

6th Grade Math MCA Prep Course Outline

In MCA prep we will reinforce the concepts taught in the Big Ideas Curriculum. There will be an emphasis in Basic Facts, Basic Skill, and building a strong Number Sense.

Numerical Expressions and Factors:

Students will learn whole number operations, powers and exponents, Order of Operations, Prime Factorization, and Greatest Common Factor and Least Common Multiple.

Fractions and Decimals:

Students will learn how to compute Fractions and Decimals.

Algebraic Expressions and Properties:

Students will learn how to write and solve algebraic expressions. They will also review the properties of addition and multiplications, and the distributive property.

Areas of Polygons:

Students will work with areas of parallelograms, triangles, and trapezoids. They will also work with polygons in the coordinate plane.

Ratios and Rates

Students will work with Ratio and Rate using graphs and tables. They will also be digging deeper in the percents and solving percent problems.

Probability

Students will learn how to identify experimental and theoretical probabilities. They will be using probability to reinforce the knowledge fractions, decimals, and percents.

Algebra through Navigations.

Student will use real life situations to model algebraic expressions. They will model algebraic situations using tables, graphs, words, and equations. They will work with Slope and Y-intercept.

First Quarter:

Along with reinforcing the concepts we are talking about the 6th Grade Math class, we will go through the review of operations and basic skills from 5th grade. Basic facts, and skill practice is a focus of the start of the year..

Second and Third Quarter:

Students will spend the first half of the hour reinforcing the concepts taught in the day's lesson. The second half of the hour will focus on the MCA STRAND for the day to reinforce and review..

Fourth Quarter:

Focus will be on the specific content from the MCA practice tests that students are struggling to comprehend. Focus of this time will be preparing for the MCA's

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- Supplies:** Needed everyday, notebook, pencil, pen
- Class Participation:** Class participation is very important in this class. Most of your grade is on class participation.
- Homework:** There is no homework in this class all work is done in class.
- Attendance:** Attendance is very important, especially because most of your grade is participation. If a student is gone they can make up the participation points. It may be a worksheet that they need to complete.
- Grading:** Grades are determined mostly by participation. In MCA prep students spend time in Study Island, on Skill Review, and also on test of basic facts. The focus of the grade will be on growth over each quarter. This can be on an individual bases as long as the student is showing growth. As teachers we hope that students also show growth on their MAP scores and their MCA test scores.