

## Pre-Algebra Course Syllabus

**Course Title:** Pre-Algebra

**Grade Level(s):** 8

**Instructor:** Ms. Kirsten Applegate  
Plan Period: 1<sup>st</sup> hour  
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### **Course Description:**

Pre-Algebra is a challenging course that will build on previous skills used in everyday math. This Course helps build a good algebra base so students will enjoy and thrive in upper level math courses. A hands on approach will be taken as students will be frequently asked to demonstrate several concepts to solve a particular problem.

### **Course Objectives:**

- Pre Alg-1 The student will compare basic operations to solve word problems.
- Pre Alg-2 The student will calculate measurements for solving two and three dimensional objects.
- Pre Alg-3 The student will rationalize an algebraic expression using basic operation skills.
- Pre Alg-4 The student will use ratio, proportion, and percent to solve problems.
- Pre Alg-5 The student will use graphing techniques to solve linear problems.
- Pre Alg-6 The student will use multipliers to convert a rate, English, and metric.
- Pre Alg-7 The student will understand different concepts and ideas with polynomials.

### **Instructional Strategies/Learning Activities:**

*Lectures and guided practice:* Lectures will be a part of everyday class. Lectures will cover the new material along with example problems done as a class.

*Cooperative Learning:* Other activities will be implanted in class as part of supplemental work for the new material and for MAP preparation and critical thinking problems. These will be done in individual, group, and as whole class settings.

**Student Grade will be based upon:**

Homework will be given on a daily basis and quizzes will be given every one to two weeks. Tests will be given every four to five lessons unless instructed otherwise. Points will be assigned to each assignment, class work, and test. Scores will be based on a percentage of points earned out of points possible.

Percent (%)	Grade
96-100	A
90-95	A-
87-89	B+
84-86	B
80-83	B-
77-79	C+
73-76	C
70-72	C-
67-69	D+
63-66	D
60-62	D-
59 and below	F

Students will have the opportunity to redo any homework (that was not turned in late) the following day if they wish to receive a better score. There will also be some opportunities for students to retake quizzes if they show that they have worked for improvement in mastering the concept before the chapter test.

**Make-up work/Late work:**

Each student is responsible for his/her own work. Missed work must be completed within 2 days of the day missed or before a chapter test or the points will not be rewarded.

Late homework will be accepted only up until the test for that section. 25% will be taken off any homework turned in late after class.

Math is linked together like a puzzle and if a part of the puzzle is skipped, further progress is delayed. I will be available most morning before school for any tutoring needed.

**Classroom Expectations:**

1. Be responsible
2. Be respectful
3. Be courteous
4. Be cooperative

5. Be truthful