

Parrottsville Elementary School

6th Grade Math Syllabus

Part 1: Course Information

Instructor Information

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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

- I Ready Middle School Grade 6
- 3-ring binder with dividers

Course Requirements

- *Come to class every day with a positive attitude and willingness to LEARN!*

Course Structure

- In math class we are going to learn in a variety of ways. We start a lesson by watching the teacher model the procedures. We will then work as a whole class trying the steps together. Afterwards, we will move onto some modeling/discussion with note taking. Students then will have some guided practice. After practice we will move onto our math rotations, where students might work independently, in a group, or small group with the teacher.

Online Resources

- TN State Standards for Math:
https://www.tn.gov/content/dam/tn/education/standards/math/Standards_Support_grade_6_Mathematics.pdf
- Cocke County Schools Website: <http://www.cockecountyschools.org>
- Study Island: <https://www.studyisland.com>
 - Clever.com *Students can Access all of their resources from clever*

Field Trips

Field trips that will be taken are considered to be reward field trips. These field trips have to be earned by good behavior, no missing assignments, and minimal absences/tardies/leaving early.

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

1st 9 Weeks

- **Unit One-Expressions and Equations**
 1. Area
 2. Algebraic Expressions
 3. Exponents
- **Unit two-Decimals and Fractions**
 1. Base-Ten Operations
 2. Division with Fractions
 3. Volume

2nd 9 weeks

- **Unit 3 Ratio Reasoning**
 1. Ratio Concepts
 2. Equivalent Ratios
- **Unit 4 Ratio Reasoning**
 1. Unit Rates
 2. Percents

3rd 9 Weeks

- **Unit 5 Algebraic Thinking**
 1. Equivalent Expressions
 2. Equations with Variables
- **Unit 6 Positive and Negative Numbers**
 1. Absolute Value
 2. Inequalities
 3. Coordinate Plane
- **Unit 7 Statistical Thinking**
 1. Data Distributions

2. Measures of Center-(mean, median, mode)
3. Measures of Variability (quartiles, range, IQR)

4th 9 Weeks

- Review
- TN Ready Test

Part 4: Grading Policy

Graded Course Activities

Assignments for details about each assignment listed below.

Description
5-A-Days -Problems of the Day
Quizzes- Comp Checks
Tests
Interactive Notebook
Class Work
My Path

Late Work Policy

There is a hanging folder with each day of the week listed. All missing work will be located in these folders. Please check these as soon as you return back to school. If nothing is there, please check with your teacher.

Letter Grade Assignment

Grades will not be weighted in this class. All tests, quizzes, homework, classroom assignments and projects will be on a 100 point scale. Below is the complete grading scale.

A= 90-100

B= 80-89

C=70-79

D=60-69

F=0-59

Viewing Grades in ASPEN (optional)

Points you receive for graded activities will be posted to the ASPEN GradeBook in a timely manner. Click on the My Grades link on the left navigation to view your points.

Part 5: Course Policies

Attend Class

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

Participate

Students are expected to participate in classroom discussions, group projects, etc.

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. Use The Remind App if you are at home and have a question.

Academic Dishonesty Policy

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.

Course policies are subject to change. Any changes will be posted on the website.