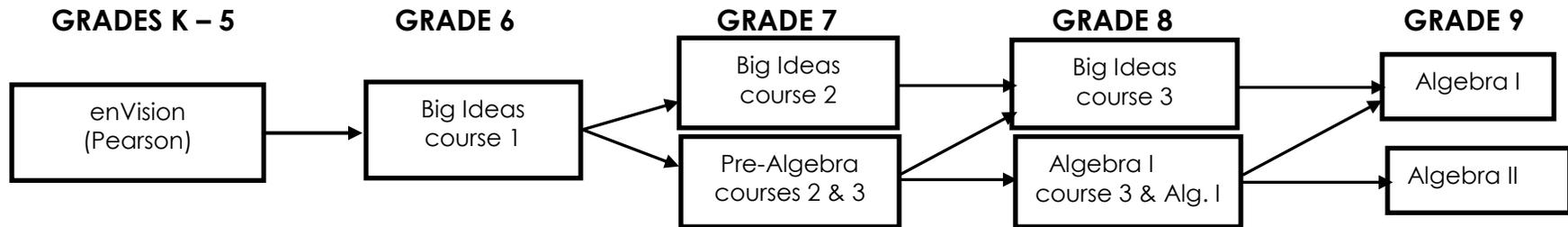


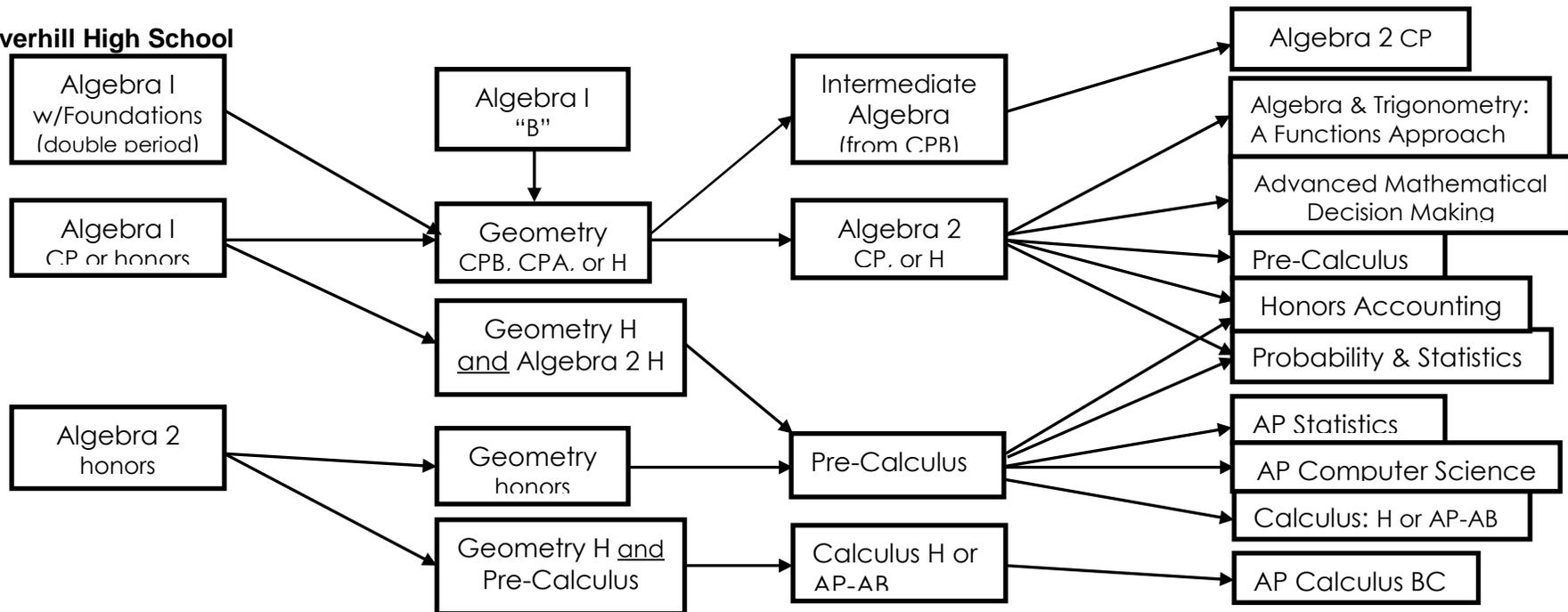
## HAVERHILL PUBLIC SCHOOLS - Mathematics Programs ... 2015 - 2016



While Big Ideas and enVisions provide a core curriculum, teachers are encouraged to enhance their instruction with other resources in order to meet the needs of all students and address the expectations of the Common Core content standards and the Standards of Mathematical Practice.

The accelerated track at the middle school level will continue to be carefully evaluated. The changes with the newly-adopted standards present a more rigorous mathematics curriculum. Many concepts are studied at an earlier grade level than in prior years, with expectations for deeper mathematical reasoning and grade 8 curriculum that incorporates Algebra I. Common district assessments, available test data (i.e. MCAS, MAP), and overall student performance will be used to determine the course sequence that is best for student learning. See below for criteria to qualify for an accelerated track in grades 7 and 8.

### Haverhill High School



Electives and Classes for Additional Support: \*MCAS Prep \*Math Assistant \*Intro to Programming \* Robotics

➤ All HHS students, regardless of their Academy, are eligible to take any of the math courses offered, provided they have met the prerequisites.

### **CRITERIA TO QUALIFY FOR AN ACCELERATED TRACK IN GRADE 7**

- Advanced MCAS scores (260-280)
- MAP test results in mathematics of 242 & higher
- 80% or higher on district common benchmark assessments
- Excellent grades in all classes (As and Bs)
- Positive teacher feedback regarding work habits, study skills, and overall math aptitude
- 80% or higher on end-of-year assessment

### **CRITERIA TO QUALIFY FOR ALGEBRA 1 IN GRADE 8**

- Advanced MCAS math score (260-280)
- MAP test results in mathematics of 250 or higher
- 80% or higher on district common benchmark assessments
- Excellent grades in all classes (As and Bs)
- Positive teacher feedback regarding work habits, study skills, and overall math aptitude
- Minimum score of 80% on end-of-course assessment
- 90% or higher on the Orleans-Hanna Algebra Readiness Assessment

After test results and accompanying criteria are reviewed, students will be placed in either Algebra I or Pre-Algebra class for Grade 8.

**Our goal is to place students in mathematics classes where achievement will improve, weaknesses will be addressed, and challenging learning opportunities will be offered. It is critical in a student's education to establish a strong mathematics foundation and an in-depth understanding of the rigorous standards that are expected for each grade level.**

**We are committed to providing all students with rich and challenging mathematics instruction.**