

Algebra 1 Syllabus

Mr. McCorkle

smmccorkle@mcpsmt.org

(406) 728-2400 x6637

Course Overview

In Algebra 1, students continue the study of patterns, relationships, and symbolic notation, and connect their understanding to the real world. We narrow our study of relationships to functions in general, then to the distinct families of linear, exponential, and polynomial functions, as well as systems of these functions. In addition, students expand their understanding of statistics, statistical models, and notation.

Course Objectives

By the end of the school year, you will be able to demonstrate a good understanding of the principles, processes and vocabulary related to the following areas:

1. Representing relationships mathematically
2. Understanding functions
3. Statistical models
4. Linear functions
5. Linear equations and inequalities
6. Systems of linear equations and inequalities
7. Relationships that are not linear
8. Exponential functions and equations
9. Polynomial expressions and functions
10. Quadratic functions
11. Quadratic equations

In addition, you will continue to develop proficiency with the Common Core's eight Standards for Mathematical Practice:

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.

Required Texts and Materials

Text: Finocchi, Sandy. *Mathbook: Algebra 1, 4th ed.* Pittsburg, PA.: Carnegie Learning 2022. Print.

Materials: Paper (Notebook), Pencil, Chromebook (checked out to you on the first day of school)

Classroom Rules and Expectations

1. Follow the classroom rules and expectations as posted and discussed in the class.

2. Be on time to class: To be on time for class you must be in your seat, with your materials, ready to go when the bell rings. If you do not have these things out and ready to go when the bell rings you will be considered tardy. With your materials means you must have these things out and ready to go:

- a. Math Notebook
- b. Pencil
- c. Chromebook
- d. Phone with Desmos calculator app (we download this in class) or a calculator.

3. If absent, it is your responsibility to find out what you missed. Please use the google classroom (see below) to help to stay up to date on the material.

Grades

Grades will be determined by the percentage of total points accumulated during the semester. Grades will be given as follows:

A	90 – 100%
B	80 – 89.9%
C	70 – 79.9%
D	60 – 69.9%
F	≤ 59%

**** Students must earn a 60% or above in order to move on to Geometry next year.**

Mathia/Homework

Mathia is the online program portion of our curriculum. We will use Mathia in class to extend your understanding of the work we do in class, and to provide chances for you to learn more about and to become proficient in the material we are covering.

We will also be using CYU (Check Your Understanding) worksheets to help us practice the material. These worksheets are not graded but you are expected to complete the work to make sure you understand the material before taking a test or a quiz. The solutions to the worksheets will be included in the google classroom so that you can check your answers or to look for help on how to do a problem.

Tests and Quizzes (100% of overall grade)

Tests and quizzes will cover the material from class and from Mathia or worksheets. I know that math can be a very difficult subject. If you work hard, take good notes, and come in for help when you need it, you should do well in this course. You may use notes on all of your tests and quizzes. The better your notes, the better you will remember the material.

I allow retakes of all tests and quizzes. To complete the retake process, you will come to class (outside of class time) to make corrections on your quiz or test, to show me that you have figured out what you did wrong. If you need help, I will help you to understand your mistakes. After we are both sure that you understand the material well, you may take a similar test or quiz. I will replace your old quiz/test score with your new quiz/test score. If you make an honest effort in this class, you will have every opportunity and support to succeed.

Google Classroom

Please use the google classroom for all information regarding our class. Weekly I will post to two different tabs: “In Class” and “Tests and Quizzes.”

- In the “In Class” tab I will post what we will be doing each day during the week. Included in this tab will be lesson videos of all lessons we complete. You should watch these lesson videos when you are absent or if you need to look at the material again to improve your notes. Also included are any assigned worksheets along with their solutions.
- In the “Tests and Quizzes” tab I will post the dates of our tests and quizzes.

Please make sure you always refer to the google classroom for class information, especially when you are absent. Everything in class is available to you to help you to stay current in the class.

Late Work Deadlines (Posted in the classroom)

Hellgate High School has late work deadlines for missing work and retakes. Any homework, tests, or quizzes that are not completed by the late work deadlines will be scored a zero. Please make sure to work with me to avoid any of these zeros. I am available before school, during Office Hours and almost every day at lunch to help you. You will be reminded frequently about these deadlines, and given plenty of opportunities to make sure you get your work completed on time.

Absences

If you are absent for any reason, it is your responsibility to find out what you missed. The expectation is that you check the resources available to you (google classroom!), before you come to ask me what you missed.

If you miss a test or a quiz due to an excused absence you must schedule a time with me to complete the task during Office Hours, at lunch, or after school. It is your responsibility to talk to me about this.

Each week I will post all of our classroom information in the google classroom. If you forget what was assigned, or if you are absent, please check either of the places to obtain your missing work. After you have done this, check in with me to see if there was anything else that you missed.

Contact Information

Please feel free to contact me at any time. I am best reached by email or phone. If you call and I am not available, please leave a message and I will return your call as soon as I can.

Shane McCorkle

smccorkle@mcpsmt.org

(406) 728-2400 x6637

<http://www.mcpsmt.org/Domain/522>