



BHS COURSE COMPARISON GUIDE

ALGEBRA I & HONORS ALGEBRA I

Math

Course Descriptions

Algebra I: focuses on families of functions, including linear, quadratic, polynomial, radical, and exponential. Functions are represented using verbal descriptions, equations, tables, and graphs, and they are used to model real-world situations in order to solve problems. A TI-83/84 graphing calculator is required.

Honors Algebra I: examines the topics of Algebra I in greater depth and at a faster pace. Intended for the very capable, interested and motivated mathematics student, the course addresses additional topics such as piecewise functions and transformations. A TI-83/84 calculator is required.

Algebra I students who traditionally perform well...

- ◆ invest 20-30 minutes per night completing homework and/ or reviewing course materials
- ◆ arrive each day to class prepared (books, handouts, supplies, etc.) with homework and night assignments completed
- ◆ check and compare answers in the back of the textbook before the next class
- ◆ take an active approach to the learning process and accept responsibility for the roll they have in developing critical thinking skills

H. Algebra I students also...

- ◆ understand they will typically have an additional 10-15 minutes of nightly homework, review and preparation for the following academic day
- ◆ are willing to work at a faster pace and greater depth of knowledge
- ◆ work through a higher level of course content understanding through additional steps/processes to arrive at the correct answer
- ◆ are regularly checking worked-out solutions online and working independently to correct errors
- ◆ think more independently and having confidence to tackle non-routine problems

From a student's perspective...

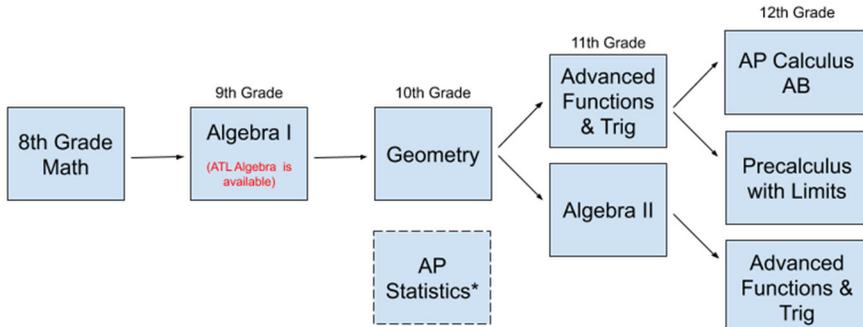
'The first quarter of Honors is difficult because of the adjustments you have to make in your study habits. Just because math came easily to you in the past doesn't mean you won't have to put in time and effort. It will be a challenge, but if you are up for it, you will look back and be amazed at what you accomplished and how it pays off the following year.' - Bexley Student (Sophomore)

MATH REQUIREMENTS & COURSE PROGRESSION

Math Requirements for Graduation

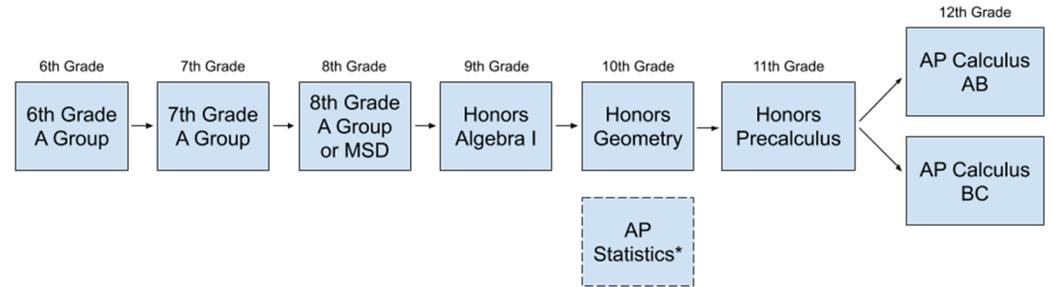
Four credits of mathematics are required for graduation. Students should expect to explore and practice mathematics daily. All courses assist students with skills to help them do well on standardized tests, such as the OST, SAT, ACT, and prepare them for real-world problem solving. All courses require students to have a TI-83/84 graphing calculator.

Traditional Pathway



*AP Statistics can be taken anytime after the completion of Algebra I, and is often taken concurrently with another math course.

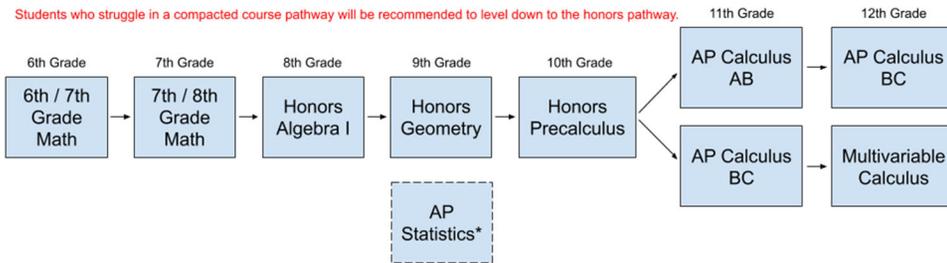
Honors Pathway



*AP Statistics can be taken anytime after the completion of Algebra I, and is often taken concurrently with another math course.

Compacted / Accelerated Pathway

Students who struggle in a compacted course pathway will be recommended to level down to the honors pathway.



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Fortified Pathway

