

**Mrs. Regal Coller's Math 8
2014-15**

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Note: Email is the most efficient way to contact me and will yield the speediest reply.

Course Content

The goal of the Pinckney Community Schools is to prepare all learners to be Career and College Ready. The curricula for all PCS math classes, including Math 8, are aligned with the Common Core State Standards for Mathematics.

Eighth-grade is a critical year in terms of making sure students have a solid foundation and are truly ready to navigate high school mathematics.

Students will be assessed using TenMarks.com to check for gaps in their math learning from previous grades. Each student will receive personalized "playlist" assignments to review and practice the necessary skills.

Standards for Mathematics Content

The Number System

- Know that there are numbers that are not rational, and approximate them by rational numbers.

Expressions and Equations

- Work with radicals and integer exponents.
- Understand the connections between proportional relationships, lines, and linear equations.

Functions

- Define, evaluate, and compare functions.
- Use functions to model relationships between quantities.

Geometry

- Understand congruence and similarity using physical models, transparencies, or geometry software.
- Understand and apply the Pythagorean Theorem.
- Solve real-world and mathematical problems involving volume of cylinders, cones, and spheres.

Statistics and Probability

- Investigate patterns of association in bivariate data.

