Mrs. Little

8th Grade Mathematics

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**COURSE OVERVIEW:**

What will we study?

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. Analyze and solve linear equations and pairs of simultaneous linear equations.

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

Statistics and Probability - Investigate patterns of association in bivariate data.

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.

**CLASSROOM EXPECTATIONS:**

1. Students are EXPECTED to be on time for class.

2. Students are EXPECTED to come to class with all materials daily.

3. Students are EXPECTED not to use profanity.

4. Students are EXPECTED to refrain from eating, drinking, and/or grooming in the

classroom.

5. Students are EXPECTED to respect themselves, all staff members, and each other

as well as the property of others.

6. Students are EXPECTED to use computer software, and reading, materials appropriately at all times.

7. Students are EXPECTED to abide by all classroom and RCBOE rules.

**CHEATING IS ABSOLUTELY UNACCEPTABLE AND WILL RESULT IN A ZERO AND PARENT CONFERENCE**

**GRADE WEIGHT:**

Minor Grades: Classwork, Homework, Quizzes, Warm-ups, iReady, Short Discussion, Entrance/Exit Tickets - 60%

Major Grades: Projects, Tests, Extended Discussion - 40%

**MATERIALS NEEDED (On 8th grade supply list):**

* Pencil
* Highlighters
* 2” Binder
* **2** Composition Notebooks – RED for Mathematics, GREEN for Social Studies
* Calculator
* Laptop

**Late/Missed Work:**

Students in grades 6-12 may have their scores reduced by 5% per school day for a 25% maximum reduction (five school days). Late work submitted after the fifth school day will only be accepted at the teacher’s discretion. Completing work in a timely manner during the learning unit is essential for academic success.

***Discipline/Consequences:***

1. Verbal Warning
2. Loss of Dojo points & Reflection
3. Parent Contact
4. Major Write-up & Parent Conference

\*Please acknowledge that you have received and understand the syllabus via ClassDojo by 8/23/2024.