

### *Mission Statement*

Austin Road Middle School strives to develop a nurturing school community that encourages academic success for each student through a rigorous curriculum and extracurricular opportunities supported by dedicated teachers and staff. Each student will become a contributing citizen of our community and global environment.



### *Vision*

Austin Road Middle School will cultivate an environment for creativity, innovation and leadership where we exceed expectations every day.

## **AUSTIN ROAD MIDDLE SCHOOL**

### **7th Grade Math Course Syllabus 2017-2018**

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### **Course Description**

Welcome to the 2017-2018 school year! 7<sup>th</sup> Grade mathematics uses Georgia Standards of Excellence which focus on actively engaging students in the development of mathematical understanding by using manipulatives and a variety of representations, working independently and cooperatively to solve problems, estimating and computing efficiently, and conducting investigations and recording findings. In our mathematics classrooms, students will learn to think critically in a mathematical way with an understanding that there are many different ways to a solution. There is a strong emphasis on vocabulary building strategies this year.

### **GSE Mathematics Grade 7 Unit Descriptions:**

#### **Operations with Rational Numbers 1<sup>st</sup> 9 weeks**

Building upon the understanding of rational numbers developed in 6<sup>th</sup> grade, this unit moves to exploring and ultimately formalizing rules for operations (addition, subtraction, multiplication and division) with integers.

#### **Expressions and Equations 1<sup>st</sup> 9 weeks**

Students will build on what was learned in previous grades regarding mathematical properties such as commutative, associative, and distributive properties and conventions such as order of operations.

#### **Ratios and Proportional Relationships 2<sup>nd</sup> 9 weeks**

This unit builds on students' knowledge and understanding of rate and unit concepts, including the need to develop proportional relationships through the analysis of graphs, tables, equations, and diagrams.

#### **Geometry 3<sup>rd</sup> 9 weeks**

Students learn to draw geometric figures using rulers and protractors with an emphasis on triangles.

#### **Inferences 3<sup>rd</sup> 9 weeks**

Building on the knowledge of statistics from sixth grade, students use random samples to make predictions about an entire population and judge the possible discrepancies of the predictions.

#### **Probability 4<sup>th</sup> 9 weeks**

Students begin to understand the probability of chance (simple and compound).

### **Resources:**

- Triumph Learning
- [www.georgiastandards.org](http://www.georgiastandards.org)
- [www.gavirtualllearning.org](http://www.gavirtualllearning.org)

## **Rationale:**

*I believe we engage in mathematics not only for its application but also for its inherent beauty and interest. Together, we will become skilled mathematicians as well as confident problem solvers. As we study the mathematical content in this course, let's always ask questions like "Why?", "What if?", "Always?" After all, new ideas and inventions come from just such questions!*

## **Required Materials:**

- Composition notebook (interactive notebook)
- Pencils
- Scientific calculator
- Glue sticks for interactive notebook
- Colored Pencils
- Notebook Paper
- 1 " Binder

## **Grading Policy**

A = 100 – 90

B = 89 – 80

C = 79 – 74

D = 73 – 70

F = below 70

## **Category Weights**

- **Practice Work: Max 25**  
Labs/Classwork 15%  
Homework 5%  
Notebook 5%
- **Assessment: Max 60%**  
Tests/Projects 20%  
Quizzes 20%  
CSA (Common Summative Assessments) 20%
- **Final Exam: 15%**

Henry County Schools provides high school and middle school parents and students access to grades via the Internet. Using the Internet, parents and students are able to log on to Infinite Campus to view grades. Please contact the school counselors and/or secretary to obtain your password.

## **Homework Policy**

Homework is designed to enable students to assess their own knowledge of a given standard. Homework helps students learn! Students are expected to return to class with completed assignments and with questions about specific problems. We use homework as a tool to help us learn.

Students must spend time outside of class completing daily homework assignments, reviewing class notes, or other assignments and projects that may be assigned. Teachers use a variety of different on-line sites such as Edmodo, Khan Academy, and Thatquiz.org to name a few. Students are required to maintain an organized notebook in all classes. Students should communicate with their teacher as soon as possible if they are having trouble.

We are very excited about our new school year. Please communicate with your teacher if you have any questions or concerns.

**It is the student's responsibility to find out what they miss when they are absent!**

**Time Outside of Class:**

You cannot expect to accomplish what you should from this course without spending time with math outside of class. As well as completing daily homework assignments, you need to stay organized, spend time reviewing notes and assignments, carefully reflect on problems previously missed, etc. It is my expectation that you spend approximately 15 – 30 minutes each evening (Monday through Friday) with homework and use the weekend to study, work on projects, review, get caught up, organize, etc. Please communicate with me as soon as possible if you are having trouble managing your time or if you are spending significantly more than 15 – 30 minutes an evening working on math. I truly want to help you get the most out of this course as you can.

**Tutoring Availability:**

The Math Lab is open to all students to receive tutoring on Monday and Wednesday mornings 7:55-8:25.

**Remind 101:**

Please sign up using the following code:

<https://www.remind.com/join/mstwade>

**Google Classroom:**

Visit Google Classroom and click the “plus sign” at the top of the page to join the class. Please enter the following code: m6lwry.