

Smoky Mountain Elementary School

## 6th Grade Math 2019-2020 Syllabus

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### Part 1: Course Information

#### Instructor Information

**Instructor:** Brittany Dennis  
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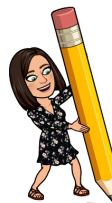


#### Course Description

In grade six, your child will learn the concept of rates and ratios and use these tools to solve word problems. Students will work on quickly and accurately dividing multi-digit whole numbers and adding, subtracting, multiplying, and dividing multi digit decimals. Students will extend their previous work with fractions and decimals to understand the concept of rational numbers. Students will also learn how to write and solve equations and apply these skills in solving multi-step word problems.

#### Textbook & Course Materials

- Go Math Middle School Grade 6
- ABC TNReady
- Composition Book for Notes



#### Course Requirements

- *Be respectful of others*
- *Come to class prepared (paper, pencil, and assignments)*

#### Course Structure

- In math class we are going to learn in a variety of ways. We start a lesson with a discussion of what is to be learned. Then we move onto some modeling/discussion with note taking. Students then will have some guided practice. After practice we will move onto our math where students might work independently, in a group, or a small group with teacher.

## **Online Resources**

Link to 6<sup>th</sup> grade standards

[https://www.tn.gov/content/dam/tn/education/standards/math/Standards\\_Support\\_grade\\_6\\_Mathematics.pdf](https://www.tn.gov/content/dam/tn/education/standards/math/Standards_Support_grade_6_Mathematics.pdf)

## Part 2: Student Learning Outcomes

### The Number System

- Apply and extend previous understandings of multiplication and division to divide fractions.
- Compute fluently with multi-digit numbers to find common factors and multiples.
- Apply and extend previous understandings of numbers to the system of rational numbers.

### Ratios and Proportionality

- Understand ratio concepts and use ratio reasoning to solve problems.

### Expressions and Equations

- Apply and Extend previous understandings of arithmetic to algebraic expressions.
- Reason about and solve one-variable equations and inequalities.
- Represent and analyze quantitative relationships between dependent and independent variables.

### Geometry

- Solve real-world and mathematical problems involving area, surf area, and volume.

### Statistics and Probability

- Develop understanding of statistical variability.
- Summarize and describe distributions.

You will meet the objectives listed above through a combination of the following activities in this course:

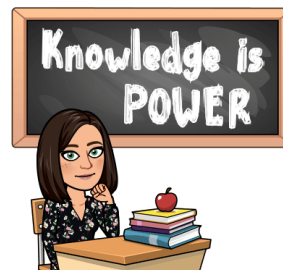
#### Explanation of Assignments:

- Assessments including quizzes over individual standards as well as unit tests.
- Classwork and homework are assignments that provide practice on individual skills.
- Math tasks require students to give in- depth explanations of their thinking as they engage in problem-solving.
- TNReady is the assessment given in the spring that tests the Tennessee Mathematics curriculum.

## Part 3: Topic Outline/Schedule

### 1<sup>st</sup> 9 Weeks Number Relations

- **Integers**
- **Coordinate Plane**
  1. Reflections
  2. Distance
- **Rational Numbers**
- **GCF & LCM (Distributive Property)**
- **Fractions**
- **Decimals**



### 2<sup>nd</sup> 9 Weeks Ratios

- **Ratios**
- **Unit Rates**
- **Proportions**
- **Percent**

### Expressions

- **Numerical Expression**
  1. Exponents
  2. Order of Operations
- **Algebraic Expressions**
  1. Writing
  2. Evaluating
  3. Equivalent

### 3<sup>rd</sup> 9 Week Equations and Inequalities

- **Writing Equations**
- **Solving Equations**
- **Graphing Table Equations**
- **Inequalities**

### Geometry

- Area
- Surface Area
- Volume

### Statistics

- Mean, median, mode, and range.
- Data Plots

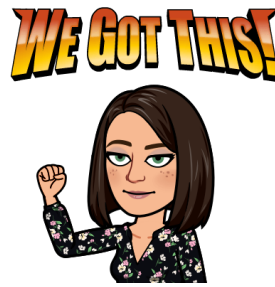
### 4<sup>th</sup> 9 Weeks

- Review
- TN Ready Test

## Part 4: Grading Policy

### Graded Course Distribution

Participation-----	20%
Class Assignments----	20%
Quizzes-----	20%
Test-----	20%
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Total-----	100%



### Late Work Policy

**Late assignments will be accepted, but will be reduced by half credit.**

Grades will be updated each week in the Aspen grade portal. Logins will be given to students and parents at the beginning of the school year.

### Letter Grade Assignment

- A---93-100
- B---85-92
- C---75-84
- D---70-74
- F--- 0-69

## Part 5: Course Policies

### Attend Class

Students are expected to attend all class sessions as listed on the course calendar.

### Participate

Be part of the class and participate in discussions and activities.

### Build Rapport

If you find that you have any trouble keeping up with assignments or other aspects of the course, make sure you let your instructor know as early as possible. As you will find, building rapport and effective relationships are key to becoming an effective professional. Make sure that you are proactive in informing your instructor when difficulties arise during the semester so that they can help you find a solution.

### Complete Assignments

Assignments must be submitted by the given deadline or special permission must be requested from the instructor *before the due date*. Extensions will not be given beyond the next assignment except under extreme circumstances.

All discussion assignments must be completed by the assignment due date and time. Late or missing discussion assignments will affect the student's grade.

### Academic Dishonesty Policy

This is an example only:

- 1. Academic dishonesty includes such things as cheating, inventing false information or citations, plagiarism and helping someone else commit an act of academic dishonesty. It usually involves an attempt by a student to show possession of a level of knowledge or skill that he/she does not possess.**
- 2. Teachers have the initial responsibility for detecting and dealing with academic dishonesty. Instructors who believe that an act of academic dishonesty has occurred are obligated to discuss the matter with the student(s) involved. Instructors should possess reasonable evidence of academic dishonesty. However,**

**if circumstances prevent consultation with student(s), instructors may take whatever action (subject to student appeal) they deem appropriate.**

- 3. Teachers who are convinced by the evidence that a student is guilty of academic dishonesty shall assign an appropriate academic penalty. If the teachers believe that the academic dishonesty reflects on the student's academic performance or the academic integrity in a course, the student's grade should be adversely affected. Suggested guidelines for appropriate actions are: an oral reprimand in cases where there is reasonable doubt that the student knew his/her action constituted academic dishonesty; a failing grade on the particular paper, project or examination where the act of dishonesty was unpremeditated, or where there were significant mitigating circumstances; a failing grade in the course where the dishonesty was premeditated or planned.**

## Student Testing Code of Ethics and Security

It is important for you as a student to know that the following guidelines are to be strictly followed. This year the TNReady test will count at least 10% of your final semester grade. Your work on this test is very important and it deserves your best effort.

I understand that during testing on the days of the assessment, I am responsible for:

- Not having any electronic devices on me or in my purse/backpack/pockets
  - Including but not limited to cell phones, smart phones, smart watches, etc. **during testing or during breaks.**
  - Best practice is for students to leave devices at home or in their lockers on the day of testing.
  - If I am caught with a device during testing or during breaks, my test may be nullified, resulting in a zero as at least 10% of my final semester grade, and any school level disciplinary action as deemed appropriate by the administration.
- Trying my best on the test
  - If I do not attempt to test (I give **no answers or randomly answer** questions) my test score may be nullified, resulting in a zero as at least 10% of my final semester grade, and any school level disciplinary action as deemed appropriate by the administration.
  - The testing administrators and proctors in the testing environment will determine if no answers or random answering is taking place.
  - I will focus and put forth effort on the test.
- Being honest and not cheating
  - If I am caught cheating (taking pictures of the test, writing down and passing answers, talking to other students, looking on other computers, using software outside the testing platform), my test may be nullified, resulting in a zero as at



least 10% of my final semester grade, and any school level disciplinary action as deemed appropriate by the administration.

**Important Note:** Any form of academic dishonesty, including cheating and plagiarism, may be reported to the office.

**Course policies are subject to change.** It is the student's responsibility to check for corrections or updates to the syllabus. Any changes will be posted in the classroom.