

Grade 7 Math
Diamond Team

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Resources: This year each student will be given a textbook. The book is not only an important resource; it also contains activities and practice that will be done in class and sometimes as homework. The book needs to be brought to class each day. The textbook for 7th grade math also has an online component that can be accessed on both school and personal computers. (The whole text book is available online just in case you forget your book, you can look there to find your homework.)

**Unfortunately we do not have access to the online textbook for the advanced math class. Additional relevant resources will be uploaded to my school website and shared via the Microsoft Office teams apps.

Course Descriptions:

7th Grade Math Course Description

The seventh-grade math course covers all of the seventh-grade Common Core state standards to prepare students for eighth grade math. Instruction focuses on four critical areas.

1. Developing an understanding of operations with rational numbers and working with expressions and linear equations.
2. Developing an understanding of proportional relationships, and the types of problems they can be utilized to solve.
3. Solving problems involving scale drawings and informal geometric constructions. As well as working with two and three dimensional shapes to solve problems involving area, surface area, and volume.
4. Drawing inferences about populations based on samples.

These areas of focus are vertically aligned with the eighth-grade curriculum and will provide the foundation needed to expand on these topics and topics extending from them.

7th Grade Advanced Math Course Description

The seventh-grade advanced math course covers all of the seventh-grade Common Core state standards; as well as the eighth-grade priority standards. Instruction focuses on four critical areas.

1. Developing an understanding of operations with rational numbers and working with expressions and linear equations. As well as developing an understanding of powers and roots.

2. Developing an understanding of proportional relationships, and the types of problems they can utilize to solve.
3. Solving problems involving scale drawings and informal geometric constructions. Exploring the concept of congruence and similarity by utilizing transformations. Utilizing the Pythagorean Theorem to solve problems involving right triangles. As well as working with two and three dimensional shapes (including circles, cones, and cylinders) to solve problems involving area, surface area, and volume.
4. Drawing inferences about populations based on samples.

These areas of focus are vertically aligned with the Algebra 1 curriculum and will provide the foundation needed to expand on these topics and the topics extending from them.

Homework Policy: Homework will vary in format and be assigned most days. Homework will consist of necessary practice of material covered in class, or preparation for material that will be covered in the following class. Homework will not count towards the final grade but will be scored and returned with feedback. All scores will be recorded and available to view on PowerSchool. Any homework that is collected and scored below a 70% must be corrected for a student to be eligible for a retake.

Retake Policy: Retakes are allowed and encouraged for most assessments. A retake will be required for any grade below an 75%. In order to retake an assessment, the following requirements must be met...

- Student must have completed and corrected all required assignments prior to the original assessment.
- A retake request form must be filled out by the student and signed by a parent or guardian. (form includes the creation of a study plan for the retake)
- The student must complete corrections on the original assessment and have the corrections verified.
- Student must schedule a time to meet where they show evidence that they have completed the study plan that they created.
- Student must come prepared to retake the assessment on the agreed upon date.

Retakes are allowed up until the final week of the marking period, and all retakes are subject to teacher discretion.

Make-up work: Students are responsible for any work missed due to absences. Work that is not completed within one week of the absence will be marked as missing.

Contact information: My contact information is listed above. The best way to reach me with questions is email. I will do my best to respond promptly.