

Davis High School MATH DEPARTMENT GOALS

- 1) Help as many students earn college math credit while in high school as possible.
- 2) Help all students be prepared for the next step in their college or career path.

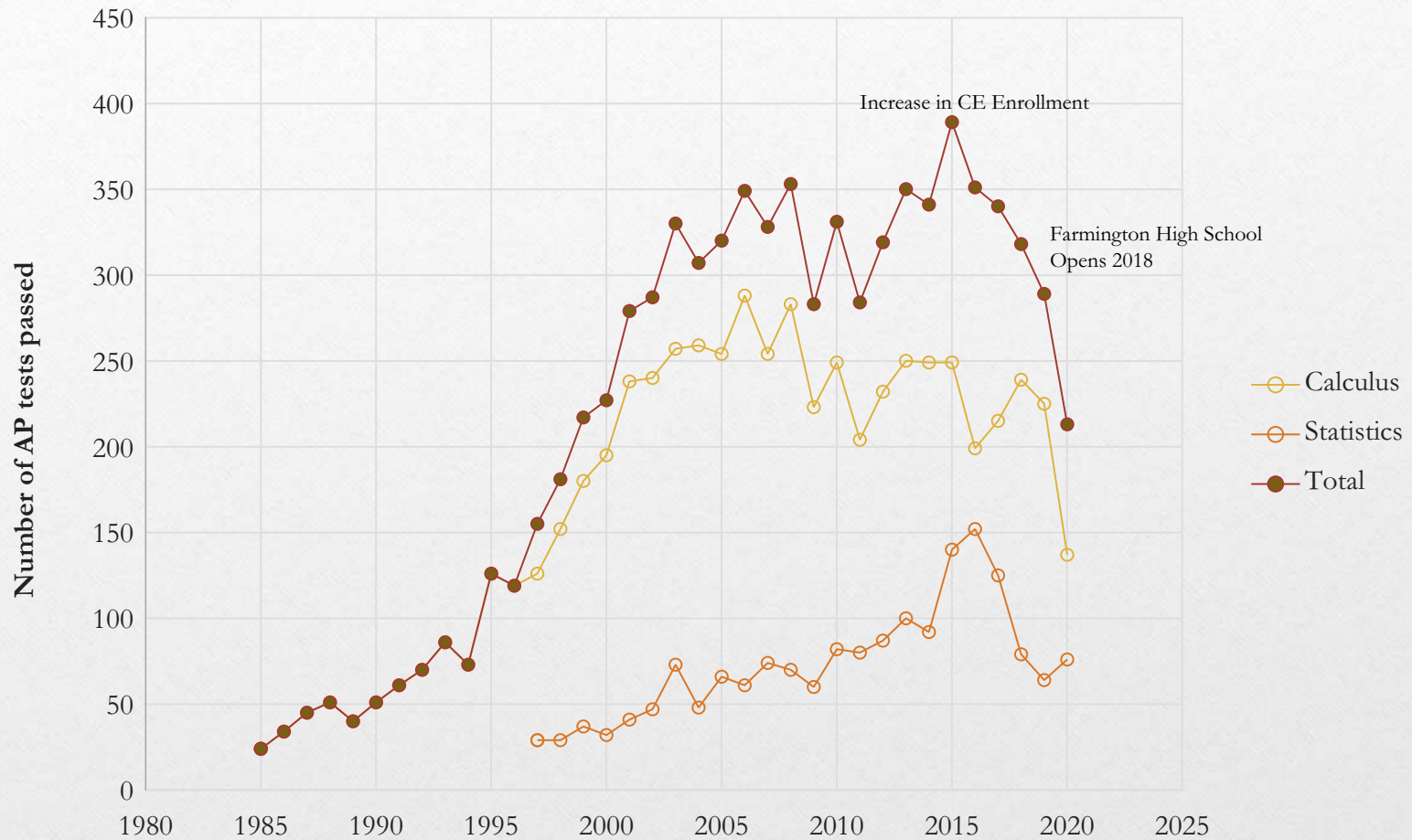
What is your Math Goal?

- Earn college credit in high school
- Get scholarships for college
- Be prepared for math in college
- Finish college math requirements while in HS
- Hate math, just want to graduate!

What is the Math Requirement?

- Graduation requirement is 3 years of math
 - Usually Sec Math I, II and III
 - Math for Life, Accounting
- Colleges are really looking for 4 years of math
- NCAA requires 4 years of consecutive math courses
- Regents Scholarship
 - 4 years of consecutive math classes
 - Dropping out of honors after midterm could disqualify you for Regents

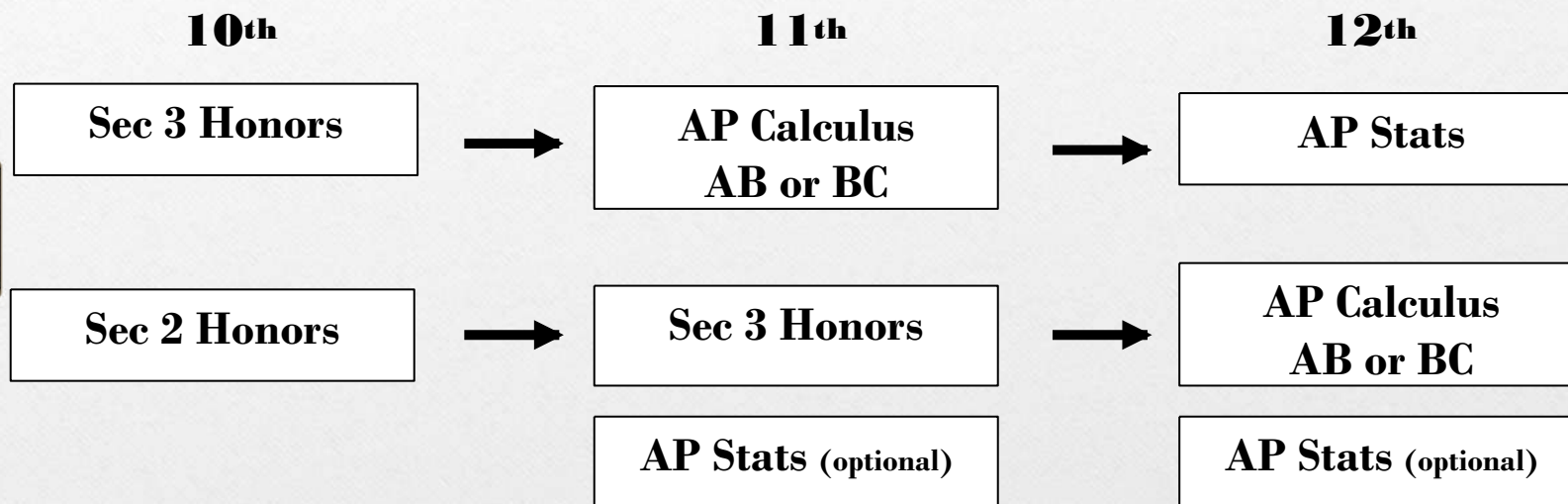
Students Earning AP Credit



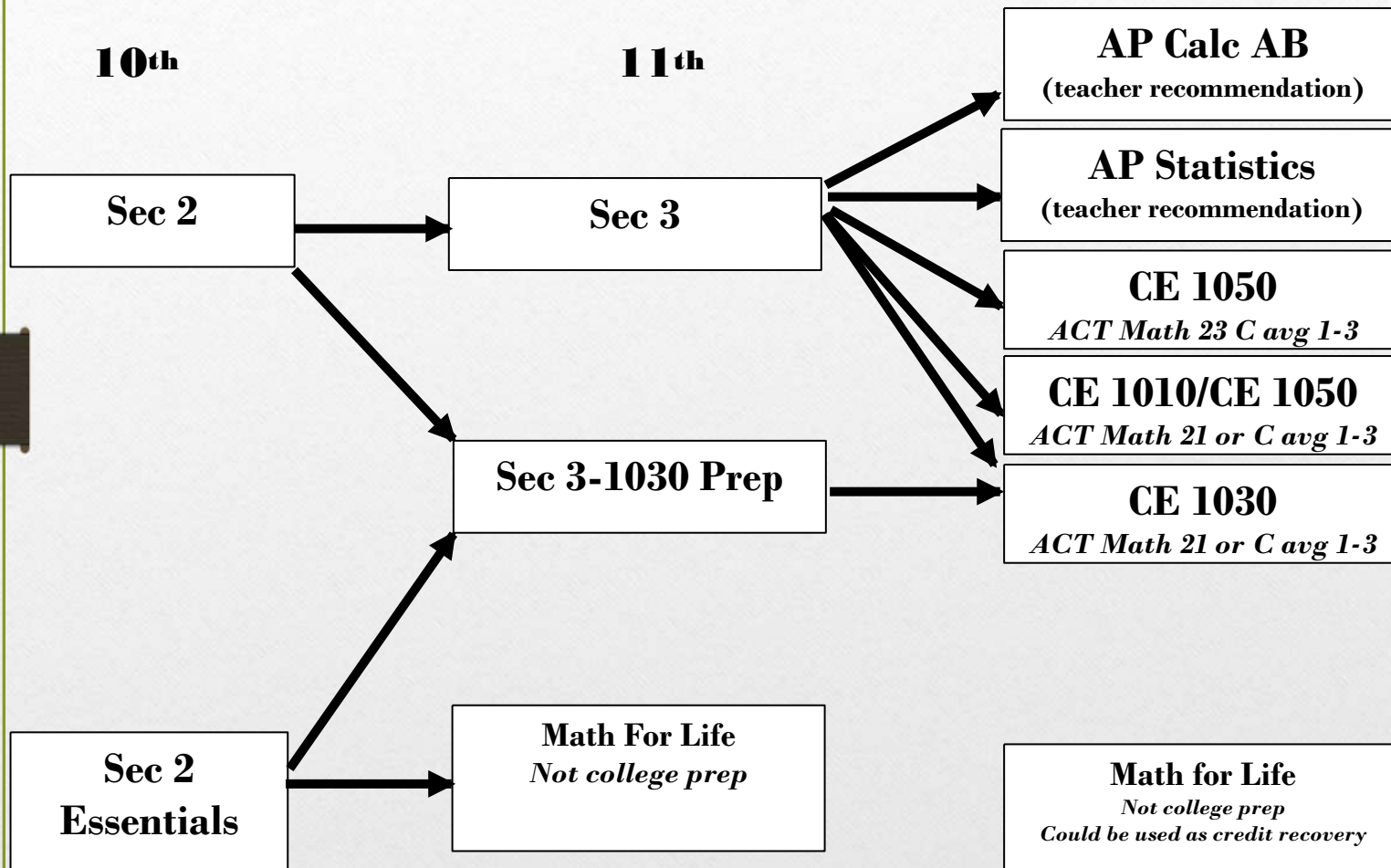
Success at DHS

- Over the past 6 years, 647 students have earned Math 1050 credit. 2604 credits. Over 90% of our students earn this credit.
- 200 students are earning AP Calculus credit every year.
- Our AP Statistics numbers *grew* during the development of the new core
- Over 30% of graduating seniors have earned Calculus credit
- Over 50% of graduating seniors are earning some form of college math credit.
- Pass Rates: AB Calc 95% BC Calc 99% Stat 98%

HONORS MATH FLOW CHART



REGULAR MATH FLOW CHART



College Credit in High School

- AP Calculus AB or BC (avg tuition cost is \$2200 vs \$95 for AP Test)
 - 6-8 semester hours, Math requirement filled
 - Pass the AP test in May (more on that later)
 - Earn credit for Math 1050, Calc 1 (AB) and Calc 2(BC)
 - Bonus: Higher ACT scores
 - Bonus: Prerequisite never expires.
 - AP Scores will start being used for college admissions, when ACT and SAT are no longer required.
- CE Math 1050 (avg tuition cost is \$875)
 - 4 semester hours (one semester counts as a whole year of math for Regents)
 - Earn credit for Math 1050 (transfers to most in state schools and some outside)
 - Required: ACT math score of 23 within the past year, and a C average in I, II and III
 - Prerequisite expires after a year ☹

College Credit in High School

- CE Math 1030 (avg tuition is \$875)
 - 3 semester credits (Counts as year of math for Regents)
 - Math requirement filled for Humanities and Arts majors
 - Required: C average in Sec I, and Sec 2, and Sec 3 or a Math ACT 21
- CE Math 1010 (avg tuition is \$875 + additional fees for remedial course)
 - 4 elective semester credits
 - If you earn a C or better, you will be able to take 1050 2nd Semester. (Regents requires both 1010 and 1050)
 - If you do NOT earn a C or better, then take CE Math 1030
 - Required: C average in Sec I, and Sec 2, and Sec 3 or a Math ACT 21

Advantages to AP or CE

AP Calculus

- More college credit
- Credit lasts forever
- Higher ACT scores
- Better preparation for the rigor of college
- For the past 20 years our pass rate is over 90%
- AB Calc 95% BC 99%
- Stats 98%

CE Math 1050

- Less rigorous
- Better grades
- Only one semester
- Credit for 1050 lasts “forever”
- Prerequisite: Only lasts 1 yr
- Over 90% pass rate

Our Recommendations

- Teacher Recommendation
 - Talk to your junior high math teacher and see what they recommend, honors or non-honors
- If you want to try honors, DO IT
 - You can always drop back to the regular course
 - Complications with Regents ☹
- What if I didn't take Sec I Honors?
 - If you want to try honors DO IT!!!
 - It will be hard work, but it will be worth it
 - If not, we'll drop you back before Midterm, if necessary

Tell your Friends

- This power point will be posted on the school website under math.
- If your neighbors have questions, tell them to email any of us and we are happy to give our recommendations about placement.