

Algebra 1 Syllabus + Course Content

Instructor: Mrs. Cafferty fcafferty@jacksonsd.org Room C204

Office Hours: Monday – Wednesday – Friday Common Lunch B 10:24–10:52am

Student Responsibilities:

- ★ Ask questions to deepen understanding
- ★ Engage in your learning
 - Take notes
 - Complete all assignments
- ★ Interact with your teacher and your classmates
 - Attend Office Hours during common lunch, especially if you are absent and need to make up any work.
- ★ Open your mind to new ways of thinking
- ★ Use what you have learned in prior math classes to acquire new knowledge

Grading:

- ★ 20% Classwork
- ★ 20% Homework
- ★ 60% Assessments

Materials and Access:

- ★ Google Classroom
 - Virtual Graphing Calculator
 - Savvas Envision digital Student Materials
 - Quizizz Assignments
 - Student.Desmos.com
 - IXL.com
- ★ Printed Notes
- ★ Homework Workbook

Algebra Recommended Supplies:

- a 2-inch 3-Ring binder
- a folder
- Pencils
- a calculator*

*students will have access to virtual calculators if they do not have a physical calculator at home.

Algebra 1 Syllabus + Course Content

Topic 1	<i>Solving Equations and Inequalities</i>
Topic 2	<i>Linear Equations</i>
Topic 3	<i>Linear Functions</i>
Topic 4	<i>Systems of Linear Equations and Inequalities</i>
Topic 7	<i>Polynomials and Factoring</i>
Topic 8	<i>Key Features of Quadratic Functions</i>
Topic 9	<i>Solving Quadratic Functions</i>
Topic 5	<i>Piecewise Defined Functions</i>
Topic 6	<i>Exponential Functions</i>
Topic 10	<i>Working with Functions</i>
Topic 11	<i>Statistics</i>

Thin Slice Lessons

- Daily for 25 minutes of class
- Students collaborate in groups of 2-3
- Take turns writing the group solutions to the assigned problems of the day
- Take notes after participating in problem solving
- Complete a lesson quiz to show understanding
- Start daily homework, if time allows

Thin Slice Assessments

- Less Questions
- One question per skill
 - ◆ Basic Concept Questions
 - ◆ Intermediate Concept Questions
 - ◆ NJSLA Style Questions
- Scored on a Rubric
- Based on the number of questions
 - ◆ All Basic Concept Questions Correct = 70%
 - ◆ All Basic & Intermediate Concept Questions Correct = 85%
 - ◆ All Basic & Intermediate + 1 NJSLA Style Question Correct = 92.5%
 - ◆ All Questions Correct = 100%