

# BOARD OF EDUCATION OF HARFORD COUNTY

## ACTION REPORT

### High Quality Instructional Materials: AP Precalculus

March 9, 2026

#### **Background Information**

A revised high school mathematics course sequence has been designed to meet the [MSDE Mathematics Policy](#), adopted in March 2025, particularly in the areas of the shift from the current Algebra 1 – Geometry – Algebra 2 sequence to Integrated Algebra 1 – Integrated Algebra 2, and the implementation of secondary mathematics pathways, which will begin in the 2027 – 2028 school year. which will begin in the 2027 – 2028 school year.

The [revised high school mathematics course sequence](#) shows the removal of Honors Trigonometry and Honors Precalculus and the addition of AP Precalculus. The Maryland State Department of Education is currently developing frameworks for Secondary Mathematics Pathways as part of the [Launch Years Task Force](#) and [MSDE Mathematics Policy](#). AP Precalculus meets the expectations of the Launch Years Task Force and MSDE Mathematics Policy within the Calculus Pathway for students.

The College Board introduced [AP Precalculus](#) in the Fall of 2023. It includes content that is covered within the current HCPS Honors Trigonometry and Honors Precalculus courses within 4 units of study that are covered in one year (one credit). AP Precalculus is designed as an access course for students to take as a prerequisite to AP Calculus or as a senior year course option for students. In their [AP Precalculus brochure](#), the College Board outlines the purpose of the course, which is to provide access to AP coursework for all students and the opportunity for college math credit for both STEM and non-STEM majors. Within their materials, the College Board identifies completion of Algebra 2 as the prerequisite. Introducing this course into the HCPS course sequence would also provide further opportunities for students to receive the MD / AP Scholar and HCPS AP Scholar Awards.

High Quality Instructional Materials (HQIM) are an expectation of Pillar 3 of the Blueprint for Maryland's Future and have resulted in [frameworks and rubrics for defining HQIM in mathematics](#). The [MSDE Mathematics Policy](#) states the “adoption and effective implementation of HQIM supports access to daily effective mathematics instruction for all students.”

The current HCPS Trigonometry and Precalculus course use materials that are not approved texts for AP Precalculus. The Office of Mathematics collaborated with MSDE's HQIM Division to establish a review process that incorporated the MSDE HQIM Rubric and Ed Reports recommendations. The detailed process is outlined in the [HCPS AP Precalculus HQIM Review Committee summary](#). The [data from the review committee](#) (page 2) was shared with Executive Counsel on November 4, 2025, which determined that Math Medic AP Precalculus was the best fit for the HCPS AP Precalculus course. The General Curriculum Committee approved the adoption, purchase, and implementation of the Math Medic AP Precalculus on November 19, 2025

#### **Requested Action**

The Mathematics Office requests approval by the Board of Education for the adoption, purchase, and implementation of Math Medic AP Precalculus for students enrolled in AP Precalculus beginning with the 2026 – 2027 school year.