

8th Grade Proof Geometry Students

Proof Geometry is an "advanced" math class. At Boulder or Monarch High School this course is considered Advanced Geometry. At Fairview and Centaurus High School this course is considered Pre-IB Geometry. As a result, the majority of you should expect a recommendation into an advanced math class. Because the recommendations are different depending on whether the high school has an IB or AP program, we'll look at those two cases separately.

Case 1: If you plan to attend a high school with Advanced Placement coursework (Boulder or Monarch High School).

If you have an **70% or above** in Proof Geometry you can expect a recommendation into Advanced Algebra 2.

If you have **less than an 70%**, you have two options.

1. If you would like to stay on the "advanced" track, you may retake Advanced Geometry. This is probably your best option.
2. You may also choose to transition into "regular" Algebra 2. The difficulty with this track is that you may run out of math classes to take during your senior year. You will also be placed with older non-accelerated math students.

"Regular" math class sequence:

- Algebra 2 (9th) -> Pre-Calculus (10th) -> AP Calculus 1 (11th) -> AP Stats (12th)
 - Either AP Calc 1 or AP Stats can be taken Junior and Senior years.
 - Depending on the high school you attend, their "regular" Pre-Calc may not do a good job of preparing you to take AP Calculus. It's worth asking the math teachers at that particular high school what they think about their "regular" math sequence. Some high schools think they do a great job. Others don't. The teachers are pretty out in the open about what they think.

"Advanced" math class sequence:

- Advanced Algebra 2 (9th) -> Pre-Calc (10th) -> AP Calculus 1 (11th) -> AP Calculus 2 (12th)

Case 2: If you plan to attend Fairview or Centaurus High School (IB program).

1. If you have a **70% or above** in Proof Geometry AND an **83% or above on tests** in Accelerated Algebra, you are eligible for Pre-IB Algebra 2/3.
2. If you have **70% or above in Proof Geometry AND less than an 83% on assessments in Accelerated Algebra** you will be recommended into PIB Algebra 1/2 for a stronger foundation in Algebra. You would then enroll in PIB Alg 2/3 in 10th grade.
3. If you have **less than a 70% in Geometry** you will be recommended to retake PIB Geometry.

"Advanced" math class sequence (not IB diploma math pathway):

Advanced Algebra 2 (9th) -> Advanced Pre-Calc (10th) -> AP Calculus AB (11th) -> AP Calculus BC (12th)

"International Baccalaureate" math class sequence:

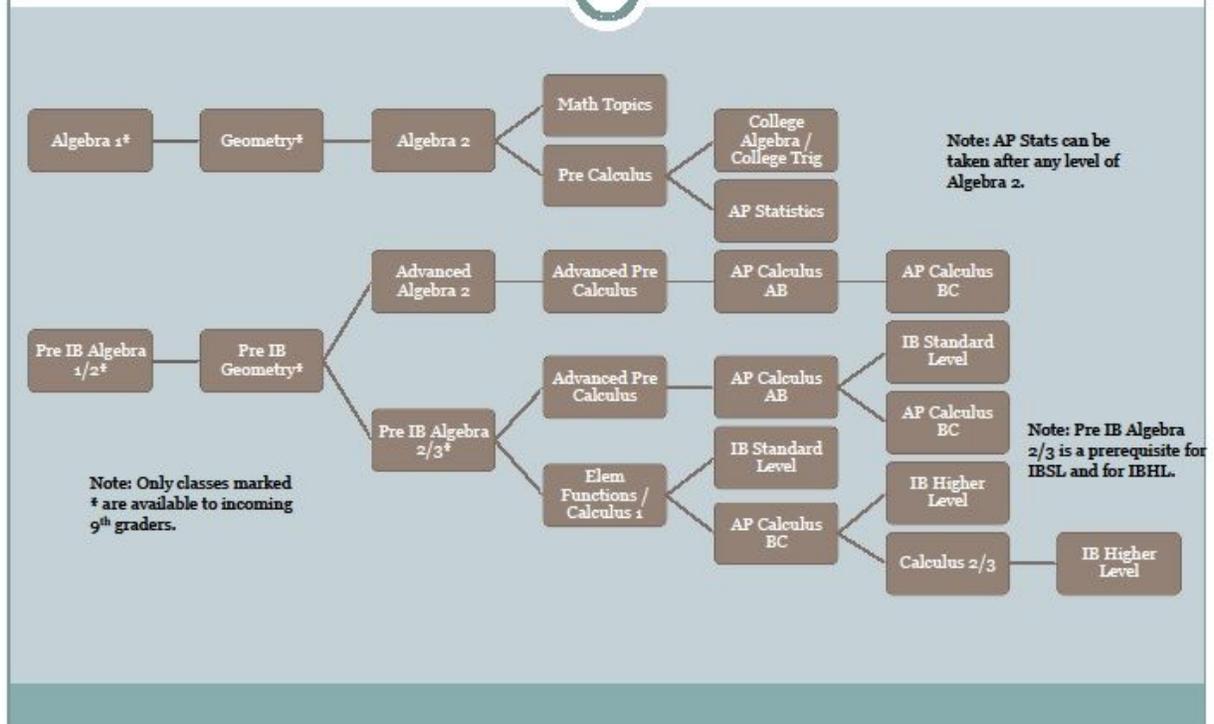
PIB Algebra 2/3 (9th) -> Elementary Functions/Calc 1(10th)-> AP Calculus AB (11th)-> IB Math Higher Level and Calc 2/3

PIB Geometry or PIB Alg 1/2 (9th) -> Pre-IB Algebra 2/3 (9th) -> Elementary Functions/Calc 1(11th)->IB Math SL (12th)

Considerations:

- PIB Algebra 2/3 is 3 semesters of high-level math taught in one year, and is a challenging course. If you do not meet the prerequisites for this course, we do not recommend you enroll.
- If you are considering the Advanced Placement (AP) pathway, rather than the IB pathway, we will recommend Advanced Algebra 2 for you. At Fairview (not Centaurus), all students who meet the prerequisites for PIB Algebra 2/3 will be enrolled in this course at the start of 9th grade. Within the first three weeks, there will be an opportunity to review this placement, and change to Advanced Algebra 2 or PIB Algebra 1/2. You and your family will make this decision in collaboration with the FHS math department.

Fairview High School Typical Mathematical Pathways



Overrides

You and/or your parents may disagree with your 9th grade math recommendation and may choose to override the decision (with a parent signature). Ms. Burrows will have the paperwork for you to complete. If you override, you will likely not be able to “drop down,” which is an important consideration. This means if you find yourself in a class that is too difficult for you, you will have to remain in the course, and possibly repeat the course the following year.