Algebra 2 - Syllabus

Lisa Murchison
lisa.murchison@covesd.org
541-568-4424

Google Classroom Codee : ddenmas

Course Overview

Students will extend their knowledge of properties of numbers, laws of exponents and radicals, simplifying and solving polynomial expressions & equations and graphing functions and relations with at least 60% proficiency rate. Students will learn basics of matrix operations and complete a project using standards of statistical analysis, also to a proficiency of at least 60%.

Units of Instruction

Book: Algebra 2
Kanold, Burger, Dixon, Larson, Leinwand
Houghton, Mifflin, Harcourt Publishing
ISBN: 978-1-328-90004-3
Online version: my.hrw.com

Book number_____ Username _____ Password_____

Chapters will be covered in the following order with some topics being revisited year-long. Occasionally projects will be infused into the curriculum as well. Chapters take approximately 8 days to complete, followed by review & a test.

1. Analyzing Functions
2. Absolute Value Functions, equations, and Inequalities
3. Quadratic Equations
4. Quadratic Relations and Systems of Equations
5. Polynomial Functions
6. Polynomials
7. Polynomial Equations
8. Rational Functions
9. Rational Expressions and Equations
10. Radical Functions
11. Radical Expressions and Equations
12. Sequence and Series
13. Exponential Functions
14. Modeling with Exponential and Other Functions
15. Logarithmic Functions

16. Logarithmic Properties and Exponential Equations
17. Unit Circle Definition of Trigonometric Functions
18. Graphing Trigonometric Functions
19. Introduction to Probability
20. Conditional Probability and Independence of Events
21. Probability and Decision Making
22. Gathering and Displaying Data
23. Data Distributions
24. Making Inferences from Data

Distance Learning: In the event that we shift to distance learning you will be required to login to Google Classroom for all communications and materials as well as to submit assignments. Lessons will be LIVE at 1:30pm via ZOOM and will also be recorded & available on Classroom. I anticipate the format to be similar to on-site class, approximately 20 minutes of teaching time followed by time for you to work on assignments and ask questions. During this time I will keep the ZOOM meeting open so that others may also benefit from your questions.
I will begin class by taking attendance, if you are not logged in, you will be considered absent.

Rules and Expectations

Attendance: Students are expected to attend class regardless of on-site or on-line. While lack of attendance will not directly influence your grade, each topic builds rapidly on the one before and the lecture time is vital to understanding. If extended absence becomes necessary, lessons will be available on google classroom. Please contact me as soon as possible to make up missed assignments or tests.

Assignments: Guided practice is in-class on a daily basis. Assignments will be posted on Google Classroom. All assignments have a final deadline to be turned in before the test. I would rather have students complete the work & understand it than rush through it, however if you don't get feedback you can't make corrections before you are tested. In other words, DON'T WAIT UNTIL THE LAST DAY TO SUBMIT WORK.

Communication: Students are expected to use google classroom for daily work, projects or activities and to submit assignments. Students will be able to access their interactive textbook online. If you need extra time or instruction, please let me know ASAP….I can only help you if I know you need help. I am available before 7:45am, at lunch, after school or during my prep period (2:30-3:30pm). If you need help outside of these times, please contact me via the email address given above.

Technology: As technology expands our capabilities for enriching the student's understanding of the concepts, additional assignments and projects may be given. These may include:

Online quizzes: Using the online textbook The student will receive instant feedback & remedial activities following completion of the quiz.

ixl.com may be used to provide an opportunity for mastery of specific skills
These may be graded or used solely for enrichment.

Username_____ password _____

Khanacademy.com - this is an outstanding site for extra explanations of concepts

Tests: A test will be given at the end of each unit. Each test is worth 100 points. By the nature of the subject, most tests will be inclusive of content from previous chapters. Retakes **may** be given if the teacher assesses the need for one. Tests will represent approximately 70% of the total grade with the remaining 30% comprised of in-class participation, activities & quizzes.

Grading: The course grading scale is as follows:

90 – 100%	A
80 – 90	B
70 – 80	C
60 – 70	D
Below 60%	F

Semester Grades: The semester grade is computed on the total points for the 2 terms together, not an average of the two 9 weeks grades.