

Luella Middle School  
8<sup>th</sup> Grade Mathematics Syllabus

Support Sites:

LMS Website: <http://schoolwires.henry.k12.ga.us/site/Default.aspx?PageID=4238>

Angel: <http://angel.henry.k12.ga.us/default.asp>

That Quiz: <http://www.thatquiz.org/>

**Course Description:**

The overall goal of the 8<sup>th</sup> Grade math curriculum is to help students develop sound mathematical habits. Units have been developed to cover each domain of the Common Core Georgia Performance Standards. It is desirable for students to keep the "big picture" in mind as we deal with specific goals for each unit. Some of the specific goals are listed below.

- Students will develop sound mathematical knowledge, understanding, and skill.
- Students will define and solve problems with reason, insight, inventiveness, and technical proficiency.
- Students will build on and make connections among mathematical ideas and concepts.
- Students will see the connections between mathematics and other disciplines.

**Units of Study:**

First Semester	Unit 1: Transformations, Congruence and Similarity
	Unit 2: Exponents
	Unit 3: Geometric Applications of Exponents
Second Semester	Unit 4: Functions
	Unit 5: Linear Functions
	Unit 6: Linear Models and Tables
	Unit 7: Solving Systems of Equations

**Grading Policy:**

As defined by Henry County Board of Education, final grades for each semester are cumulative. Student grades for this course are based upon mastery of the standards. The grade book will be grouped according to domains. There are five domains in 8<sup>th</sup> grade: The Number System, Expressions and Equations, Functions, Geometry, and Statistics and Probability. You will be able to see strengths and weaknesses clearly with this format. The semester average will be calculated using the following weights:

85% of the grade will be based upon assessment tasks of the CCGPS

15% of the grade will be based on the results of a Cumulative Semester Exam

Modifications will be made according to IEPs.

**Standards:**

Curriculum is based upon the *Common Core Georgia Performance Standards*. Eighth graders have five domains: The Number System, Expressions and Equations, Functions, Geometry, and Statistics and Probability. For a complete list of the standards, please visit <https://georgiastandards.org/>.

**Materials:** Here are the items you are expected to bring to class every day.

- 3-ring 1 $\frac{1}{2}$  inch binder
- Loose leaf paper
- Loose leaf graph paper
- 70 page spiral notebook
- Pencil pouch with the following:
  - Closed hand held pencil sharpener
  - Pencils (minimum of 2 available at all times)
  - Small ruler
  - Dry erase markers (1 in pouch at all times)
  - Highlighters
  - Scientific calculator (optional)

**Time Outside of Class:**

Mathematics is learned by practice; therefore, you cannot expect to be successful without spending time with mathematics outside of class. As well as completing daily practice assignments, you need to stay organized, spend time reviewing notes and assignments, carefully reflect on problems previously missed, etc. Please communicate with me as soon as possible if you are having trouble grasping a concept or managing your time. Tutoring sessions will be offered on an as needed basis by appointment.

**Parents: To Stay Informed**

- **Infinite Campus:** Grades are updated regularly please obtain your login to access your student's grades.
- **Angel:** Allows students access to online remediation activities and learning opportunities to support classroom instruction.
- **Email:** The 8<sup>th</sup> grade will send out parent updates; please make sure that you are included on the distribution list.
- **Teacher Webpage:** A site that provides you with math resources.

Student Signature: \_\_\_\_\_

Parent Signature: \_\_\_\_\_