

6th Grade Math Syllabus

Chester County Junior High School
Katie Maxwell

Course Description: The sixth grade math course is designed to reinforce basic math skills from earlier grade levels and introduce new math concepts that students will need in order to be successful in future math classes, such as algebra and geometry. Sixth grade math students work extensively with estimating, decimals, fractions, and mixed numbers as well as ratios, percentages, integers, algebraic concepts, geometric formulas, and statistics. Real-world problem solving and implementing various representations of mathematical concepts will be integral to this course. Discussing ideas, working with partners and groups, and sharing methods and solutions with the class will be expected of students. All learning objectives will be aligned with the revised Tennessee Math Standards for sixth grade and can be located on the TN Department of Education's website at <https://www.tn.gov/education/article/mathematics-standards>. The eight Standards for Mathematical practices describe important qualities students need to use to solve math problems. They are also listed on the website previously mentioned.

Textbook: Summit Learning Program uses Illustrative Mathematics as the base curriculum. It is supplemented with online resources.

Course Goals:

- Students will be prepared for Math Course 2 and Math Course 3 at CCJHS.
- Students will demonstrate mastery of the lesson objectives for each standard at 80% mastery.
- Students will be prepared for the TCAP/TN Ready end-of-year exam.

Assessments: Formative and summative assessments will be used throughout the year, including but not limited to warm-up activities, questioning, class discussion, group work, classwork, homework, single-skill and/or multi-skill quizzes, chapter tests, Exit Tickets, online practice and/or assessments, and district-wide benchmark testing.

Grading Policy: For Math Courses, in addition to developing Content Knowledge through Focus Areas, students complete Math Concept Units to fully develop an understanding of complex mathematical ideas. Math Units make up 70% of a math course's grade and consist of 2-5 lessons designed to help students understand the Math Concept. These lessons are designed to provide formative feedback for students and don't contribute to grades for the Math Units. At the end of the set of lessons, students will take the End-of-Unit Assessment. 14% of a student's math grade is Mastery of content in Focus Areas through Content Assessments; 10% is composed of Portfolio problems; and the remaining 6% consists of additional focus areas.

Course Schedule: Concept Units

Dividing Fractions (16 days), Arithmetic in Base Ten (15 days), Introducing Ratios (18 days), Expression and Equations (19 days), Rational Numbers (19 days), Area and Surface Areas (19 days), Unit Rates and Percentages (18 days), and Data Sets and Distributions (18 days)

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*The information in this syllabus is subject to change.