

Course Description: This course is designed to enable student success in learning algebra II through a number of methods including cooperative activities, discovery learning, and real world applications. We will also incorporate the use of technology. The cumulative nature and rigor of this course requires a positive work ethic, commitment to learning and excellent class attendance!

Course Content:

Content for both algebra 2 core and honors classes are similar. The additional content for the honors course is in ().

Skills Refresh Unit - PEMDAS with integers and fractions, algebraic properties, solving/graphing equations and inequalities -

Topic 1 Part 1: Functions and Inequalities (Piecewise functions and Arithmetic sequences)

Topic 1 Part 2: Linear Systems

Topic 2 Part 1: Quadratic Functions, Equations and inequalities

Topic 2 Part 2: Quadratic Systems of equations and inequalities.

Topic 3: Polynomial Functions - (Binomial Theorem and Remainder Theorem)

Topic 4: Rational Functions

Topic 5: Rational Exponents and Radical Functions

Topic 6: Exponential and Logarithmic Functions (geometric sequences)

Course Resources:

Online; Canvas, Pearson (Savvas), Progress Learning, Khan Academy and other resources.

Textbook: Pearson Algebra 2 (online) a copy can be checked out from the media center.

Materials Needed:

Notebook

Folder for loose papers plus Lined paper

One box of tissues

PENCILS and erasers (pens not recommended)

scientific calculator

Grading Policy: The quarter grade is divided into 2 categories: Practice (30%) and Mastery (70%).

Grades will be updated on a weekly basis. A zero will be entered to denote a missing assignment and will be revised during the next update cycle.

Practice Grades: Classwork incorporates the following: guided note taking, practice to consolidate processes and to demonstrate understanding. Homework, there is generally sufficient time during class to complete the work.

Mastery Grades: Quizzes, Tests, short projects.

Late work: Classwork and homework is expected to be completed by the day's lesson. If work is completed after the assignment due date a 5% penalty will be deducted for each day late. Late work completed after a quiz or test will result in a zero..

Tutoring: There is additional help or tutoring after school from 3.00pm - 4.00pm in the cafeteria. I am generally available most days after school with prior arrangement.

Make-up policy due to an absence: It is the **student's responsibility**, not the teacher's, to make up all work, due to an **excused** absence. Homework missed due to an absence must be made up within 3 school days. quizzes or tests must be made up within 5 school days. If you miss this window a zero will be entered! If you are absent the day before a quiz or test, you are still expected to take the assessment at the regularly scheduled time. If you attend a school event it is **YOUR** responsibility to make up any assignments you missed while out of class.

The '**Five P's**' are key

1. Be **Prompt** - Be on time to class.
2. Be **Prepared** - Have all the required materials needed for your class
3. Be **Productive**: Use your time wisely, focus and stay on task, ask for help when needed.
4. Be **Polite** - Be respectful of the rights of others, property and the school
5. Be **Positive** - Do your best and strive for excellence at all times.

Check Canvas for updates, notes, and assignments.

School website TheVillagesCharterSchool.org, is where you will find my teacher connection page.

I am looking forward to a productive school year with each and every one of you.

Hospitality

Stewardship

Hard work

Creativity