

Algebra 1 Syllabus

Instructor

Sheri Woodall

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Email

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Room

A209

Conference

9:49-10:39

Tutoring

Tuesday mornings

7:30am-8:00am

Thursday afternoons

3:30pm-4:00pm

Course Overview

The purpose of this course is to satisfy the Algebra 1 requirements of the Texas Essential Knowledge and Skills and prepare students to pass their End of Course exam. This course extends on previous mathematics coursed and introduces more advanced topics: solving, graphing, and writing linear equations and inequalities, linear systems, exponential and quadratic functions, and factoring.

Course Objectives:

Linear Functions. Equations. & Inequalities:

- Use linear properties to write & represent in multiple ways
- Understand linear function key features & related transformations

Quadratic Functions & Equations:

- Use quadratic properties to write & represent multiple ways
- Understand quadratic graphs & their transformations

Exponential Functions & Equations

- Use exponential properties and related transformations to write, graph & represent in multiple ways

Number & Algebraic Methods:

- Use algebraic methods to rewrite in equivalent forms & perform operations on polynomial expressions
- Use algebraic methods to write, solve, analyze, & evaluate equations, relations, & functions

Class Supplies

- 1 ½ in binder
- Pencils!!! ;)... Pencils will be for sale: \$.25/regular pencil & \$.50/mechanical pencil. Proceeds go to the TMSCA teams.
- Filler paper (college ruled preferred)
- 1 pack of triple 'A' batteries
- Kleenex
- *not required but much appreciated; color copy paper (not dark colors) pastel or neon would be great! (we use for class notes)

Resources

We will use the text book some but mainly teacher-made notes and worksheets.

- Textbook: TEKS Texas Algebra 1, McGraw Hill Education

Class Rules

Arrive on time.

Raise your hand before speaking.

Listen to others and participate in **class** discussions.

Stay on task.

Do your assignments.

Bring materials and have them ready.

Listen to directions.

*District Policies always apply

Consequences: 1st offense = warning. We shouldn't have any trouble afterwards...Further actions depends on the situation and could result in parent contact or office referral.

Course Schedule

TEKS RESOURCE SYSTEM LINK: <https://www.teksresourcesystem.net/>

Semester 1 Units	Topic	TEKS
Unit 1	Algebra Basics Review	A.2A, 5A,B
Unit 2	Multi Step Equations & Inequalities	A.5AB, 10ACD, 12E
Unit 3	Relations & Functions	A2A, 3C, 9A, 12ABCD
Unit 4	Linear Equations	A.2ABCDFG, 3ABCDF, 4ABC
Unit 5	Systems of Equations & Inequalities	A.2HI, 3DFGH, 5C
Unit 6	Laws of Exponents, Expressions, & Factoring	10ABCDEF, 11B
Semester 2 Units		
Unit 7	Quadratic Equations	A.6ABC, 7ABC, 8AB
Unit 8	Exponential Functions	A.9ABCDE, 11AB, 12D
Unit 9	Arithmetic & Geometric Sequences	A.3C, 9D, 12CD
Unit 10	Making Connections	A.2ACEFGHI, 3BCDH, 4C, 5ABC, 6ABC, 7A C, 8AB, 9CDE, 10EF, 11B
EOC REVIEW		
Unit 11	Cost Comparison Analysis	A.2ACHI, 3BCH, 4C, 5AC

Homework Policy

Homework will be due the 2nd day after assigned. My reasons are as follows: 1) this allows students to try their independent work on the first day and use the next day to ask questions before or after class; 2) it is a buffer for student extracurricular activities, 3) less excuse for late papers. Caution: don't let assignments pile up!

Late Papers: we don't want any! But if it happens, 1 day = -10 points, 2 days = -20 points, 3 days = -30. All unit assignments must be turned in before the Unit Test. If an assignment is turned in more than 3 days late but before the Unit Test, the highest possible grade is a 55. After the Unit Test, it is a zero.

Make-up Work Policy

A student will have the number of days absent (excused) plus one to turn in make-up work.

Grading Policy

Tests/Projects = 60%

Dailey, Homework, & Quizzes = 40%