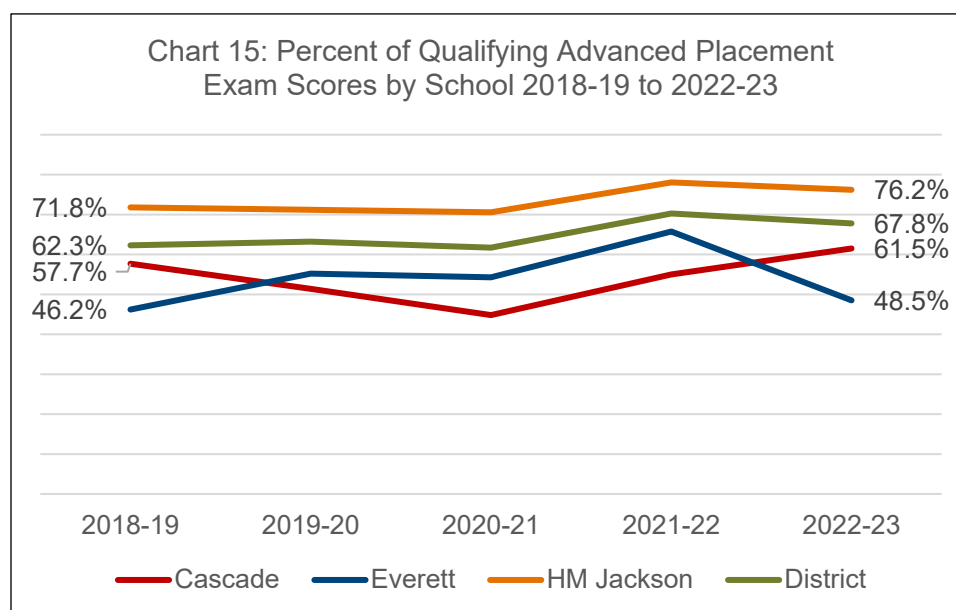
Table 2: AP Exam Mean Scores	Cascade	Everett	HM Jackson	District
Art History		*		*
Biology	2.69	2.38	3.44	3.12
Calculus AB	2.82	1.65	3.80	3.34
Calculus BC	*	*	3.93	3.84
Chemistry		2.71	4.00	3.74
Chinese Language			*	4.25
Computer Science A	*	1.75	3.02	2.71
Computer Science Principles	2.00		3.58	3.27
English Language Comprehension	3.33	2.47	3.16	3.04
English Literature Comprehension	*	3.41	3.67	3.59
Environmental Science	2.43	2.23	3.42	3.02
German Language			*	*
Human Geography	2.81	2.93	3.35	3.18
Italian Language		*		*
Macroeconomics			3.38	3.38
Microeconomics	3.19		3.41	3.33
Music Theory	*			*
Physics 1	2.20	2.06	3.03	2.71
Physics 2			3.40	3.40
Physics C: Mechanics			*	*
Psychology	2.70	2.56	3.42	3.20
Research	3.73	3.35	3.51	3.49
Seminar	3.13	2.78	3.15	3.08
Spanish Language		2.79	3.36	3.00
Statistics	*	1.76	3.37	2.71
Studio Art 2D	3.55	*	*	3.85
Studio Art 3D	*	3.64	*	3.43
Studio Art Drawing	*	*	*	4.00
US Govt. & Politics	*	1.87	2.91	2.68
US History	2.83	1.91	3.12	2.69
World History	2.89	2.57	3.58	3.07
Organization Total Average	2.84	2.49	3.38	3.10

* Suppressed due to small population size

Table 3: Percent Qualifying AP Exams	Cascade	Everett	HM Jackson	District
Art History		*		*
Biology	63%	38%	87%	74%
Calculus AB	53%	12%	77%	64%
Calculus BC	*	*	83%	81%
Chemistry		57%	96%	88%
Chinese Language			*	100%
Computer Science A	*	17%	59%	49%
Computer Science Principles	26%		84%	73%
English Language Comprehension	86%	47%	67%	65%
English Literature Comprehension	*	85%	92%	90%
Environmental Science	43%	35%	72%	60%
German Language			*	*
Human Geography	57%	73%	76%	71%
Italian Language		*		*
Macroeconomics			72%	72%
Microeconomics	76%		78%	78%
Music Theory	*			*
Physics 1	33%	24%	59%	48%
Physics 2			79%	79%
Physics C: Mechanics			*	*
Psychology	61%	61%	76%	72%
Research	91%	96%	93%	94%
Seminar	84%	70%	85%	83%
Spanish Language		71%	79%	74%
Statistics	*	22%	77%	54%
Studio Art 2D	100%	*	*	100%
Studio Art 3D	*	100%	*	86%
Studio Art Drawing	*	*	*	93%
US Govt. & Politics	*	22%	66%	57%
US History	56%	22%	66%	50%
World History	56%	48%	82%	64%
Organization Total	61%	49%	76%	68%

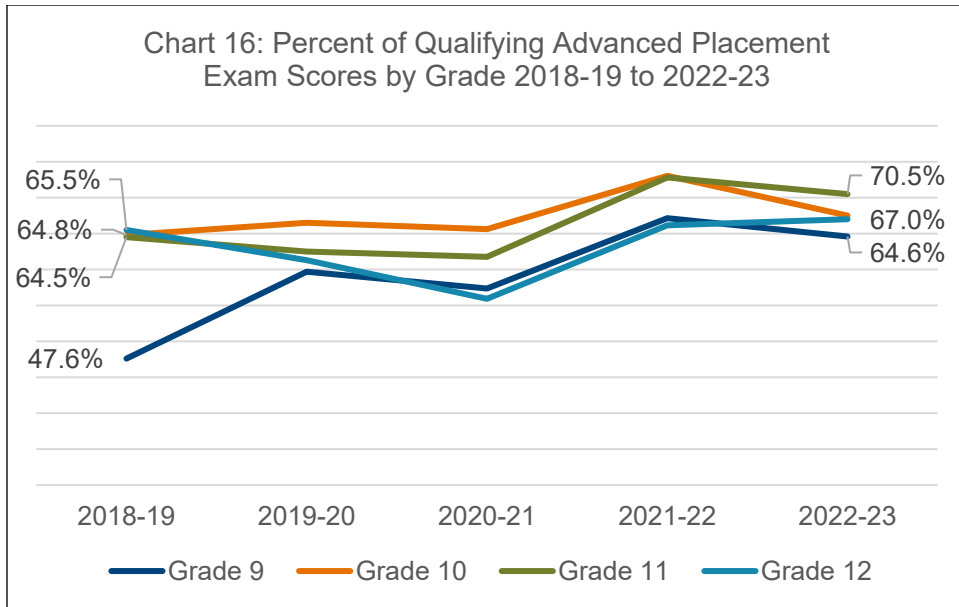
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At every high school, the percentage of AP exams with qualifying scores exceeded the pre-pandemic highs of the 2018-19 school year. Everett High School and Henry M. Jackson High School saw decreases from the 2021-22 school year. However, these decreases accompanied large increases in participation in AP courses and exams. First-time AP course takers and freshmen may have lower rates of qualifying scores. Despite this, if encouraged and supported and with experience, they may persist and meet the qualifying standard on future assessments (Chart 15).



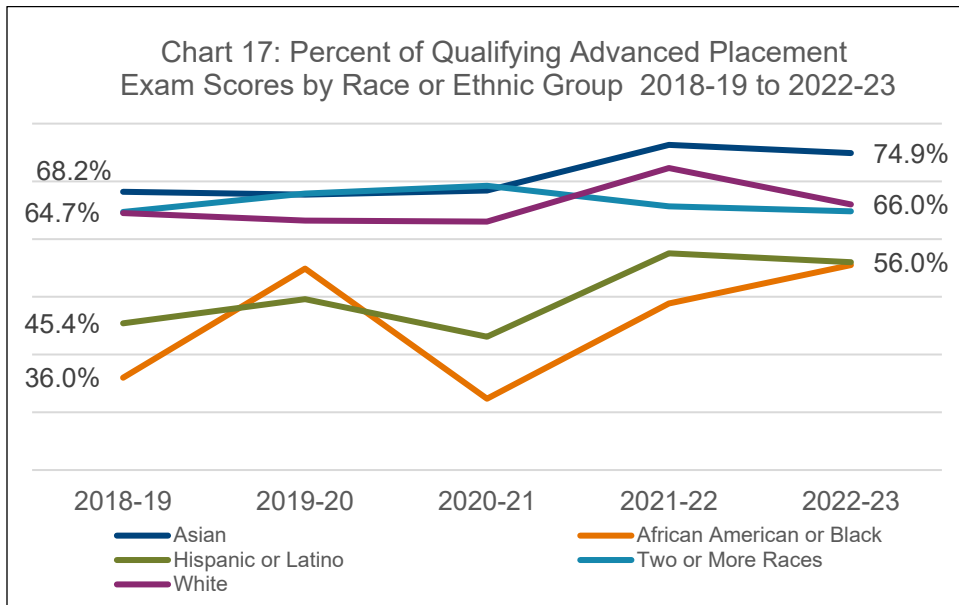
Qualifying Scores by Grade Level

The percentage of AP qualifying scores has increased at every grade level from the pre-pandemic 2018-19 school year. In particular, the percentage of ninth grade students increased from 47.6% to 64.6% with qualifying scores. The 2022-23 grade eleven and grade twelve students were particularly challenged in their experience with advanced placement coursework as their ninth and tenth grade years were interrupted by fully remote and hybrid learning (Chart 16).



Qualifying Scores by Ethnicity

With the exception of students who identified as Two or More Races, all other race or ethnic groups increased in the percentage of students earning qualifying scores. Students who identified as Two or More Races had a similar rate of qualifying scores as in 2018-19. It should be noted that students identifying as African American or Black increased by 20% and, though they saw a precipitous decrease during the 2020-21 hybrid learning year, they rebounded by 22%. Similarly, students identifying as Hispanic or Latino increased by more than 10% from the 2018-19 school year and by 13% from the 2020-21 school year. Students who identified as White increased only 1.5% from 2018-19 and dropped 6% from 2021-22 (Chart 17).



Qualifying Scores by Free and Reduced Meal Status

The gap in the percentage of qualifying scores by Free or Reduced Meal Status narrowed by 1% from 2018-2019. Though it is a modest change, both groups improved their scores in that time period. Students qualifying for Free or Reduce Meals improved by over 13% while those not qualifying for the program improved by just over 2%. It should also be noted that students qualifying for Free or Reduced Meals declined significantly in the 2020-21 hybrid year to 34.3% and made a nearly 20% increase since. This is particularly noteworthy, because the number of AP course takers who qualify for Free or Reduced Meals increased by 15% and AP exam takers increased by 54%. To put this in context, only 53% of students who qualified for Free or Reduced Meals and who took an AP course in the 2021-22 school year also took the AP exam. This increased to 71% in 2022-23.

