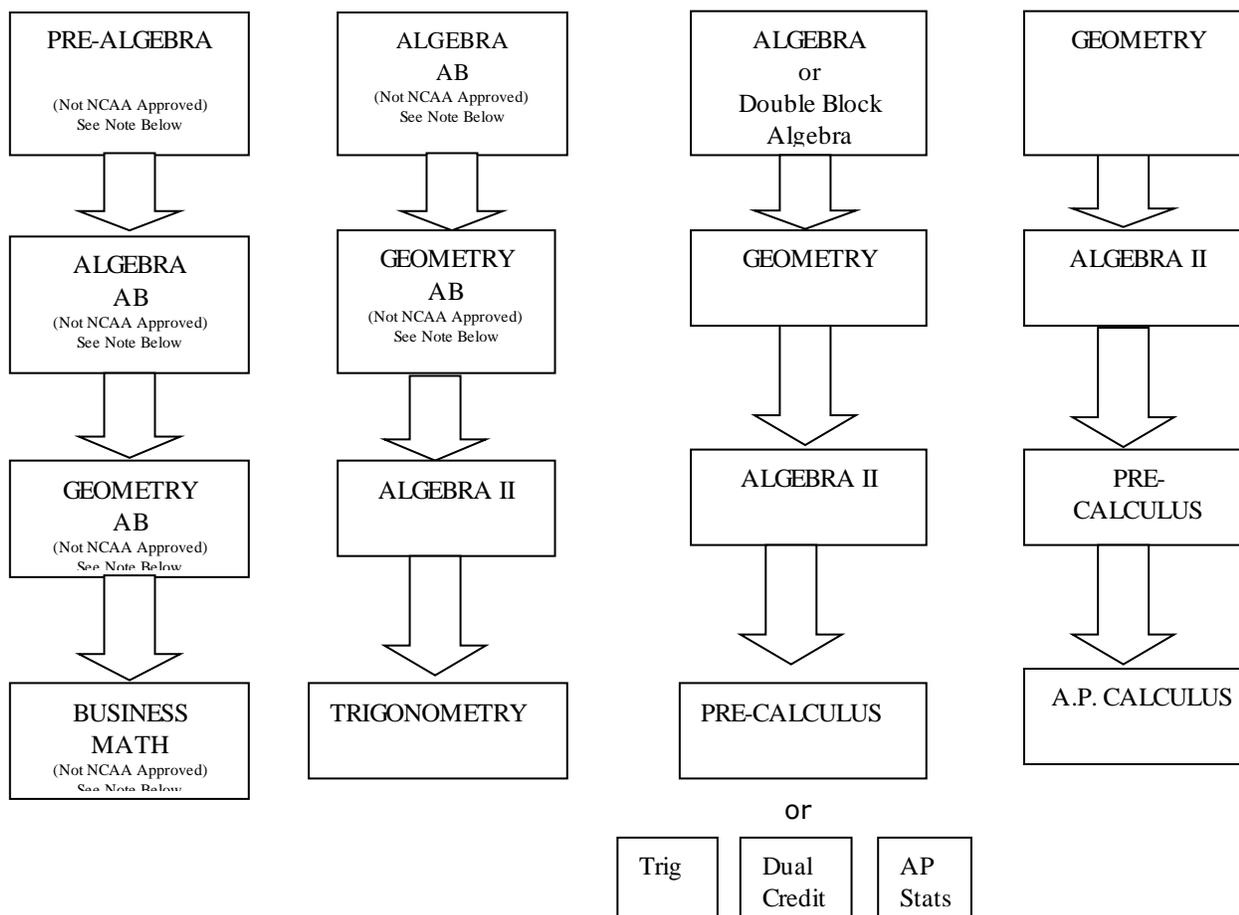


RECOMMENDED MATH SEQUENCE



Courses designated as "Not NCAA Approved" only apply to student-athletes who have the chance to play at an NCAA Division 1 school. If there is a chance that your son or daughter might play college sports at the Division 1 level then they should NOT be enrolled in these classes. Speak directly with the coach of your sport to find out if the student-athlete has a chance to play Division 1 college sports.

**There are opportunities for diagonal advancement with the appropriate interventions.

Graduation Requirements: All students must complete three years of mathematics to graduate.

FAQ:

What is the difference between Algebra, Double Block Algebra, and Pre-Algebra?

- Algebra is the course that most college-bound students will take their freshman year of high school.
- Double Block Algebra is a course that meets for two periods each day. The intent of this class is to use a students' freshmen year to get them back to grade level in time for their sophomore year.
- Pre-Algebra is a course for students who need a review of eighth grade math. These students have typically had a very difficult time in math in the past and are not yet prepared for Algebra.

How do I know what course my child should take?

- All students will have a recommendation from their eighth grade math teacher. Unless there are unforeseen circumstances, parents should adhere to that recommendation.

What are my options if I don't agree with the recommendation of an 8th grade teacher?

- In almost every case, the recommendation by the 8th grade teacher is accurate and the students should be placed in the recommended course. Students will struggle and often fail if they are moved to a higher course. Students will likely be bored if they are placed in a lower class. You have the option of contacting the 8th grade teacher to discuss the recommendation.

What is the difference between Geometry and GeometryAB?

- GeometryAB covers the same content as Geometry but is designed for the student who has experienced difficulty in previous math courses due to lack of ability (as opposed to a lack of motivation). The course has a prerequisite of AlgebraAB. Students from Algebra may enroll in GeometryAB only with a recommendation from a high school math teacher.

Can students take summer school classes to advance on the curriculum map?

- This practice is not normally allowed but a request would be considered on a case-by-case basis. Cramming an entire high school course in to 4 weeks in the summer is not enough time for students to grasp the material well enough to be successful at the next level.

Does Sycamore High School offer Advanced Placement math classes?

- We offer A.P. Calculus and A.P. Statistics to students who have met all the requirements necessary to enroll.

Can students take two math classes at the same time?

This is not normally allowed but a request would be considered on a case-by-case basis. It is possible for a student to enroll in both Geometry and Algebra II concurrently but this requires department approval.

Should my student take Pre-Calculus or Trigonometry?

- Students who have performed well in Algebra II (B- or better) normally enroll in Pre-Calculus. Much of the same content is covered in the classes but the Pre-Calculus course is designed for those students who plan to major in math, science, or engineering in college.

Support and Interventions for Incoming Freshmen

- Students may be required to meet with our math interventionist for several periods each week to help catch them up to the rest of their class. They typically meet during study halls but occasionally meet before or after school.
- Free Math Tutoring availability:
 - o Library after school (3:20 - 4:20) on Tuesdays and Thursdays

- Sunday nights (7-9pm) in the Library
- Library Thursday morning (7:45 - 8:45 Late start days)