

2018 AP Analysis



OLIVER AMES HIGH SCHOOL

College Board Definition of AP Success



“Success” on an AP Exam is defined as an exam score of 3 or higher, which represents the score point that research finds predictive of college success and college graduation. These findings have held consistent across the decades. One example of such a study comes from the National Center for Educational Accountability, which found that an AP Exam score, and a score of 3 or higher in particular, is a strong predictor of a student’s ability to persist in college and earn a bachelor’s degree.

* College Board AP 5 Year Score Summary Report

Points to consider while evaluating our AP Exam Data



- 26.3% of OA students took an AP exam last year.
- 16.3% of our test takers were enrolled in 4 or more AP courses (#16 in the state)
- 509 exams earned a passing score (#33 in the state)
- Variation & Sample Size: Year to year, course to course, local vs state vs global.
- College Board adjusts courses/exams over time and shift focus, content, skills.
- Different population of students each year.
- Local adjustment of curriculum made yearly to address changes made at the College Board level.

AP Exams Spring 2018

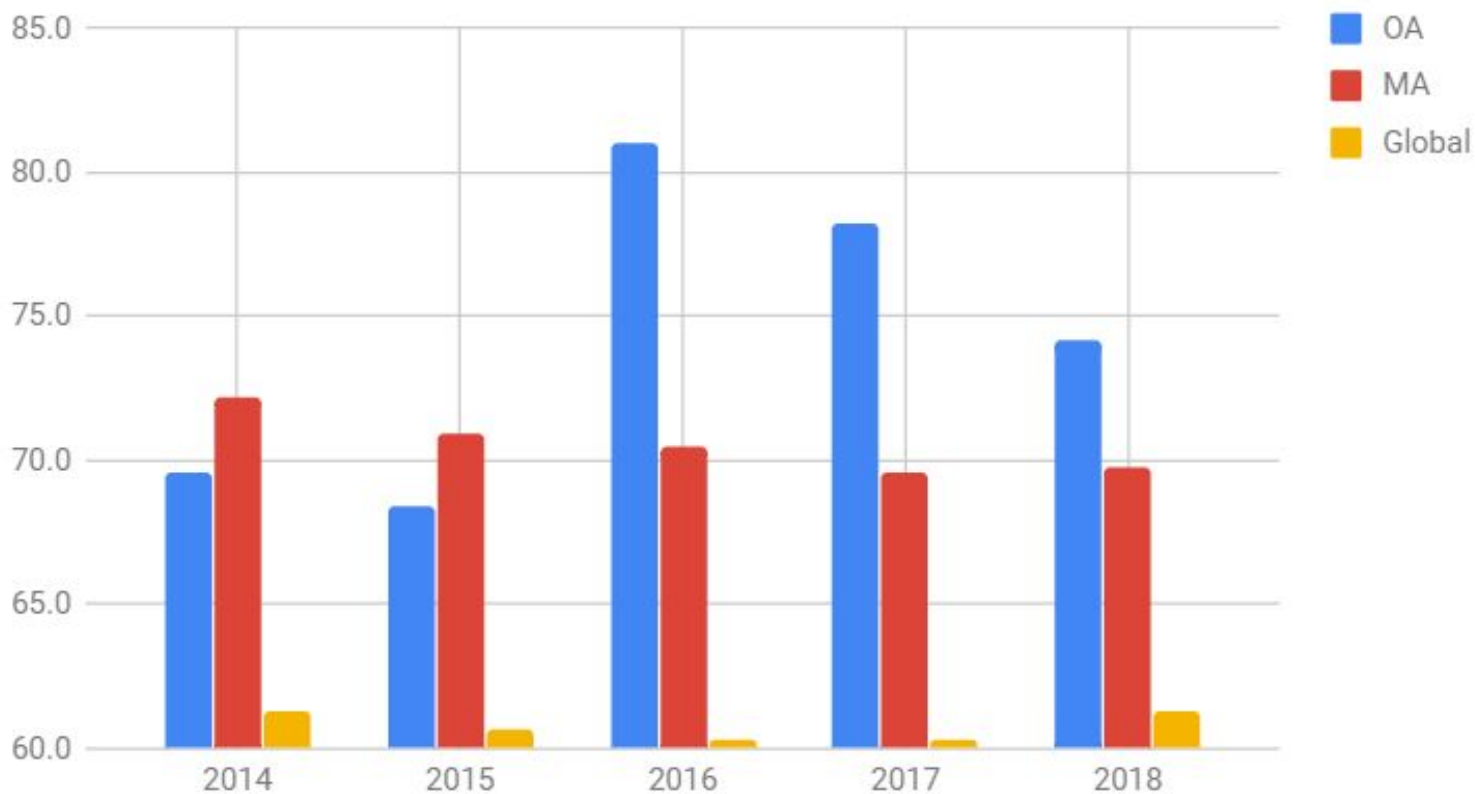


- Biology
- Calculus AB
- Calculus BC
- Chemistry
- Computer Science
- English Language and Composition
- English Literature and Composition
- Environmental Science
- Macroeconomics
- Microeconomics
- Music Theory
- Physics 1
- Psychology
- Spanish Language and Culture
- Statistics
- United States History
- World History

% of AP Students with Scores 3+ on at least 1 Exam



% of Total AP Students with Scores 3+

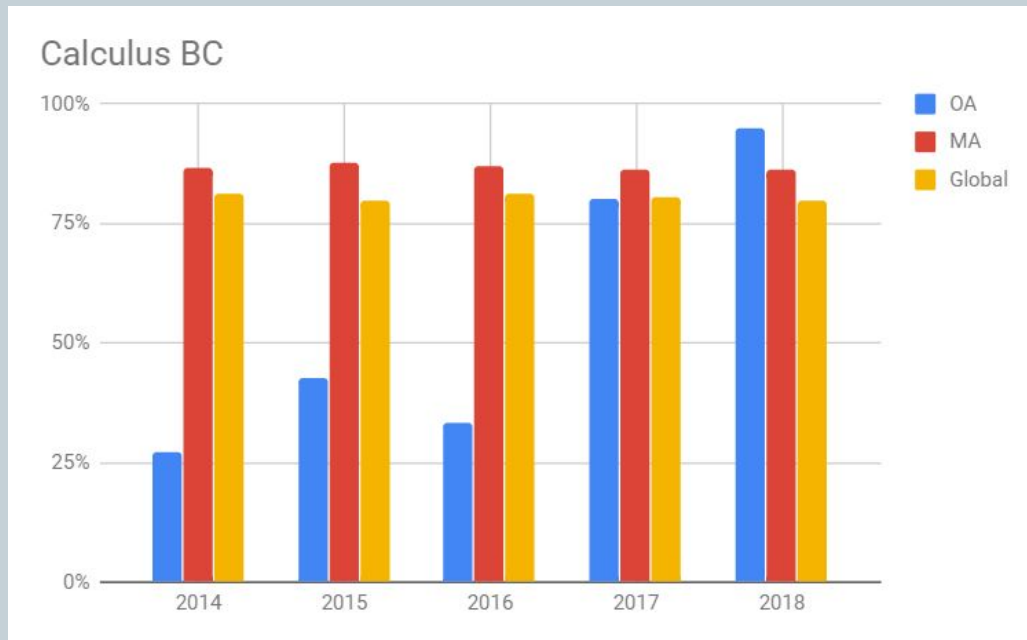


Oliver Ames AP Highlights



- 45 AP Scholars (scores of 3 or higher on three or more exams)
- 27 AP Scholars with Honors (scores of 3.25 or higher on four or more exams)
- 39 AP Scholars with Distinction (scores of 3.5 or higher on all exams taken)
- 9 National AP Scholars (scores of 4 or higher on all exams taken and scores of 4 or higher on eight or more of these exams)

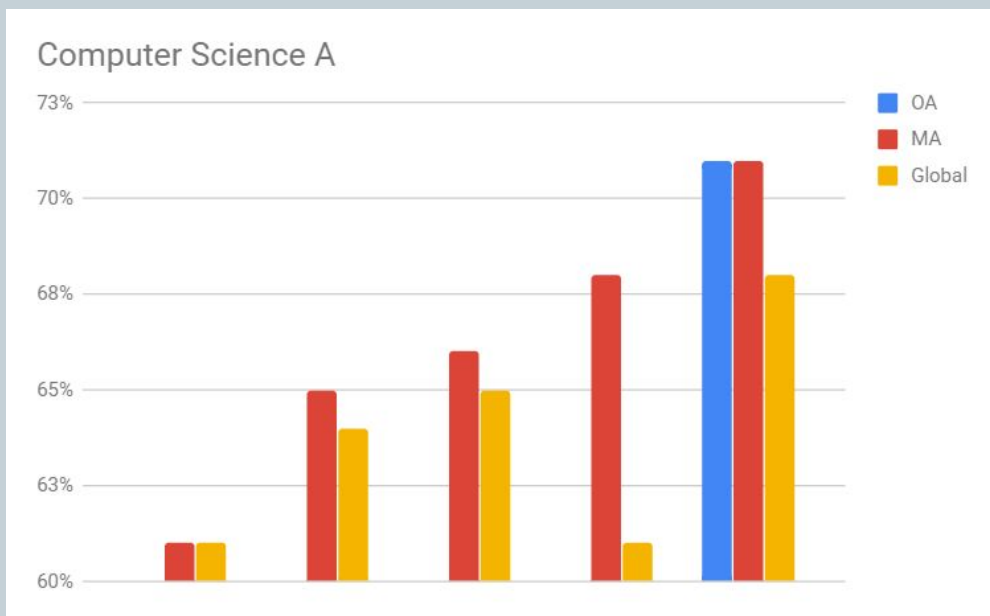
Calculus BC Exam



Key Points:

- Since revising our curriculum for the 2017 exam, the percentage of students earning a 3+ is consistently above state and global averages
- The percentage of students earning a 3+ on the AB subscore was 100% in 2018, which exceeds the global average of 85.0%.
- April mock AP exam helps provide experience with the exam.

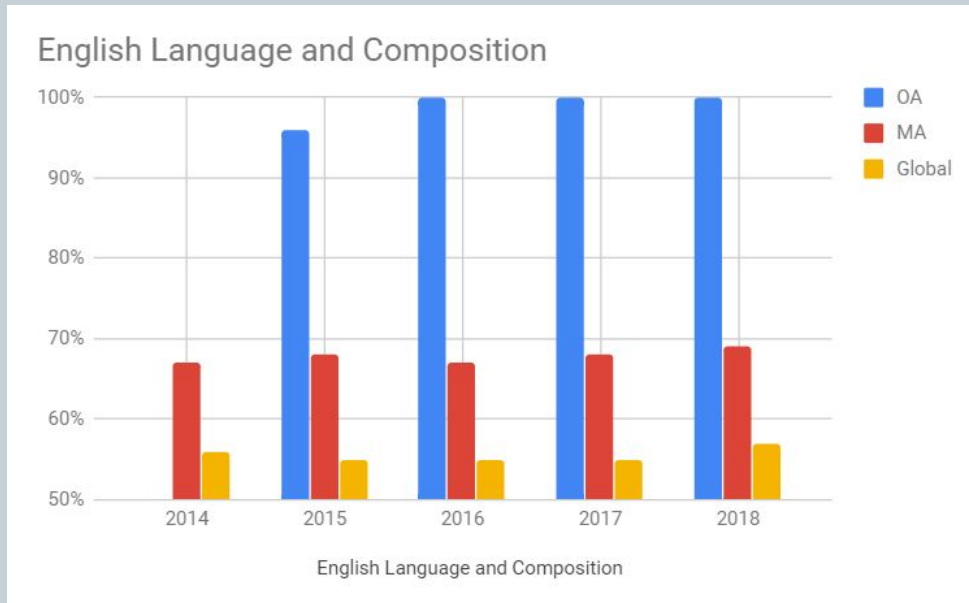
Computer Science



Key Points:

- 2017-2018 was the first school year that AP Computer Science test was given.
- 71% of Oliver Ames students that took the exam scored a 3 or higher.

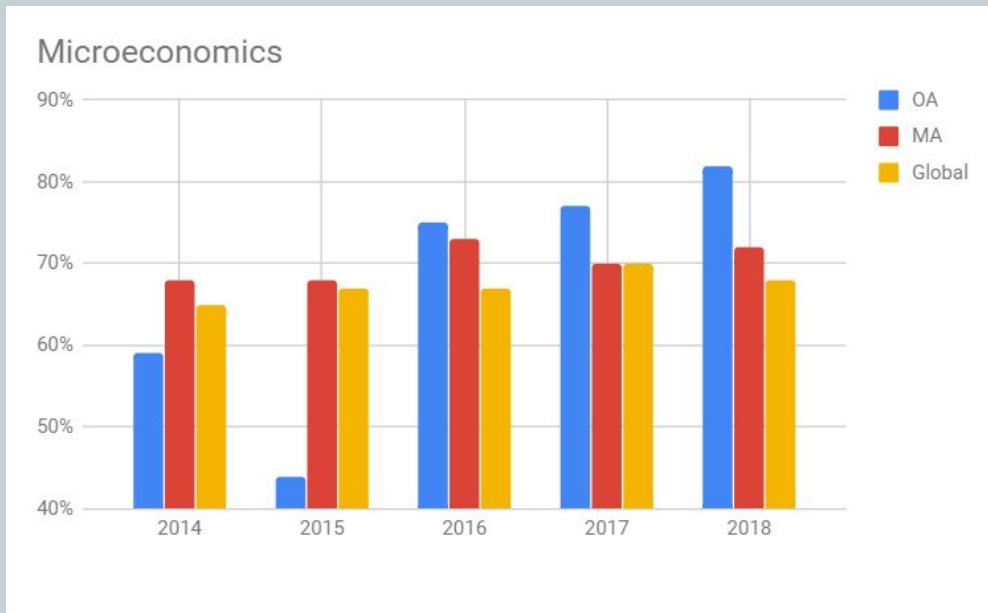
English Language and Composition



Key Points:

- OA scores are continually above the state and global average.
- 100% of OA students that have taken the English Language and Composition AP exam have received a score of 3 or higher for the past 3 years.

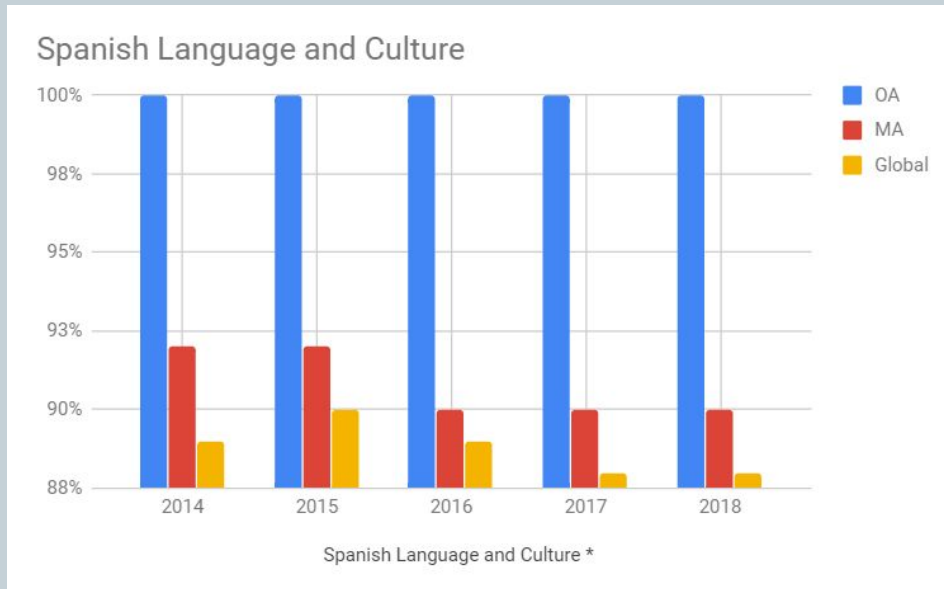
Microeconomics



Key Points:

- The combination Micro/Macro course provides the rigor of a true college level course since 2016.
- Course is open to Sophomores.
- Students are better prepared as data has increased by 38% from 2015 to 2018.

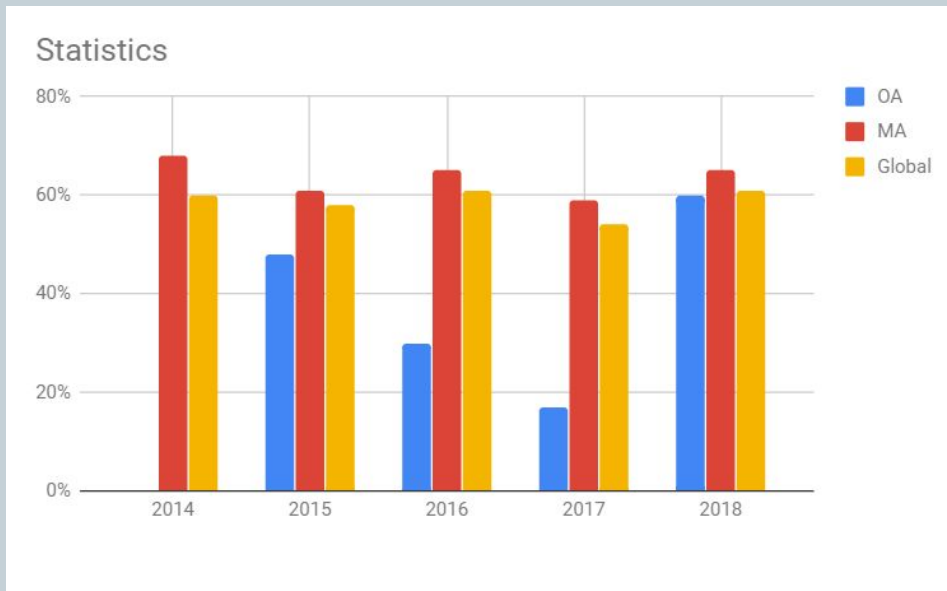
Spanish Language and Culture



Key Points:

- Creation of Pre-AP in 2012-2013 has strengthened AP course overall.
- Students are well-trained in use of language lab, where test is administered.
- 100% of students have scored a 3 or higher since 2014.

Statistics



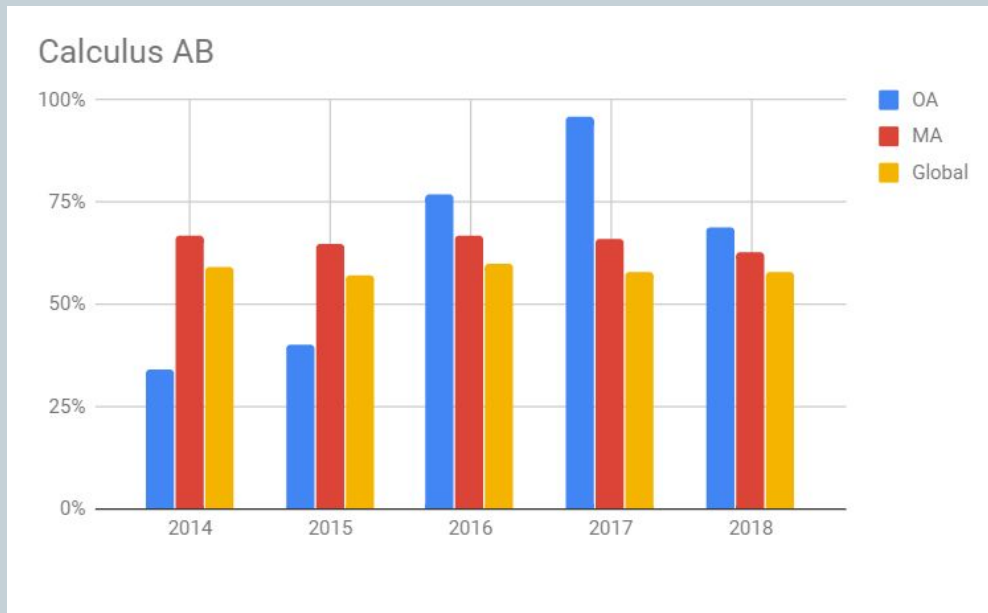
Key Points:

- Increase in % of student scores 3 and above from 16.67% to 60% (highest since the start of the program in 2015)
- Course inclusive for wide range of students
- April mock AP exam

Oliver Ames AP Questions to Consider



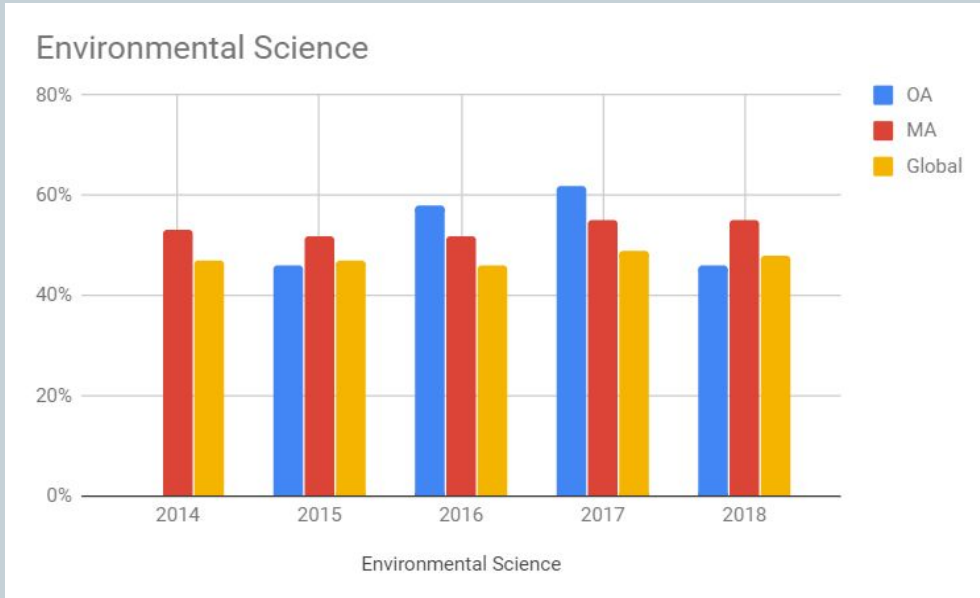
Calculus AB Exam



Key Points:

- While Calculus BC AP test saw an increase, Calculus AB saw a decrease.
- Need more work on modeling rates.
- Our students have no previous experience with AP Calculus and only one unit of calculus is covered in Honors Pre-calculus. (Many students elsewhere take AB before taking BC or cover additional calculus topics in precalculus) We are looking to increase calculus coverage in H Pre Calc.

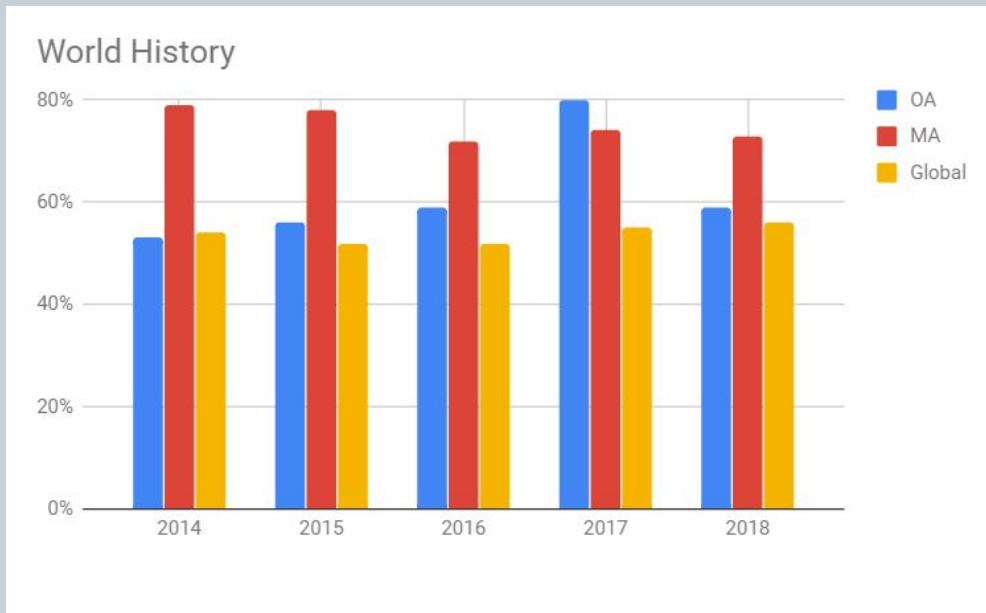
Environmental Science



Key Points:

- Adjustment to curriculum may not align with the next test emphasis.
- Provides the rigor of a college level course to students who would likely not take an AP level course.
- Instructors use AP Instructional Planning report to inform changes to curriculum.

World History



Key Points:

- First AP course for many students. No prerequisite for entry.
- Fluctuations in enrollment may have some correlation to the dip in 2018, as we had 49 students in 2017 and 79 in 2018.
- Starting in the 2019-2020 school year, the AP exam material starts in 1200 CE rather than the last 10,000 years. This will require changes to our local curriculum.