

# Bartelso Grade School

## 8<sup>th</sup> Grade Algebra 1 Syllabus

**Class Time:** 9:25 – 10:15

**Class Location:** Library

**Required Materials:**

- Textbook
- Notebook
- Pencil
- Previous Day's Homework
- Chromebook

**Course Goals:**

This course is intended to a) prepare students for high school mathematics, b) prepare students for high school placement tests, c) prepare of the annual Central Math Competition, and d) provide a fast-paced and rigorous mathematical experience that will lay a foundation for advanced math coursework in the future.

**Topics Covered:**

- Expression and Equation manipulation
- Properties of Real Numbers
- Solving and Graphing Linear Equations and Inequalities
- Exponents
- Solving and Graphing Quadratic Functions
- Factoring Polynomials
- Ratios and Proportions
- Radical Functions and Trigonometric Ratios
- Geometric Shapes and Properties

**Class routine and expectations:**

- Homework will be given daily and there will be a weekly assessment in the form of a quiz or test.
- After the previous days' work is gone over, a new lesson will begin.
- Students are expected to take notes and actively take part in class.
- On the 1<sup>st</sup> Thursday of each month, students will either have a substitute teacher or go to Mrs. Hughes's room work on an assignment.
- Since the content of this class is at a 9<sup>th</sup>-Grade level, we will move at a high-school pace.

- Students must take the initiative to ask for help when confused and be prepared to move to new topics daily.
- Homework will be taken for a completion grade and students will be responsible for checking answers upon entering class.
- Homework is practice, but failure to attempt/complete the assignments will result in students not being preparing for assessments.
- The majority of the class grade will come from tests and quizzes, thus, failure to understand the homework will result in failure to understand the tests which may result in poor overall grades.
- The moral of the story is to do your homework even though it isn't worth that many points; it will pay off on test day.
- Work must be shown in order to receive partial-credit. A wrong answer with no work will result in no credit.
- There will be very few, if any, extra credit opportunities.
- Have fun 😊