#### 8th Grade Math

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#### Textbook: *Holt Mathematics Course 3 Georgia.* Holt, Rhinehart, and Winston, 2007. (Replacement $70)

#### Course Objective:

To help students improve critical thinking skills and master the concepts and skills of the Georgia Performance Standards..

#### Instructional Objectives:

By the end of grade eight, successful students will

* understand various numerical representations, including square roots, exponents and scientific notation;
* use and apply geometric properties of plane figures, including congruence and the Pythagorean theorem;
* use symbolic algebra to represent situations and solve problems, especially those that involve linear relationships;
* solve linear equations, systems of linear equations and inequalities;
* use equations, tables and graphs to analyze and interpret linear functions; use and understand set theory and simple counting techniques;
* determine the theoretical probability of simple events;
* make inferences from statistical data, particularly data that can be modeled by linear functions.

#### Grading Policy:

Each student's academic grade will be determined using the following criteria.

**Unit Tests & Projects 35% of grade**

**Finals 15% of grade**

**Assignments /HW quizzes 50% of grade**

**Progress Reports:**

Math progress reports are available continuously on Infinite Campus (go to the White County Middle School website for the link). Hard copies will be sent home upon request. Any time a student’s average drops below 80, a written math progress report will be sent home and the student will be required to have the math progress report signed and returned.

**Materials:**

Each of the following should be brought to class every day: Math Materials; Student Handbook/Agenda ; Supplies (e.g., notebook, at least 2 pencils, paper, etc.) NO INK!

#### Attendance: PLEASE BE AT SCHOOL EVERYDAY!

**Tardies:** A student is considered tardy if he/she is not in his/her seat, with all supplies (including sharpened pencils) when the tardy bell rings. **Absences:** If a student is absent he or she shall check the listing of assignments, tests, and quizzes found in the class assignment notebook . The responsibility for making up missing work lies solely with the student.

**Homework:**

Practice is essential in mastering mathematics concepts. Homework is often class work the student did not finish during class. Homework will be graded for completeness and randomly graded for accuracy, Homework problems will be discussed the day the homework is due; students will be given the opportunity to ask questions and to correct their homework.

#### Course Overview:

**1st Semester**

*Review (*approximately 1 week)

Review will include fractions, signed integers, multi-step equations.

*Functions – (10 Days)*

*Linear Functions – (14 Days)*

*Linear Models and Tables – (26 Days)*

*Solving Systems of Equations- (25 Days)*

**2nd Semester**

*Transformations, Congruence and Similarity-(19 Days)*

*Exponents-(13 Days)*

*Geometric Applications of Exponents- (18 Days)*

*Show What We Know*

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**Please Sign and Return this section.**

Student Name (print): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_

I have read and understand the class syllabus/procedures for 8th Grade Math.

Student Signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_\_

I have read and understand the class syllabus/procedures for 8th Grade Math.

Parent Signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_