**AUSTIN ROAD MIDDLE SCHOOL 7th Grade Math Course Syllabus 2019-2020**

**Vision Statement**

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

**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.*

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Welcome to the 2020-2021 school year! In this syllabus you will find information about the seventh grade math Georgia Standards of Excellence, supplies needed, my classroom and homework expectations for all scholars, and ARMS weighted grading scale.

**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.

**GSE Mathematics Grade 7 Unit Descriptions:**

**Unit 1 Operations with Rational Numbers (5 weeks)** Scholars will…

* Build upon the understanding of rational numbers developed in 6th grade.
* Formalize rules for operations (addition, subtraction, multiplication and division) with integers.

**Unit 2 Expressions and Equations (5 Weeks)** Scholars 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.
* Explore and understand that there are numbers that are not rational, called irrational numbers, and will approximate their value by using rational numbers.
* Demonstrated a clear understanding of rational numbers by using models, number lines, and expressions of estimates and approximations.
* Work with radicals and express very large and very small numbers using integer exponents.

**Unit 3 Ratios and Proportional Relationships (6 Weeks)** Scholars will…

* Build on knowledge and understanding of rate and unit concepts
* Develop proportional relationships through the analysis of graphs, tables, equations, and diagrams.

**Unit 4 Geometry (4 Weeks)** Scholars will…

* Draw geometric figures using rulers and protractors with an emphasis on triangles.
* Create transformations-translations, reflections, rotations and dilations on and off the coordinate plane
* Understand the notion of congruence and using physical models, transparencies, or geometry software.
* Learn to use informal arguments to establish proof of angle sum and exterior angle relationship related to parallel line s and two dimensional polygons.

**Unit 5 Inferences (5 Weeks)** Scholars will…

* Use random samples to make predictions about an entire population and judge the possible discrepancies of the predictions.

**Unit 6 Probability (6 Weeks)** Scholars will…

* Begin to understand the probability of chance (simple and compound).

**Resources:**

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

**Virtual Tutoring:**  Fridays during scholars class periods.

**Virtual School Supplies: Face to Face Supplies**

|  |  |
| --- | --- |
| * Pencils * Composition Notebook * 2 Pocket 3 Prong Folder * 1- Pack of Crayons/Color Pencils * 1- Pack of Highlighters | * 1 pair of scissors * 1 pencil pouch * 3 pack of glue sticks * 1 pack of 25 sheet protectors * 1- 1 ½ binder * 1 Scientific Calculator (will not need until January) * 1 ruler |

**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 Assessments  Constructed/Selected Response Assessments  Culminating 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 commensurate with the number of days in which the scholar was absent. 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 from the overall grade, and the teacher will then replace the “M” in Infinite Campus with the earned grade.** ***Any assignment not submitted by the end of the term, in which it was assigned, will remain as a permanent grade of zero (0%) within the Infinite Campus gradebook for the remainder of the semester.***

**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.

**Virtual and Face to Face 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
* Referred to counselor
* Referred to administration

**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

**Extra credit**

|  |  |
| --- | --- |
| **2nd Period** | **5th Period** |
| **@arms2math** | **@arms5math** |

[***7th Grade Acknowledgement Form***](https://docs.google.com/forms/d/1h1rZ5EdtD6hN9GVEMUlMFQmemCJ1P7EuAf_lyYA8uHM/edit?usp=sharing)