Rogersville City School
7th Grade Math Class Syllabus

<u>Course Title:</u> 7th grade Math

<u>Course Description:</u> The curriculum for this course aligns with the Tennessee Department of Education Mathematics Standards
https://www.tn.gov/education/article/mathematics-standards

<u>Teacher:</u> Rebecca Stalnaker
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<u>Materials Needed for Class:</u>
- Notebook paper
- 3 Ring Binder
- Pencils
- Earbuds
- Optional: highlighters/markers/colored pencils/pens

<u>Assessment Types:</u>
- Classwork
- Quiz
- Test
- Homework-only when work is not finished in class. Sufficient time is usually given and I ask that no more than 30 minutes be spent working. However, students who have not mastered multiplication facts will be asked to practice those regularly.
- Project-completed mostly in class
- I-Ready assignments

Outline of Course

Week: 1st Nine Weeks	Week: 2nd Nine Weeks
Standards Covered: 7.NS.1, 7.NS.2, 7.NS.3, 7.EE.3, 7.RP.1, 7.RP.2, and 7.RP.3 Objectives: Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers. Topics Covered: · Order of Operations · Operation with Fractions · Adding and Subtracting Integers · Multiplying and Dividing Integers · Rational Numbers · Rates and Proportional Relationships · Proportions and Percents	Standards Covered: 7.EE.1, 7.EE.2, 7.EE.3, and 7.EE.4 Objectives: · Solve real-life and mathematical problems using numerical and algebraic expressions and equations. · Use properties of operations to generate equivalent expressions. · Analyze proportional relationships and use them to solve real-world and mathematical problems. Topics Covered: · Expressions and Equations · Inequalities

Week: 3rd Nine Weeks	Week: 4th Nine Weeks
Standards Covered: 7.G.1, 7.G.2, 7.G.3, 7.G.4, 7.G.5, 7.G.6, 7.SP.1, 7.SP.2, 7.SP.3, and 7.SP.4	Standards Covered: 7.SP.1, 7.SP.2, 7.SP.3, 7.SP.4, 7.SP.5, 7.SP.6, 7.SP.7, and 7.SP.8
Objectives:	Objectives:
· Solve real-life and mathematical problems involving angle measure, area, surface area, and volume.	· Use random sampling to draw inferences about a population.
· Draw, construct, and describe geometrical figures and describe the relationships between them.	· Draw informal comparative inferences about two populations.
· Use random sampling to draw inferences about a population.	· Investigate chance processes and develop, use, and evaluate probability models.
· Draw informal comparative inferences about two populations.	Topics Covered:
Topics Covered:	· Random Samples and Populations
	· Analyzing and Comparing Data
· Modeling Geometric Figures	· Experimental Probability
· Circumference, Area, Volume	· Theoretical Probability and Simulations
· Random Samples and Populations	
· Analyzing and Comparing Data	