

# Algebra I

**Course Name:** Algebra I

**Instructor's Name:** Kit West

**Contact Information:**

Email- [kwest@stlukeslutherschool.com](mailto:kwest@stlukeslutherschool.com)

Home phone number: School directory

**Text:** *Algebra I*, McDougal, Littell

**Grading Scale:** School Policy

**Materials:** TI-82, TI-83 or TI-84 (Graphing Calculators),

Provided at school: pencil for all tests, graphing paper, college rule notebook paper

**About the Teacher:** I received a bachelor's degree in Biology and Spanish from Franklin and Marshall College, and a master's degree in Botany from the University of Georgia. During my science training I completed the required five semesters of advanced mathematics, and I have tutored students in this course. This is my eighth year teaching at St. Luke's Lutheran School.

**Contact Information:**

Planning time at school:

Other planning time

School voice mail- 825-8890 ext. 108.

Email- [kwest@stlukeslutherschool.com](mailto:kwest@stlukeslutherschool.com)

Home phone number: School Directory

**Assignment and Grading Policy:**

**Homework-** Homework is for student practice and self evaluation of material covered. Students are expected to complete all homework assignments. If a student is having difficulty with the homework he/she should contact me before class. Class participation and completion of homework is taken into consideration for the overall grade.

**Quizzes-** are generally administered mid-chapter and are valued at 100points.

**Tests-** are administered at the end of each chapter are valued at 200 points.

**Midterm-**20% 1<sup>st</sup> semester average for 9<sup>th</sup> graders

10% 1<sup>st</sup> semester average for 8<sup>th</sup> graders

**Final-** 20% 2<sup>nd</sup> semester average for 8<sup>th</sup> and 9<sup>th</sup> graders

**We will cover the following units of study:**

Connections to Algebra  
Properties of Real Numbers  
Solving linear equations  
Graphing linear equations and functions  
Writing linear equations  
Solving and Graphing linear inequalities  
Exponents and exponential functions  
Quadratic equations and functions

**Method of Delivery:** Lecture, notes, discussions, cooperative learning.

**Learning Goals**

**(i.e. what each student should know and be able to do by the end of this course):**

- Know how to use their graphing calculator to efficiently assist students in higher math and science courses.
- Know how to write, solve and graph linear equations, inequalities and functions.
- Know how to correctly utilize the order of operations when solving algebraic equations and functions.
- Understand the relationship between graphing linear equations and solving systems of linear equations.
- Know how to simplify and solve radical and exponential functions.
- Know how to graph and solve quadratic equations and functions.

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