**AUSTIN ROAD MIDDLE SCHOOL**

***ARMS Vision***

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

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

**7th Grade Accelerated Math Course Syllabus 2020-2021**

**Remind Code:**

**Angela Stafford, M.Ed. Email: angela.stafford@henry.k12.ga.us**

Welcome to the 2020-2021 school year! In this syllabus you will find information about the seventh grade accelerated math Georgia Standards of Excellence, supplies needed, my classroom and homework expectations for all scholars, and ARMS weighted grading scale. In this class, we will cover all of the 7th standards, and majority of 8th grade standards. This class will be fast paced. Expected homework nightly on and off of the computer.

**Austin Road Middle School Mission Statement**

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

**Course Description**

Seventh 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. In 7th grade accelerated math scholars will be taught 7th grade standards, while being introduced to 8th grade standards. The idea of accelerated math is not to double up on scholars work, but to deepen their understanding in each unit.

**GSE Mathematics Accelerated 7th Grade Progressions:**

**Unit 1 Operations with Rational Numbers**

**7th Grade**

Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers.

**8th Grade Unit (extend to explore numbers that are not rational)**

Know that there are numbers that are not rational, and approximate them by rational numbers.

**Unit 2 Expressions and Equations (extend to solve equations with variables that have exponents greater than 1)**

**7th Grade**

Use properties of operations to generate equivalent expressions.

Solve real-life and mathematical problems using numerical and algebraic expressions and equations

**8th Grade**

Work with radicals and integer exponents.

Analyze and solve linear equations.

Understand and apply the Pythagorean Theorem.

Solve real-world and mathematical problems involving volume of cylinders, cones, and spheres.

Work with radicals and integer exponents

**Unit 3 Ratio and Proportional Relationships**

**7th Grade**

Analyze proportional relationships and use them to solve real-world and mathematical problems.

Draw, construct, and describe geometrical figures and describe the relationships between them.

**8th Grade**

Define, evaluate, and compare functions.

 Understand the connections between proportional relationships, lines, and linear equations.

 Compare Functions

**Unit 4 Geometry**

**7th Grade**

Draw, construct, and describe geometrical figures and describe the relationships between them

Solve real-life and mathematical problems involving angle measure, area, surface area, and volume.

**8th Grade (extend to transformations of shapes, congruence & similarity)**

Understand congruence and similarity using physical models, transparencies, or geometry software**.**

**Unit 5 Inferences**

**7th Grade**

Use random sampling to draw inferences about a population.

 Draw informal comparative inferences about two populations

**8th Grade**

Use functions to model relationships between quantities.

 Investigate patterns of association in bivariate data.

 Investigate patterns of association in bivariate data.

**Unit 6 Statistics and Probability**

**7th Grade**

 Investigate chance processes and develop, use, and evaluate

**8th Grade**

Investigate patterns of association in bivariate data.

**Unit 7 System of Equations**

**8th Grade**

Analyze and solve linear equations and pairs of simultaneous probability models.

**Resources:**

* USA Test Prep
* Moby Max
* [www.georgiastandards.org](http://www.georgiastandards.org)
* Khanacademy.org
* Houghton Mifflin Harcourt Textbook
* Google Classroom

**Tutoring:** Fridays

**Rationale:**

Math is taught to teach scholars how to think and reason through problems. “Scholars will see the role of mathematics in their daily lives, their community practices, and their cultural backgrounds; and understand, analyze, critique, and take action regarding important social and political issues in our world, especially issues of injustice.” (NCTM, 2014)

**School Supplies:**

|  |  |
| --- | --- |
| * Pencils
* 5 packs of Loose Leaf Paper
* Blue and Black Pens
* 1- Pack of Crayons
* 1- Pack of Highlighters
* 1- Pack of Markers
* 3-Glue Sticks
* Protractor
 | * 1 pair of scissors
* 1 composition notebook
* 1 pack of 25 sheet protectors
* 1-3 prong folder
* 1 (1.5 inch binder)
* 1 Scientific Calculator (will not need until January)
* 1 ruler
* Math Compass
 |

**Grading System**

At the direction of the Henry County Board of Education in Policy IHA “Grading Systems”, ARMS will adhere to the established and implemented grading system which is used to report scholar progress toward mastery of academic standards.

**I. Academic Grades**

|  |  |  |
| --- | --- | --- |
| **Practice Work** | **Assessment Tasks** | **Semester Summative Assessment Tasks** |
| **Classwork** **Common Formative Assessments (Quizzes, etc.)** **Notebook/Organization Check** (minimum two per term)**40% of grade** | Summative Unit AssessmentsConstructed/Selected Response AssessmentsCulminating Performance Tasks/Projects**40% of grade** | Semester Summative Assessment/EOC**20% of grade** |

 The following grading format is required for use by all ARMS instructional staff members:

**II. Non-Academic Grades**

Scholars will be evaluated on non-academic factors as follows through the conduct grade: **S** – Satisfactory; **N** – Needs Improvement; **U** - Unsatisfactory

**Make-Up Work**

1. On the first day back from an absence, scholars are responsible for attaining and completing any missed assignment(s). The number of days allowed to complete make-up work will be equal to the number of days the scholar was absent. **Scholars will lose 10 points a day if work is not turned in by the designated date.** Failure to comply with this procedure will result in a grade of zero (0) being given for any graded assignment(s) that the teacher gave during the time of the scholar’s absence.
2. Scholars assigned out-of-school suspension (OSS) will be allowed to make-up work upon return to school. The number of days to complete the assignment(s) is commensurate to the number of days of OSS (i.e., 3 days of OSS = 3 days to make up missing assignments).

**Late Work Policy**

Assignments that are not submitted on time will receive an “M” (missing) within the Infinite Campus gradebook. All scholars will be given ample opportunities to submit their work through activities to include but not limited to amnesty day(s), working lunch, before/after school tutorial, etc. **Late work that is submitted will receive a ten (10) point deduction each day from the overall grade, and the teacher will then replace the “M” in Infinite Campus with the earned grade.**

**Homework Policy**

Homework is a review of previously learned information, video viewing, completion of online activities, or a probing problem for scholars to use critical thinking skills to solve. Each scholar is different in the amount of time it will take to complete homework assignments. Homework has a set due date that the scholar will be made aware of when homework is assigned. My expectation is that homework will be completed in its entirety by the date assigned.

**Technology Use**

Scholars are expected to bring their Chromebooks fully charged, daily. Assignments are not excused due to not having their laptop or it being uncharged. If they aren’t able to complete an assignment, due to no laptop or an uncharged laptop, the assignment will be considered late.

Scholars using Chromebooks for non-academic activities during the school day will be issued a Jag Bite.

If the behavior continues, the Chromebook will be taken for the day, a referral written and any work missed due to not having a Chromebook will be considered late.

**Cellphone Use**

All cellphones are to be turned off when scholars enter the building. Cell phones are to be placed in the lockers for the entire instructional day.

**Classroom Expectations**

* Come to class prepared everyday
* Be actively engaged in every lesson
* Even when it gets difficult, never give up
* Complete all assignments to the best of your ability
* Be open minded in your mathematical thinking
* Collaborate with classmates when necessary
* Be supportive and respectful to your classmates and teacher

**Consequences**

* Verbal Warning
* Parent Contact
* Counselor Contact
* Office Referral

**Extra credit**

**Extra Credit is given randomly throughout the year. Please take advantage of it. It is not given out by request.**

***Don’t forget to join REMIND!! Remember to join using YOUR CHILD’S NAME***

 Ex. Mrs Stafford (Kyla Stafford’s Mom)

# Remind Codes: Text code to the number 81010

|  |
| --- |
| Accelerated Math  |
| @arms1math |

***Parents, please click link and complete form to show you have received and read the syllabus.***

[***Math Syllabus Acknowledgement Form***](https://docs.google.com/forms/d/e/1FAIpQLSd6jdV4kbzqaTiwaNMl03_DkDC7d_hNevLUuSBRb7G6MnzQLg/viewform?usp=sf_link)

Thank you,

Angela Stafford, M.Ed.