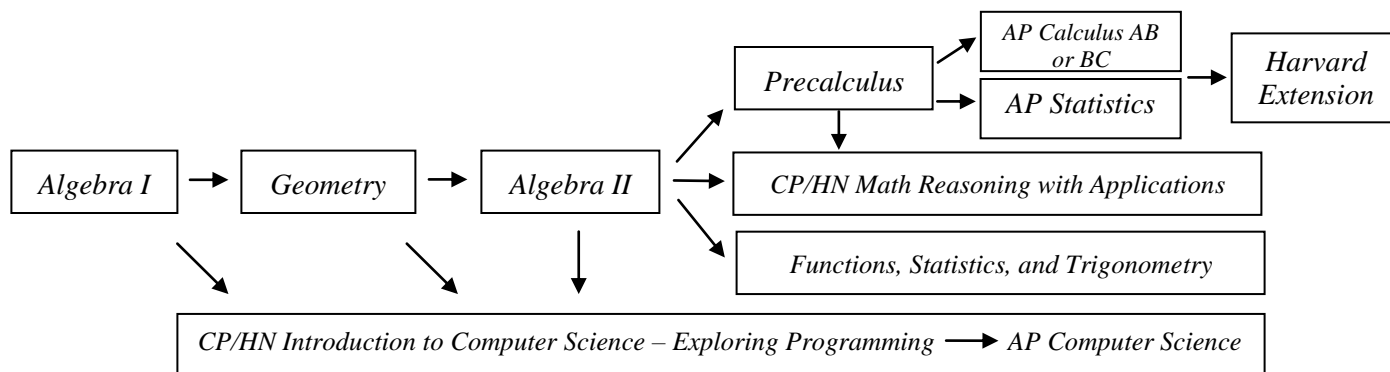


**Cambridge Public Schools**  
***High School Mathematics Course Selection Guidelines & Scheduling Options***

From Grade 9 to Grade 12, students are **required** to take at least one math class per year. Students are **required** to successfully complete Algebra I, Geometry, and Algebra II as a graduation requirement. The most common course sequences are shown below:



**NOTES:**

- All students must pass the Grade 10 Mathematics MCAS Exam to graduate with a high school diploma. Students who do not pass this exam will instead graduate with a certificate of completion.
- The sequences shown here are the most traditional sequence of math classes taken at CRLS. Students are able to move between the College Preparatory and Honors sequences if wanted. In addition, due to CRLS featuring a semester-based scheduling system, students are able to accelerate their learning by taking two semester-long classes (one per semester) per year.
- CP Algebra I, CP Geometry, AP Calculus AB and AP Calculus BC are all year-long (two semesters) classes.

**Grade 9 Math Course Selections**

When moving into Grade 9, students can enroll in either Algebra I or Geometry.

- Algebra I is the standard course following Grade 8 math. Students have a choice between full-year College Preparatory (CP) Algebra I and semester-long Honors Algebra I, depending on their readiness and ability.
- Students wanting to take Honors Geometry as their 1<sup>st</sup> math class at CRLS need to pass out of Algebra I. Please contact your student’s guidance counselor or Jeff Gaglione, Dean of Mathematics, at 617-349-6650 for more information.

### Course Scheduling at CRLS

Cambridge Rindge and Latin School offers courses using a **Block Schedule**. This means that *some* courses are offered in one semester. These are ½ year classes (either Sept. to Jan. *or* Jan. to June). Scheduling options are shown below.

#### **College Prep (CP) Courses**

**College Preparation** Algebra I and Geometry are each *year long* classes. CP classes after Geometry are *one semester* long.

9 <sup>th</sup> Grade		10 <sup>th</sup> Grade		11 <sup>th</sup> Grade		12 <sup>th</sup> Grade
College Prep Algebra I		College Prep Geometry		CP Algebra II	Any Subject Elective	<i>Required 4<sup>th</sup> year Math Class</i>

#### **Honors (HN) Courses**

Every **Honors** math class is *one semester* (½ year) long.

9 <sup>th</sup> Grade		10 <sup>th</sup> Grade		11 <sup>th</sup> Grade		12 <sup>th</sup> Grade
Honors Algebra I	Any Subject Elective	Honors Geometry	Any Subject Elective	Honors Algebra II	Any Subject Elective	<i>Required 4<sup>th</sup> year Math Class</i>

Alternatively, students can complete the first four required courses by the end of 10<sup>th</sup> grade, allowing them to enroll in AP Calculus AB or AP Calculus BC, which are *full-year* courses, in 11<sup>th</sup> grade.

9 <sup>th</sup> Grade		10 <sup>th</sup> Grade		11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
Honors Algebra I	Honors Geometry	Honors Algebra II	Honors Precalculus	AP Calculus AB or BC <i>(full-year course)</i>	<i>Required 4<sup>th</sup> year Math Class</i>

*NOTE: Students passing out of Algebra I in the 8<sup>th</sup> grade can move into Geometry as their first class at CRLS. In this case, since AP Calculus is a full-year course, students would have an elective in one semester of their 9<sup>th</sup> or 10<sup>th</sup> grade year.*

#### **9<sup>th</sup> & 10<sup>th</sup> Grade - Moving from College Preparatory to Honors (Math Move-Up)**

Students in College Prep Algebra I or College Prep Geometry who have demonstrated solid academic skills and mathematical understanding will have the opportunity, with teacher recommendation, to move into the Honors course at the start of the second semester. This will give students exposure to some of the content before starting the faster-paced Honors course in the 2<sup>nd</sup> semester.

#### **Algebra I Move Up**

9 <sup>th</sup> Grade		10 <sup>th</sup> Grade		11 <sup>th</sup> Grade		12 <sup>th</sup> Grade
Algebra I CP	Algebra I Honors	Geometry Honors	Algebra II Honors	Precalculus Honors	Any Subject Elective	<i>Required 4<sup>th</sup> year Math Class</i>

**OR**

#### **Geometry Move Up**

9 <sup>th</sup> Grade		10 <sup>th</sup> Grade		11 <sup>th</sup> Grade		12 <sup>th</sup> Grade
Algebra I College Prep		Geometry CP	Geometry Honors	Algebra II Honors	Any Subject Elective	<i>Required 4<sup>th</sup> year Math Class</i>