

Autrey Mill Middle School



Course Syllabus for: Math 8

Teacher Names	Email Address	Scheduled Help Sessions for Math 8
Shaby Bedi-Rehal	bedi@fultonschools.org	Wednesday at 8:00AM in E-121 Friday at 8:00AM in E-873
Susan Borton	bortons@fultonschools.org	
Judy Chang	Changj1@fultonschools.org	

Method for Grading

Major Assignments (Unit Assessments)	50%
Minor Assignments (Quizzes, Formatives)	40%
Practice (classwork, homework, study guides, ready)	10%

Math Workbook – Glencoe Georgia Math Volumes 1 & 2

All students will have access to these workbooks online. Students may access the workbook through the McGraw Hill app through Classlink on their device.

Recovery on Major Assessments

- Recovery opportunities are available if students score **BELOW** a 75% on a MAJOR (recovery not available on minors)
- Given within 2 weeks from original major (reteach before recovery)
- Take the higher of the two grades (original or recovered)
- The highest recovery grade that can be earned is a 75%

Late Work

Students are expected to submit all their work on time. Points will be deducted from the assignment grade. The maximum number of points that can be deducted for late work is 25 points.

- 10 points off for 1 day late
- 20 points off for 2 days late
- 25 points off for 3 or more days late

Course Description

The 6-8 standards are organized using domains, overarching ideas that connect topics across the grades, clusters that illustrate progression of increasing complexity from grade to grade, and standards which define what students should know and be able to do at each grade level. These standards include skills and knowledge – what students need to know and be able to do, as well as mathematical practices – habits of mind that students should develop to foster mathematical understanding and expertise.

The 6-8 standards are organized in the following domains: ratios and proportional relationships, the number system, expressions and equations, functions, geometry, and statistics and probability.

In Grade 8, instructional time should focus on three critical areas:

(1) Formulating and reasoning about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations.

(2) Grasping the concept of a function and using functions to describe quantitative relationships.

(3) Analyzing two- and three-dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem.

Course Outline

Unit 1: Transformations, Congruence and Similarity

Unit 2: Exponents and Equations

Unit 3: Geometric Applications of Exponents

Unit 4: Functions and Linear Functions

Unit 5: Linear Models and Tables

Unit 6: Solving Systems of Equations

Unit 7: GMAS Review and Show What You Know

The current course curriculum map is at: <https://www.fultonschools.org/mathematics>
(Middle School Math Resources)

All units include the Standards for Mathematical Practices:

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

See the Georgia Performance Standards for math at:

<https://www.georgiastandards.org/Georgia-Standards/Pages/Math-6-8.aspx>