

## Algebra 1 with Probability

Ms. Mendenhall

## Course Syllabus 2021-22

**Overview**

Welcome to Algebra! In this course, the mathematics topics you have previously learned will be extended to mathematical models in order to solve complex real-world problems. From learning to recognize patterns, relationships between variable quantities, to understanding how to interpret those patterns, you will discover how to find the solutions to problems. In the process, you will learn to rely on symbols to represent and explain mathematical relationships. College and Career Readiness objectives will be practiced. Throughout Algebra 1, we will build a mathematical foundation that will make connections among mathematical concepts, across disciplines, and into everyday experiences. Moreover, this course will help prepare you for other mathematics courses you will take in high school. Bring to class your curiosity and your willingness to work hard and I promise mathematical answers.

**Course Content**

- Exploring the skills and strategies underlying mathematics / mathematical processes
- Establishing number sense and operation skills / foundations
- First-degree expressions, equations, and inequalities
- First-degree graphs, relations, and functions
- Quadratic equations and inequalities
- Quadratic graphs, relations, and functions
- Rational and radical expressions, equations, and functions

**Suggested Materials Needed** = Textbook / Pencil / Highlighter / Pen / Notebook / binder

**Grading Distribution**

60 % == Tests and Projects

40 % == Class activities and practice homework and quizzes

**PED'S:** Personal Electronic Devices (HCS handbook Appendix B)

Students may possess PED's, but they must be powered off and out of sight in backpacks/purses/etc. It is not permissible for PED's to be on 'silent' or 'vibrate' during class time. See HCS handbook if you have further questions concerning PED's.

-- Temporary confiscation of a student's PED is appropriate for violations of this policy. The student's PED will be handed over to an administrator immediately and will hold the PED until such time as the student's parent or guardian makes an appointment to pick up the item.

Mendenhall's **CELL PHONE** policy === I DON'T WANT TO SEE IT !! if your PED is out in class, I will take it from you and hold on to it until the end of class. It will be kept safe in the class phone fanny pack until the end of class bell.

**Homework** – is due the next class meeting day. It is highly important to stay on top of your work by getting assignments done on time. Late work will be accepted for partial credit.

**Class Participation:** Participate fully in all class activities. Be “in the game” playing hard, not “sitting in the stands” watching what is going on.

**Classroom Rules/Expectations:**

1. RESPECT yourself, classmates, environment
2. RAISE your hands and your confidence
3. FOLLOW class procedures, directions, school polices

### **Personal Statement:**

If you are having difficulties with any of the topics covered in this course, please see me as soon as possible! I am available to provide extra help before school starting as early as 7:45am.

In addition, keep the following thoughts in mind:

- When you worry that you can't do it, tell yourself "Yes I can figure this out"
- Always know you can ask help
- Recognize each accomplish, no matter how small
- Bring a positive attitude to class

### **How to have a SUCCESSFUL school year**

- ✓ Show up! On Time! Every Day!
- ✓ DEMAND full understanding/ask until satisfied / If what it doesn't make sense, ASK
- ✓ Put your FULL EFFORT into all assignments.
- ✓ If your grade is lower than expected, meet with me right away!
- ✓ PARTICIPATE in class with questions and discussion.

BRING THIS PAGE BACK TO MS. MENDENHALL  
COMPLETED AND SIGNED TO RECEIVE  
5 POINTS BONUS TOWARDS YOUR FIRST QUIZ  
THANK YOU !

**SYLLABUS AGREEMENT 2021-22**

**MS. MENDENHALL – ALGEBRA 1**

**I have read and/or discussed Ms. Mendenhall’s classroom syllabus with my child.**

**My child and I understand the information given and agree to abide by the rules & policies.**

\_\_\_\_\_  
Student Name (print)

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Parent/Guardian Name (print)

\_\_\_\_\_  
Parent/Guardian Signature

Relation to student: \_\_\_\_\_

*\*below please provide the best point of contact for further communication\**

Parent Contact Phone Number: \_\_\_\_\_

Email Address: (please print clearly) \_\_\_\_\_

– If there is anything specific you feel I should be aware of, please comment below–

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