8th Grade Mathematics Syllabus 2018-2019



**Resources:**

8th Grade Workbook, NLAE website, IXL Learning, class handouts and notes.

Organization will be extremely important for this class since content will be coming from a variety of sources.

**Grading Policy for Each Semester:**

**25%** -Projects

**35%-**Classwork/Problem of the Week

**20%-**Quizzes/Tests

**10%-**Final Exam (written and graded by Gwinnett County)

**5%-**Homework/IXL Learning

**5%-**Interims (written and graded by Gwinnett County)

* Parent Portal will be updated weekly for parent/guardian convenience.
* Students are encouraged to check their grades regularly and ask any questions that they might have about their grades. **DO NOT wait until the end of the semester to do this!**

**Portal Grades:**

If you see…

**ABS**= Student was absent during this assignment and it needs to be made up.

**NTI**=Student was present during this assignment and did not turn it in when it was due.

**EXC**= Student did not complete the assignment. it is excused. The student does not need to make it up.

**A number**=The number of points a student received out of the assignment.

Contact information

**Teacher**: Ms. Arredondo (Ms.A)

**Email:** marredondo@newlifeacademyga.com

**Office Hours**: Mondays from 3:30-4:15pm

My “office hours” are available for students to: re-teach, make-up tests/quizzes, receive extra help or practice. **Students must make an appointment by emailing me**.

**Absences/Tardy Policy:**

If a student misses a test or quiz, they must make it up the first day that they return to school. According to the handbook, students with unexcused absences will be given a zero on any classwork they have missed. Homework can still be turned in for credit. In the event that a student has an excused absence and has brought a written excuse, they can meet with me during office hours to catch up on classwork.

Students have 5 minutes to change in between each class. Once class has begun, teachers will lock their doors and students will be considered tardy. Students will be allowed in the classroom after their tardy has been marked. It is the student’s responsibility to make it to class on time – and they can’t learn if they’re not in class!

**Retake Policy:**

According to NLAE policy, you may request to retest if ALL of the following are true:

1. You have attended tutoring for a re-teach of the material or prepared for the retest in another teacher-approved way (test corrections, other assignments).

2. You have demonstrated effort to learn the material in class.

3. The original graded test with a parent signature and student corrections (if requested) are stapled.

Please note: you may retake each test only one time, and it must be within 3 weeks after the original test has been given. You may not retake district or state assessments.

This year we will be exploring the following mathematical concepts:

• **The Number System**

-Know that there are numbers that are not rational, and approximate them by rational numbers.

• **Expressions and Equations**

-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.

• **Functions**

-Define, evaluate, and compare functions.

-Use functions to model relationships between quantities.

• **Geometry**

-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.

• **Statistics and Probability**

-Investigate patterns of association in bivariate data.

We will explore these concepts by using the following:

• **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.

**Problem of the Week (POW):** Students will be given a new math problem at the beginning of the week. These problems are designed to provide creative, non-routine challenges for students in grades sixth through eighth. Problem-solving and mathematical communication are key elements of every problem.

**IXL Learning:** Students will need access to internet to complete homework assignments through IXL. This website provides an additional support for students to continue developing mathematical skills covered in class. IXL provides an individualized learning experience with immediate feedback. If students do not have access to technology, please see me to create an alternative assignment or provide morning/afternoon sessions to receive access to technology.

**Please return this page to Ms. A**

I have read this course syllabus and will adhere to the rules and expectations in my math class.

Student’s signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent(s) signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent E-mail Address:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent contact information:

 Cell #:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Home #\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parents/Guardian: Please answer the following questions about your student. I’d like to get to know your student as quickly as possible this year.

Student’s Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(please print)

1. What is important for me to know about your child?
2. How are some of your child’s strengths and/or weaknesses in math?