

COURSE OVERVIEW

Accelerated 7th grade math compacts half of the 7th grade Maryland College and Career Readiness Standards and all of the 8th grade Maryland College and Career Readiness Standards into a one-year course. Students who successfully complete Accelerated 7 will take Algebra 1 in the eighth grade.

The seventh grade mathematics standards are about (1) developing understanding of and applying proportional relationships; (2) working with expressions and linear equations; (3) working with two- and three- dimensional shapes to solve problems involving area, surface area, and volume; and (4) drawing inferences about populations based on samples.

The eighth grade mathematics standards are about (1) formulating and reasoning about expressions and equations and solving linear equations and systems of linear equations; (2) grasping the concept of a function and using functions to describe quantitative relationships; (3) analyzing two- and three-dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem.

Standards for Mathematical Practice (SMP)

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.

EXPECTED OUTCOMES

Students are expected to perform at a proficient level on a variety of tasks and assessments addressing the Standards for Mathematical Practice and the Maryland College and Career Readiness Standards addressed in Accelerated 7.

RECOMMENDED GRADING ELEMENTS

Grading Element	Classroom Grading Policies
Product	Graded work assessing a student's mastery of mathematics such as: Tests, quizzes, project work that assesses a student's understanding
Process	Graded work that provides for practice and allows teachers to elicit evidence of student thinking: In class assignments, notes, warm-ups, participation, homework