Algebra 1 Syllabus
Mr. McCorkle
Room 134

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. Linear functions
4. Statistical models
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: Larson, Ron. *Algebra 1*. Evanston, Ill.: McDougal Littell, 2007. Print.

Materials: Paper (Notebook)
           Pencil
         Calculator (a scientific calculator is sufficient for this class)

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 5 things out and ready to go:

     1. Book   4. Pencil
     2. Homework   5. Calculator
     3. Paper

3. If absent, it is your responsibility to find out what you missed.

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%	** **Students must earn a 70% (C) or above in order to**
C	70 – 79.9%	**move on to Geometry next year**.
D	60 – 69.9%	
F	≤ 59%	

Homework

Homework will be given on most days. Homework is an important piece of the learning process. Homework is the practice we use to work on perfecting our skills and to find out where we still have questions. At the beginning of each class, we will go over homework and I will answer any questions you might have. If you do not do your homework, you will miss out on the opportunity to find out what questions you have, and to get those questions answered.

I will not be grading homework on a daily basis. I believe your grade should be based on what you know of the subject. As such, your grade will be calculated using the total points you receive from your quizzes, tests, and other activities. By doing your homework daily, you can ensure that you are prepared for the material that will be covered in your quizzes and tests.

Tests and Quizzes

Tests and quizzes will cover the material from class and from homework. I know that math can be a very difficult subject. If you work hard, complete your assignments, and come in for help when you need it, you should do well in this course.

I allow retakes on quizzes and tests to regain all, or part, of the points you had lost. However, in order to earn this privilege you must show me that you have completed all of the homework over which the test or quiz covers. If you make an honest effort in this class, you will have every opportunity and support to succeed.

The Semester Finals are comprehensive tests. We will have an extensive review of the material, but it would benefit you greatly to take notes during class, and to hold onto your homework assignments so that you can review them at the end of each semester in preparation for the final. There are no retakes of the Semester Finals.

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 (website, assignment board in class), 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 complete the task during Office Hours, at lunch, or after school. It is your responsibility to talk to me about this.

Each day I will post the given work for the day in two places; on the assignment board in the classroom and on my website (given below). 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.

Missing Work and Retake Deadlines
Hellgate High School has the following deadlines for missing work and retakes. Any tests or quizzes that are not completed or retaken by the following dates will be scored a zero. Please make sure to work with me to avoid any of these zeros. I am available 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. The deadline dates are as follows:
Semester 1:
- October 3
- November 7
- December 5
- January 9
- January 25 (End of Semester)

Semester 2:
- March 6
- April 3
- May 1
- June 6 (End of Semester)

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
smmccorkle@mcps.k12.mt.us
(406) 728-2400 x6637
http://www.mcpsmt.org/Domain/522