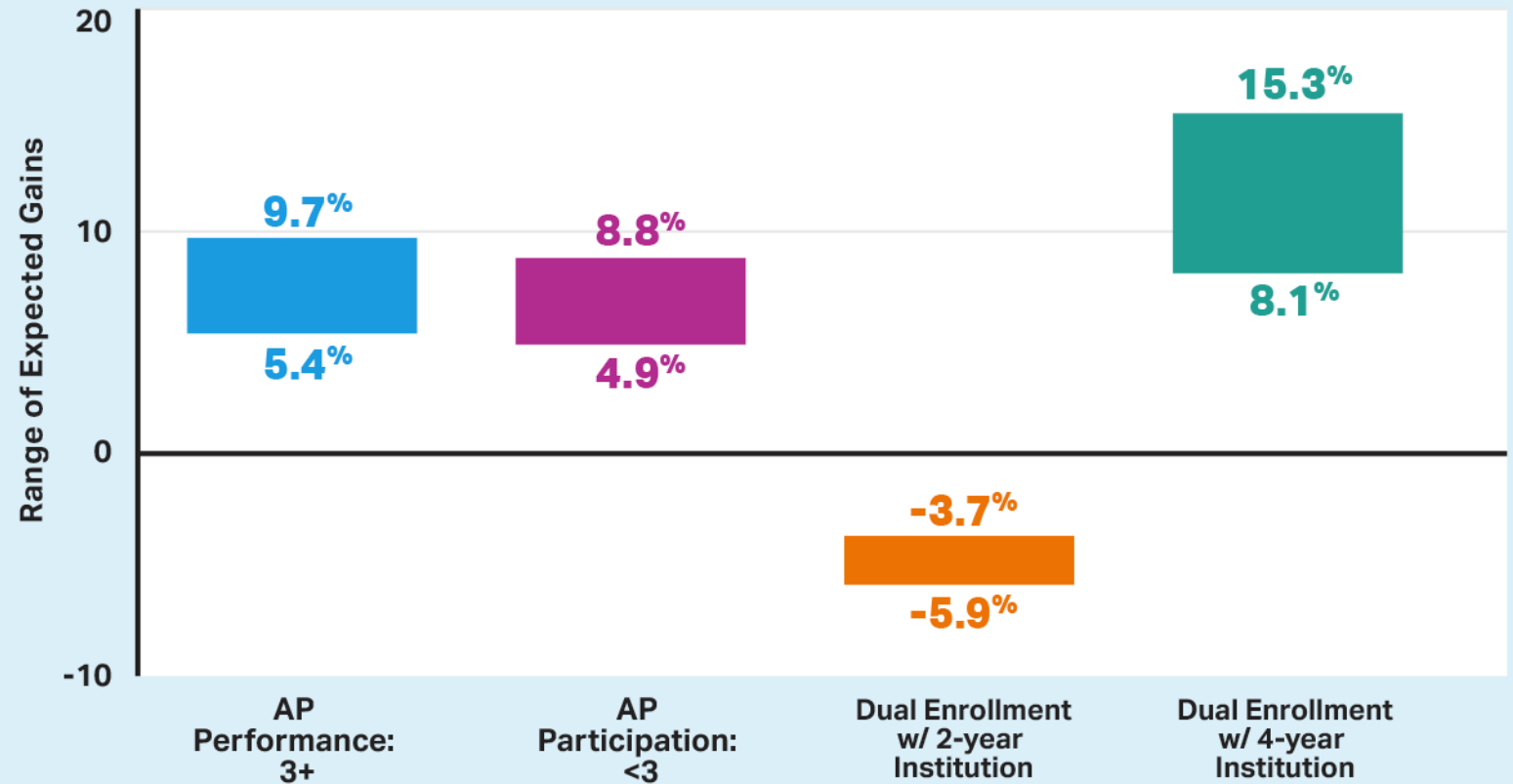


AP students have higher matriculation rates compared to dual enrollment students with a 2-year institution.

Estimated Gains in 4-Year College Enrollment Rates

By Accelerated Coursework Experience and Performance

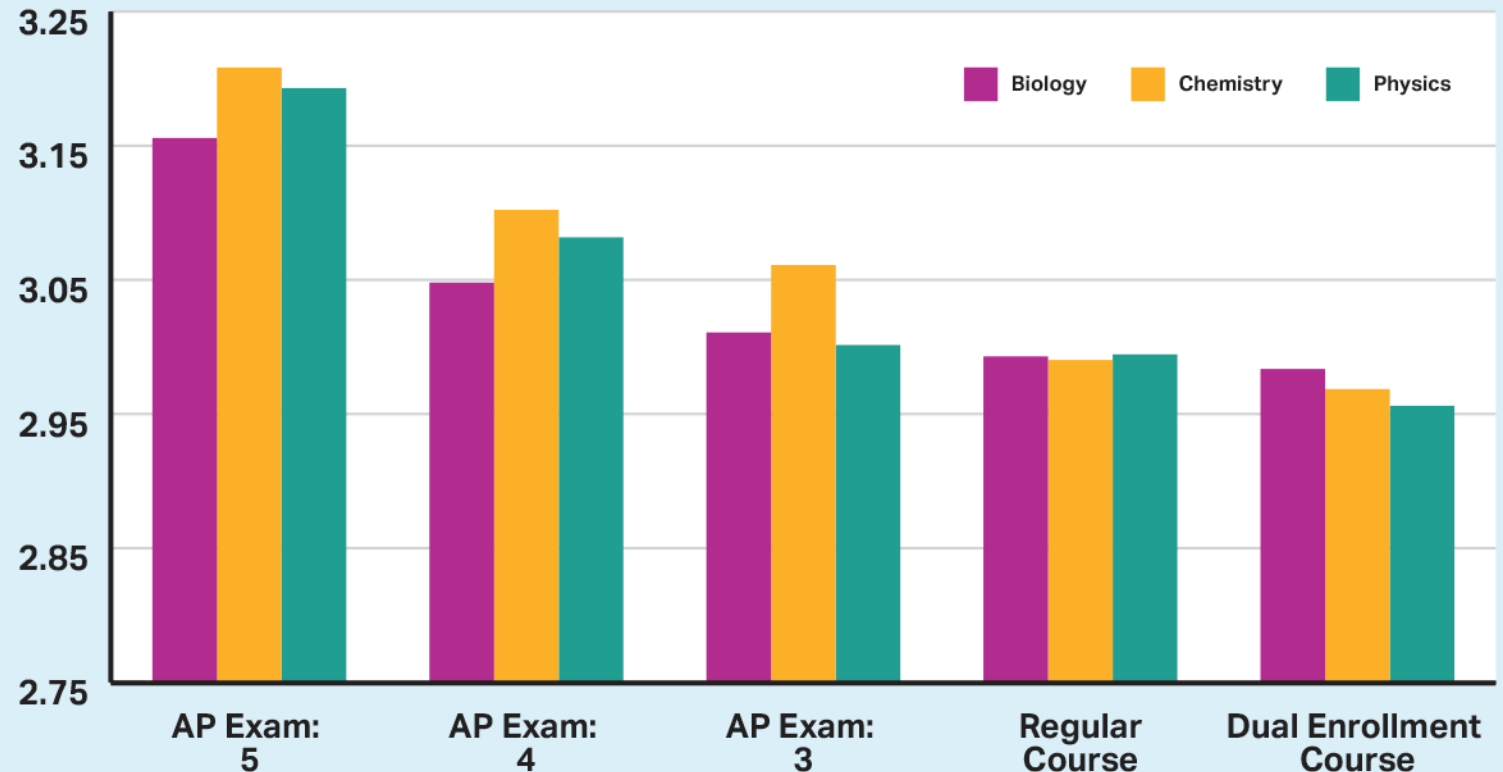


Wyatt, J., Patterson, B.F. & Di Giacomo, F. T. (2015). *A comparison of the college outcomes of AP and dual enrollment students*. (College Board Research Report 2015-3). New York: The College Board.

AP students have higher average college first-year GPAs than dual enrollment students, a strong predictor of longer-term outcomes.

Better Educational Outcomes for AP® Students

Predicted First-Year College GPAs for Takers of AP, Regular, or Dual Enrollment Science Courses

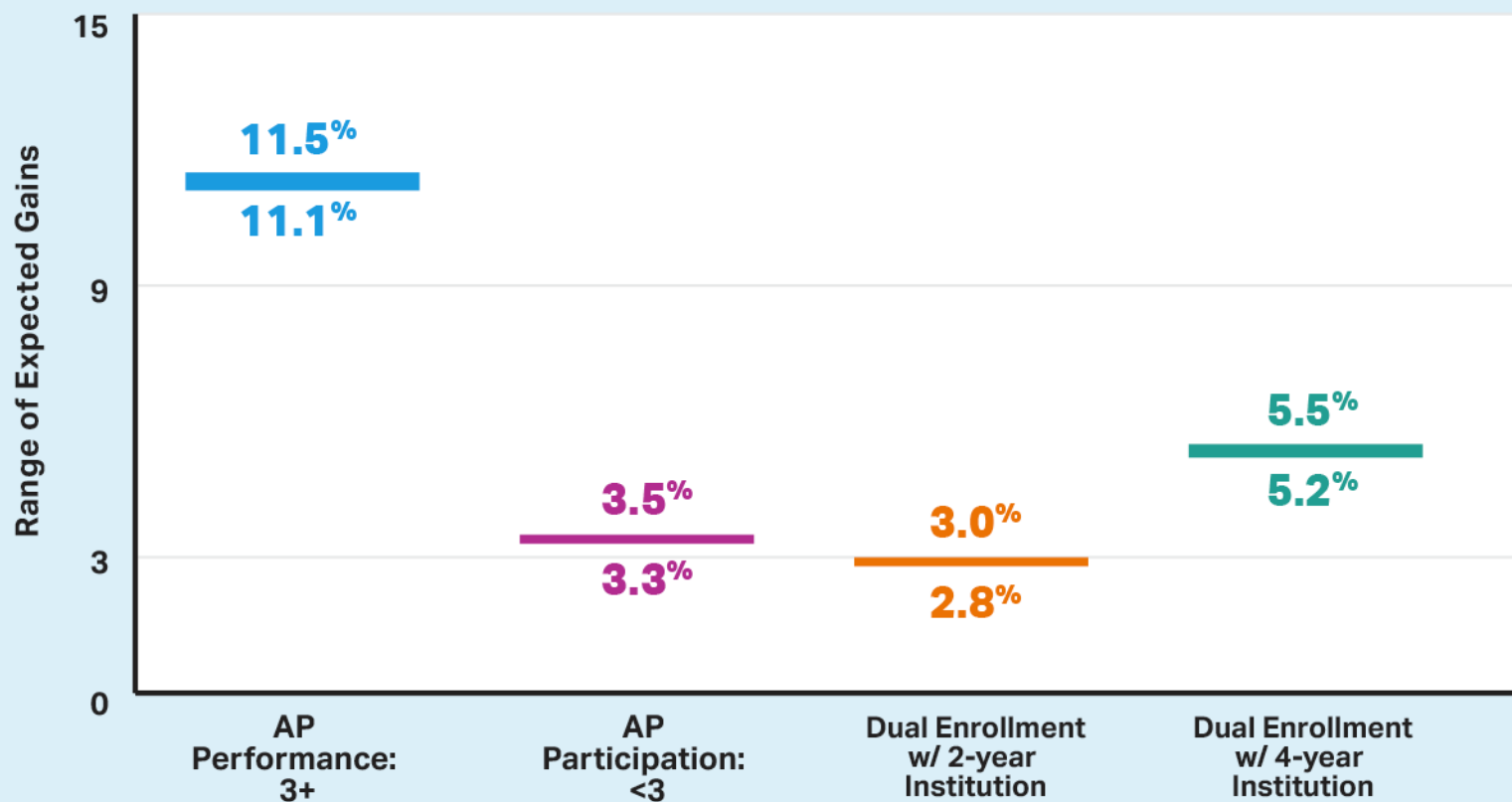


Kaliski, P. K. & Godfrey K. E. (2014). *Does the type of high school science course matter? An investigation of the relationship between science courses and first-year college outcomes.* (College Board Research Report No. 2014-2). New York: College Board.

AP students who score a 3 or above have higher on-time college graduation rates compared to dual enrollment students.

Estimated Gains in 4-Year Graduation Rates

By Accelerated Coursework Experience and Performance



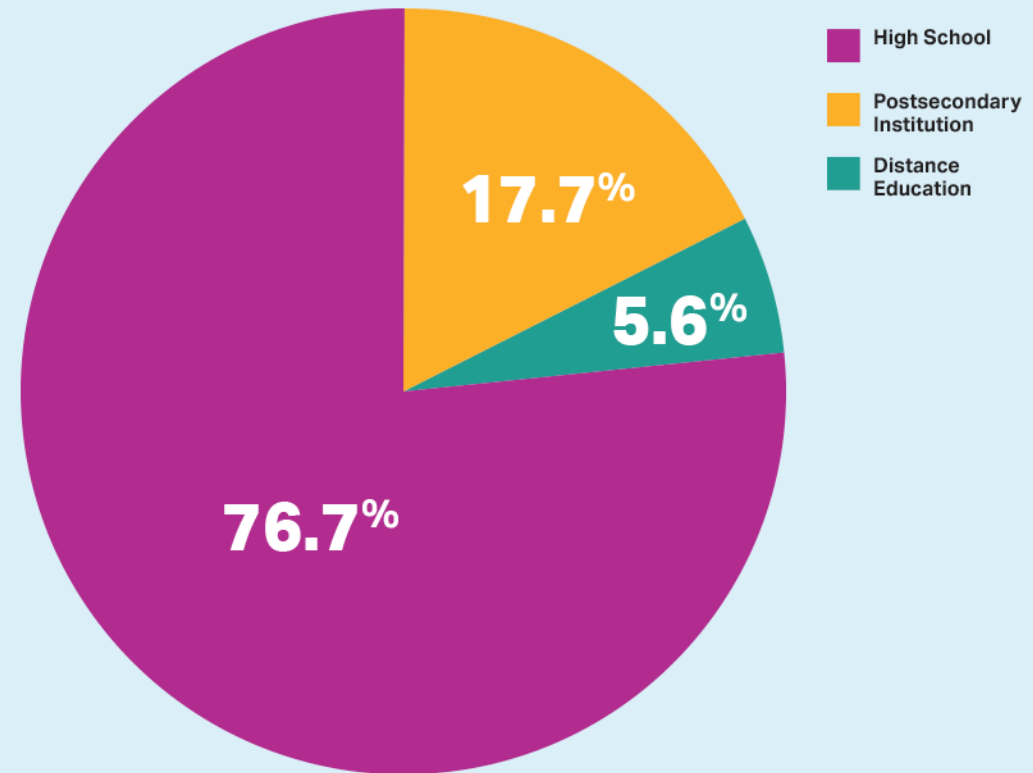
Wyatt, J., Patterson, B.F. & Di Giacomo, F. T. (2015). *A comparison of the college outcomes of AP and dual enrollment students*. (College Board Research Report 2015-3). New York: The College Board.

Most dual enrollment courses take place in high school

For students who take dual enrollment at a high school, there is **no increase in degree attainment**.

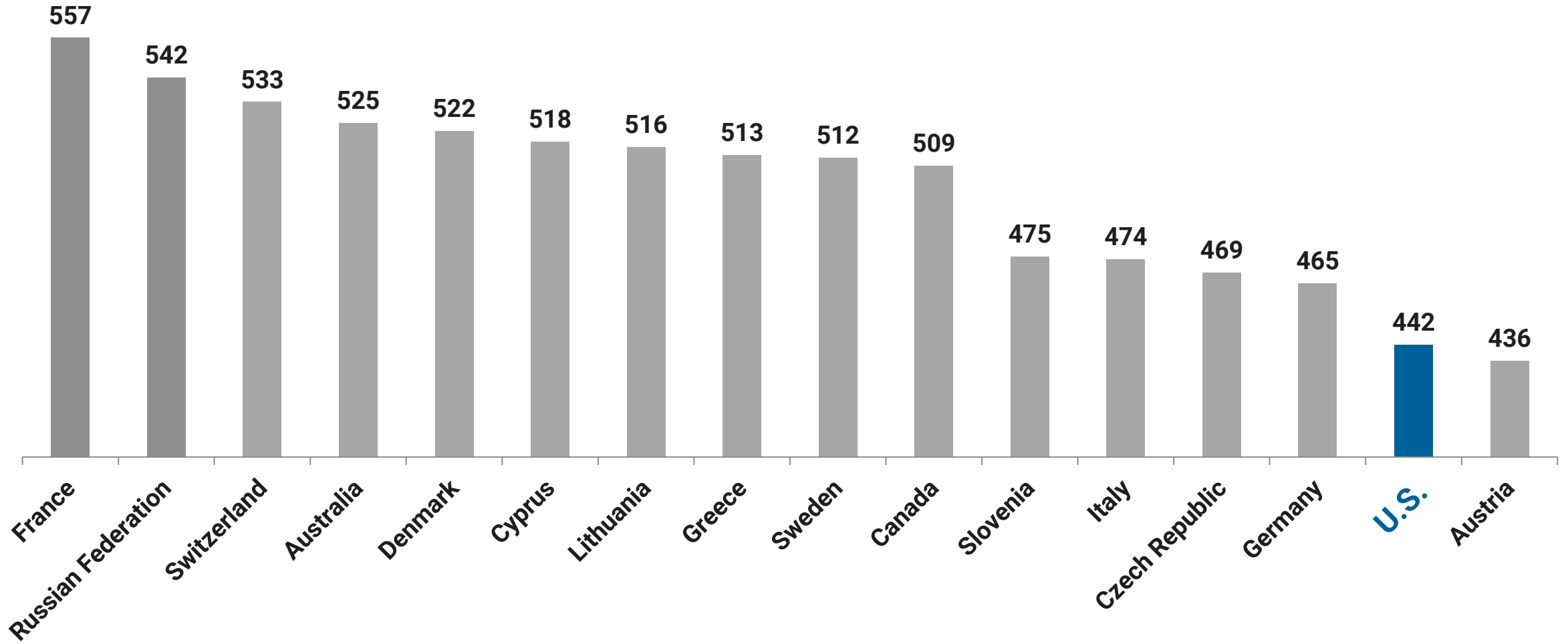
Speroni, Cecilia (2015). *Determinants of Students' Success: The Role of Advanced Placement and Dual Enrollment Programs*. National Center for Postsecondary Research.

Dual Enrollment Course Locations



TIMSS Advanced Math Results: 1995

International calculus scores by country



TIMSS Advanced Math Results: 2015

Percentage of students who reached international performance benchmarks for TIMSS Advanced math

Group A

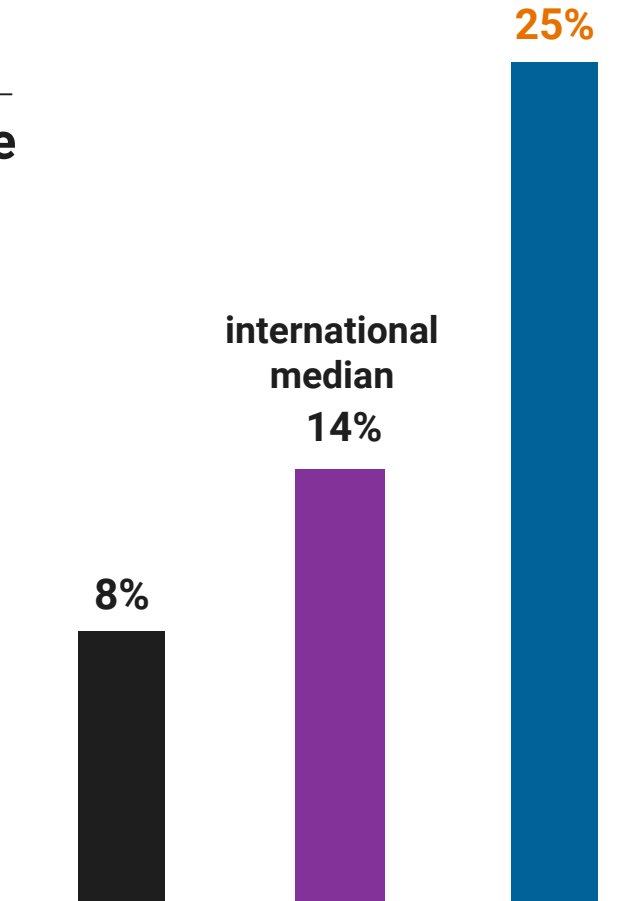
Other U.S. Calculus Students

- More parents with a college degree
- More books at home
- More experienced teachers
- More technology resources

Group B

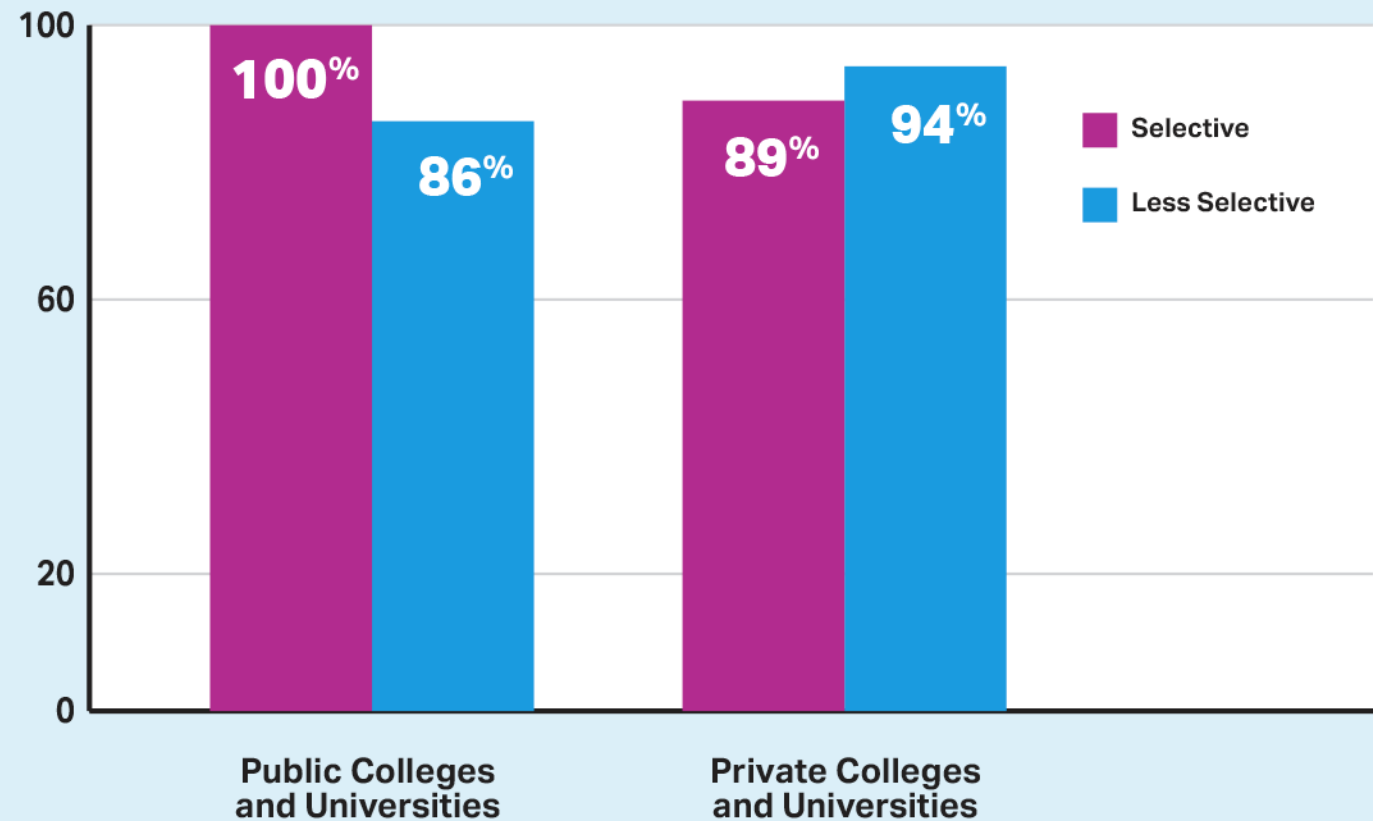
AP Calculus AB Students

- More parents without a HS diploma
- Fewer books at home
- More ELL/ESOL
- More Hispanic/Latinx students
- More African Americans
- 2 more hours of math per week



College Admission Officers Recognize AP Quality

AP Course Participation Consideration in College Admissions Decisions



College admission officers are almost twice as likely to report giving “**significantly more weight**” to AP Course Grades as they are for DE course grades

College Admission Officers Weigh AP® Course Grades Over Dual Enrollment Course Grades

