Algebra I
Mr. Conley

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Areas of Focus:

- Analyze, interpret, and explain the process of solving equations and translating between equations and inequalities.
- Develop and understand functions, functions notations and limits on various functions.
- Apply regression techniques to describe linear relationships and make judgments about linear models.
- Develop the ability to create and solve quadratic equations, exponential equations, and systems of equations.
- Recognize the graph of a quadratic function and compare the quadratic function to linear and exponential functions.

Competencies:

- Apply and extend properties of number systems.
- Explain and justify reasoning when solving mathematical problems.
- Create tables, graphs, and equations as ways for depicting and analyzing patterns, relations, and functions.
- Design models that can be used to represent and understand quantitative relationships.

Grading:

The grading for this course will be based on a ***percentage*** system. Summative assessments (i.e., select homework and class work assignments, quizzes, tests, in-class and take-home projects and the final exam) will account for 100% of the final grade. Students will have multiple

opportunities to demonstrate a competent performance level of core competencies. There will be at least four of these opportunities per competency/per semester**.**

Retakes are available for specific summative assessments at the discretion of the instructor. In order for a student to be eligible for a retake, all prior class work and homework assignments must have been satisfactorily completed prior to the date of the original summative assessment.

Classroom Expectations:

- Be prepared
- Be polite
- Be productive
- Be proactive
- Be positive

Late Work:

- Students are encouraged to practice good self-management by turning in all work on time.

Make-Up of Assessments:

When a student is absent excused on the day of an assessment, she/he must complete the assessment within 2 class periods following the absence.

Notes to Students:

- Keep every piece of paper that you come across in this class! Try and stay organized!
- When you are stuck on problems away from class, don't just give up on them! Take advantage of all the resources available including meeting with teacher, notes, peers, textbook, parents, Big Ideas Math website, etc. Put effort into getting past roadblocks along the way!

- My experience has been that working with others from the class on homework, take-home assessments, or just studying material is beneficial. I encourage as many of you as possible to work together outside of class as frequently as it is feasible.
- There will be a great deal of online resources/requirements in this course. If you have an issue with internet access or any other technology problems please do not hesitate to bring them up before it is too late.