

# Eagle's Landing Middle School

## 8<sup>th</sup> Grade Math Syllabus

Instructors: Ms. James, Ms. Newman,  
Mr. Proveaux, Ms. Stocks

**Text: INTO MATH by The Learning Company; Publisher: Houghton Mifflin Harcourt**

**Description:** Eighth Grade 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.

**Goals:**

- Know that there are numbers that are not rational, and approximate them by rational numbers.
- Work with radicals and integer exponents.
- Understand the connections between proportional relationships, lines, and linear equations.
- Analyze and solve linear equations and pairs of simultaneous linear equations.
- Define, evaluate, and compare functions.
- Use functions to model relationships between quantities.
- Understand congruence and similarity using physical models, transparencies, or geometry software.
- Understand and apply the Pythagorean Theorem.
- Solve real-world and mathematical problems involving volume of cylinders, cones, and spheres.
- Investigate patterns of association in bivariate data.

**Requirements:**

Students are required to come class prepared and on time everyday. Students that misbehave during instructional time receive the following:

- Verbal warning
- Loss of Math privileges ( student may observe performance task instead of participating)
- Phone call /email to parent
- Serious violations will result in a student being written up and sent to the Assistant Principal, these violations could result in parental conferences or even suspension.

**Classwork / Homework:**

Students will be assessed on each standard; which may be found at [www.georgiastandards.org](http://www.georgiastandards.org) **Homework will not be graded.** However, homework is a vital tool for greater understanding and practice. Students will be given multiple opportunities to show mastery of the various standards covered throughout the year. There will be weekly quizzes and unit tests at the end of each unit. Grades are cumulative meaning grades are YEAR long. Traditionally, the semester would mark the end of grading for the semester, and grades would start over in the second semester; this is no longer true. Grades are year-long meaning grades are accumulated from August to May - the entire school year. Grades will continue to be posted in 9 week intervals marking the four terms. Please check Infinite Campus regularly. Teachers post grades at least every two weeks.

**Make- Up Work:**

Make- up work will be in a designated area in my classroom. Each grade level will have a bin that has the make up work from the past and current week. Anything beyond two weeks will be thrown out. I will not be responsible for keeping track of work from previous units that took place months ago.

**Extra Support:**

If your child is struggling in math, please contact me and we can arrange some allotted times after school where I can tutor and help your student with their deficiencies. I usually stay late on Tuesday's.

**Materials: We use a variety of resources including:**

- HMH Houghton Mifflin Harcourt
- OdysseyWare
- Delta Math
- Nearpod
- Google Classroom
- Georgia Frameworks

**Grading Scale:**

TEAM GRADING SCALE	
A	100 - 90
B	89-80
C	79-74
D	73-70
F	Below 70

## Grading Categories

CATEGORY	PERCENTAGE	SUGGESTED FREQUENCY
<p><b><u>Practice Work</u></b>            Class Work, Homework, Formative Assessments, Diagnostic Assessments, Written Assessments, Written Reflections.  <b>Note: All items may be graded for accuracy or completion</b></p>	<p><b>40% of the grade</b></p>	<p>As needed</p>
<p><b><u>Assessment Task</u></b>            Constructed Response Assessments, Selected Response Assessments, Reflective Assessments, Summative Unit Assessments, Culminating Performance Task, Class Projects</p>	<p><b>40% of the grade</b></p>	<p>Once a week</p>
<p><b><u>Semester Summative Assessment Task</u></b>            Semester Final, GMAS End of Course (EOC) High School Courses  <b>Note: Assess the totality of standards for the course and will be administered at the completion of the full course.</b></p>	<p><b>20% of the grade</b></p>	<p>Final exam in December and May</p>

**Note: Any assignment that is not completed or turned in for a grade, will result in the grade being entered as a zero (0).**

Remember I'm here to make sure that your child has a successful year. If you have any questions or concerns about the requirements, policies, or how your student is doing in class please contact me at any time. This page is proof that you have read and understand the goals and procedures of the 8<sup>th</sup> grade math class. Please sign below and return this portion only.

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Student Name

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

\_\_\_\_\_  
Date

\_\_\_\_\_  
Parent/Guardian Name

\_\_\_\_\_  
Parent/Guardian Signature

\_\_\_\_\_  
Parent/Guardian Daytime Phone #

\_\_\_\_\_  
Parent/Guardian e- mail address