

6th Grade Mathematics Course Syllabus
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COURSE DESCRIPTION

The Common Core State Standards (Georgia Standards of Excellence) provide a consistent, clear understanding of what students are expected to learn, so teachers and parents know what they need to do to help them. The standards are designed to be rigorous and relevant to the real world, reflecting the knowledge and skills that students need for success in college and careers. With our students fully prepared for the future, our communities will be positioned to compete successfully in the global economy. You may visit **Georgia Department of Education** [CCGPS website \(www.doe.k12.ga.us\)](http://www.doe.k12.ga.us) or the Henry County School System website (<http://www.henry.k12.ga.us/>) to further explore the state standards.

GOALS:

- Make sense of problems and persevere in solving them.
- Reason abstractly and quantitatively.
- Construct viable arguments and critique the reasoning of others.
- Model with mathematics.
- Use appropriate tools strategically.
- Attend to precision.
- Look for and make use of structure.
- Look for and express regularity in repeated reasoning.

SEMESTER 1

Unit 1: Number System Fluency

Extending students' experience with whole number computation in elementary grades, division of fractions by fractions and all four operations on decimals are a focus in the first unit. Tasks utilize hands-on activities as a means to building understanding, rather than rote memorization of algorithms. Students also find common factors and multiples and deepen and extend their understanding of the distributive property to work with fractions.

Unit 2: Rate, Ratio and Proportional Reasoning Using Equivalent Frctions

Students work extensively with ratios and rational thinking through tasks and activities that generate deep understanding. The unit explores unit rate and comparative "size", while focusing on real-world problems.

Unit 3: Expressions

Students begin a more formal study of algebra as they move from arithmetic experiences to algebraic representations. Students learn to translate verbal phrases and numeric situations into algebraic expressions, understand like-terms, and work with exponential notation.

Unit 4: One -Step Equations and Inequalities

Extending the study of algebra, students reason about and solve one-step equations and inequalities. Often two quantities are not balanced or equal, and this unit introduces them to inequalities and how numbers compare, including work with number lines.

SEMESTER 2

Unit 5: Area and Volume

Students extend their work with area and volume from simple figures in elementary school to more complex figures, including those with sides of fractional lengths. Complex figures will be composed and decomposed into familiar triangles and rectangles in order to compute

their areas. Nets of solid figures allow students to calculate the surface area of three-dimensional figures.

Unit 6: Statistics

Students are introduced to the study of statistics, first by learning what constitutes a statistical question, then by collecting data through such questions and data sorting and analyzing. Statistical measures allow for the description of data through single-number summaries of center and distribution, and students explore and become familiar with what data "looks like" and find meaning in their samples.

Unit 7: Rational Exploration: Numbers and their Opposites

Unit 8: Show What We Know

HOMEWORK POLICY

Students are expected to do ALL homework and return to class the following day with the completed assignment(s), along with any questions about specific problems. Homework is designed to enable students to assess their knowledge of a given topic. Additionally, it is used as a tool to help students review, reinforce, and/or extend what has been taught in class. Homework is discussed and checked for completion and accuracy.

GRADING POLICY

The grading policy is consistent throughout Eagles Landing Middle School and was established according to the guidelines set forth in the county handbook. The grading policy is as follows:

Practice/Classwork 40% Assessments 40% Semester Exam/EOG 20%

INFINITE CAMPUS/GRADES ONLINE

The Henry County School System provides parents and students access to grades via the Internet through Infinite Campus. Parents can access their code and Infinite Campus by going to the Self-Help Access link on the School's website. Students and Parents can get their access code by accessing Infinite Campus through the school's website.

ON-LINE TEXTBOOK

Henry County has created Flexbooks that can be accessed from www.ck12.com . Search for "Henry County" and you will see all available flexbooks for each grade level. You can also access the flexbook from my website. HMH Online Textbooks will also be available soon

MATERIALS/SUPPLIES

Loose Leaf Paper
3-ring 1½ binder with 6-dividers
#2 Pencils or Mechanical pencils with extra lead
Colored pencils
Highlighter
Post-it
Extra Erasers
Calculator

The teacher reserves the right to add, delete, or revise this syllabus to better meet the needs of all students taking this course.

CLASSROOM EXPECTATIONS

NOTEBOOK ORGANIZATION (Properly label ALL assignments, NAME, DATE, CLASS, & ASSIGNMENT TOPIC)

CLASSROOM EXPECTATIONS

You are responsible for your actions. The county, school, and classroom rules have been established so that you may receive the best possible instruction without unnecessary interruptions. You are expected to behave in a manner that reflects dignity and self-respect. Students are expected to come to class prepared. Conduct grades are determined by how well the student follows the school and classroom rules during the class period. Students are expected to display proper school behavior at all times. In the classroom, students are expected to treat all others with respect.

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, students should stay organized, spend time reviewing notes and assignments, carefully reflect on problems previously missed, etc. It is the teacher's expectation that you spend approximately 15 to 20 minutes each evening with homework and use the weekend to study, work on projects, review, get caught up etc. Your notebook is your lifeline, therefore, please keep it organized. Please communicate with me as soon as possible if you are having trouble managing your time, staying organized, or understanding a concept.

EXCUSED ABSENCE

Students with an excused absence will be given the number of days absent to make up assignments before the late policy is applied. For an unexcused absence, the late policy will be applied immediately.

SUBSTITUTES

Students are expected to behave as if the regular teacher is in the room. All work (usually review) for the day will be collected at the end of class. Assignments are NOT to be taken out of the room for any reason, unless a student is removed for inappropriate behavior. If a student is called to check out, he or she must leave the assignment(s) with the substitute. Appropriate behavior ☺ and inappropriate behavior ☹ will result in consequences upon my return.

HELPFUL WEBSITES

www.homeworkspot.com
www.educationworld.com
www.aplusmath.com
www.math.com
www.yahooligans.com

www.coolmath4kids.com
www.webmath.com
www.kidzone.ws/math/
www.actionmath.com
www.google.com

www.aaamath.com
www.superkids.com
www.funbrain.com
www.askjeeves.com

Eagles Landing Middle School 2019 - 2020
Parent/Student Acknowledgement of Mathematics Syllabus

We hereby acknowledge that we have read the syllabus, as well as, the teacher and classroom expectations. Please detach and return to Mr. Polley. Please keep the syllabus on record so that you can refer to it if the need arises.

Parent Name (Please Print)

Parent Contact Number _____

Parent Email _____

Parent Signature

Date

Student Signature

Date