

Welcome to 6th Grade

Accelerated Math

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**BYOT:**

Students WILL have the opportunity to bring technology and use it in the math classroom. Your teacher will give specific rules and procedures, but students are responsible for their device!

**Extra Credit**

Extra credit is used **sparingly** in math. You may have the opportunity to earn 5 bonus points on a test or homework assignment by solving a more challenging problem. However, extra credit **is not** used just to bring up low grades. **Grades** should reflect what **you know.**

**Materials**

* 3-ring binder
* 3-ring binder tabs
* notebook paper
* pencils
* highlighters OR colored pencils/crayons
* post-it notes
* headphones for computers
* Personal pencil sharpeners
* Interactive spiral notebook

**Your spiral notebook and 3-ring binder are important tools!** You must bring them with you **everyday**…Make sure to keep them organized and neat!

**What To Do… in your Math classroom!**

1**. Line up** by the wall outside the classroom door while waiting on present class to exit.

2. Upon entering, place your book, notebook, agenda, pencil, and any other necessary supplies for math class on your desk. Place your book-bag **under** your desk or **hanging** on the back of the desk chair.

3. Sharpen pencils and return to your desk to begin work on that day’s **agenda and bell ringer**.

4. **Class time** is devoted to **working on math**…use it wisely.

5. Your **behavior** should be such that it does not interfere with another student’s right to learn or the teacher’s right to teach.

6. **You** are responsible for getting the **work you miss** when absent and for turning it into your teacher in a timely manner (See agenda regarding make up work policy).

7. You are allowed to only drink **water** in the room. Other drinks are to be consumed elsewhere.

8. You are allowed 3 hall passes **per quarter** to be used to exit the classroom. Once they are gone, they are gone, so please use them wisely!

9. Remember to **sign up** for your Math Teacher’s **Remind 101**!!!

**Your Math Grade**:

**Tests 40%**

**Quizzes 40%**

**Classwork 20%**

**Course Content**

**The Number System –** Greatest Common Factors, Least Common Multiples, Distributive Property, Dividing Fractions by a Fraction, Fluency: long division of whole numbers, add, subtract, multiply, and divide decimals, Apply and extend previous understandings of numbers to the system of rational numbers,

**Equations & Expressions** – Writing, Reading, & Evaluating Numerical and Algebraic Expressions, Reason about and solve one variable Equations & Inequalities, Represent & Analyze Quantitative Relationships between Independent and Dependent Variables

**Geometry** – Solve Real World & Mathematical Problems involving Area, Surface Area, & Volume

**Statistics and Probability** – Develop Understanding of Statistical Variability, Summarize & Describe Distributions

**Ratios & Unit Rate-** Understand ratio concepts and use ratio reasoning to solve problems

**7th: Operations with Rational Numbers**: Opposites, Absolute Value, Adding, Subtracting, Multiplying, & Dividing Integers, Converting Rational Numbers, Applying and extending understanding of rational numbers,

**7th: Expressions & Equations**: Applying properties to Rational Numbers, add, subtract, factor, and expand expressions with rational coefficients, solving multi-step equations fluently, solve and graph inequality solutions

**7th: Ratios & Proportional Reasoning:** More in depth understanding of ratio concepts and use ratio reasoning to solve problems and relate those problems to equations, scale drawings

**Accelerated vs. Regular Math**

**We will study the same Georgia Standards of Excellence as all 6th Grade math students, plus the first three Units of 7th Grade Georgia Standards of Excellence. As we proceed through the units, we will move at an accelerated pace and/or have activities/tasks that are more in depth, rigorous, or challenging than compared to the regular math class.**

**Class Components**:

Bell ringer – Students are to come into classroom and begin working the assigned problem. The problem will review the previous day’s content or lead into the present day’s content.

Opening (Activating strategy/Notes/Examples) - Students are expected to take notes/examples as they are given. Participation (listening, taking notes, questioning) in learning activities is important.

Work session – class time given for working through an activity related to the standard/element.

Closing (Summarizing Activity) – answer essential/key question through journal entry, pair share, class share, etc. **Students** summarize what they’ve done in class that day.

Assignments -When class work or homework is assigned,students are responsible for having all work completed by the designated time (use time wisely!). All problems should be attempted with documentation to support your efforts.

Let’s have a great year!!