**Stacey Adams**

**sadams@bguilfoyle.org**

**944-4014 ext. 103**

**mrssadams.weebly.com**

**Syllabus for Pre-AP Algebra I**

**Course Overview**

This course is designed for the student who has demonstrated exceptional talent and inquisitiveness for the study of mathematics. Students will be expected to have superior study habits and the ability to learn from a variety of instructional methods. It is expected that students master basic skills readily in order to put emphasis on applications and problem solving. Students will focus on operations functions; identifying linear functions; graphing linear equations; solving systems of equations by substitution and elimination; performing properties of exponents; adding and multiplying polynomials; factoring trinomials; operations with radical expressions; and operations with rational expressions.

**Major Course Objectives**

* Students will perform operations with real numbers.
* Students will use powers, roots and square roots.
* Students will apply order of operations to simplifying expressions.
* Students will solve multiple step equations.
* Students will use proportions and ratios to solve application percentage problems.
* Students will solve and graph inequalities.
* Students will graph functions.
* Students will graph linear equations.
* Students will use elimination and substitution to solve a system of two equations.
* Students will perform operations on and rationalize denominators for radical expressions.

**Textbook, Instructional Materials, Resources**

Burger, Edward B. (2007) Holt Algebra I. Holt, Rinehart and Winston. Orlando, Florida

**Grading**

Grades will be determined as a straightforward percentage of earned points divided by possible points. For each marking period student will earn points through homework and in class assignments, tests, and quizzes. At the end of each marking period, points will be totaled and divided by total possible points to determine the marking period grade. No extra credit will be given. This course has a weighted value of 1.10.

**Technology**

Students will be instructed on proper use of iPads. Notes may be taken on the iPad if the student prefers. There will be assignments posted on eBackpack occasionally and eBackpack will be used on snow days. Parents and students may check PowerSchool for graded assignments and tests. All the rules in the student handbook for use of iPads will be enforced within my classroom.

**Student Expectations**

* **General Expectations**

Be ***On Time!*** Be ready to learn when the bell rings.

Be ***Prepared!*** Bring all required items for class each day.

Be ***Respectful!*** Show respect towards teachers and fellow students.

Be ***Involved!*** Take an active role in your learning.

Abide by all rules set forth and outlined in the student handbook.

* **Preparedness**

Students should be prepared for class each day with: Pencil, fully charged iPad with textbook on it, a scientific calculator(which will be used at the teacher’s discretion), a neat notebook/binder, and handouts given by the teacher, and assigned homework.

* **Homework**

Homework is expected on the assigned due date. Late work **may** be accepted at the discretion of the teacher but will be subject to a penalty.

* **Attendance and Absence** (make up work)

Students are expected to attend class each day. If a student is absent, it is his/her responsibility to speak to the teacher about missed notes and assignments. The students will be given a certain amount of time decided by the teacher to turn in make-up work. This will vary depending on the amount of days absent. Failure to return make-up work when told will result in a zero.

* **Conduct**

Students are expected to follow the classroom rules given by the teacher and also to abide by the rules stated in the student handbook. Please follow the Golden Rule, “do unto others as you would have them do unto you” (Matt. 7:12).

* **Attitude**

Students are expected to have a positive attitude. By doing this, students must tackle the unknown and difficult; be willing to take risk; commit to doing their best; and should see the purpose of the work.

**Acknowledgment:**

Please sign and return this sheet by Friday September 2, 2016. A copy of this syllabus can be found on eBackpack.

I have read and understand the course description and student expectations for Mrs. Adams’ Pre-AP Algebra I class.

Student’s Name: Date:

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Student’s Signature: Date:

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Parent’s Signature: Date:

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