

*Algebra 2*  
**2018-19 Course Syllabus**  
Veterans Memorial High School

**Algebra 2**

**Veterans Memorial High School**

**Course Description:** Students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. Students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations. Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods.

**Course Units:**

I	Analyzing Functions	VII	Polynomial factoring, dividing equations
II	Absolute Value Functions	VIII	Rational functions
III	Quadratic Functions	IX	Radical Functions
IV	Quadratic Functions and Inequalities	X	Radical Expressions
V	Quadratic Relations and Systems of Equations	XI	Exponential Functions
VI	Polynomial functions and Expressions	XII	Logarithmic Functions

**Grading Policies:**

- I Refer to District Grading Policy: Test/Projects-40%, Daily Work/Quizzes-60%
- II Students will have a minimum of **3 test** and/or **project** per nine weeks. *OPI*, Opportunities for Improvement, will include retaking tests, alternate assignments, and tutoring.
- III Students will be assigned homework and daily work/quizzes. At least three assignment grades per week will be entered in the electronic gradebook.
- IV. **Late Work** will be accepted **three days** after the deadline. A deduction of 10 points will be applied for each day late. On the **fourth day**, the grade will result in a **zero**.
- V. **Absent work** should be obtained when the student returns to class. Once student receives work, the student will have **five days** to turn in the missing work on time.
- VI. **Retest** opportunities will be given during tutoring time or class time. Students have **5 days** after the grade is posted to redo a failing test. Before a retest can be taken, the student will be **required to make corrections** on a separate sheet of paper, show work, and demonstrate a better understanding of the concepts. The **highest grade of the two** will be recorded for the test.
- VII. Students may redo a failing daily assignment or homework grade. Students have **five days** after the grade is posted to redo a failing assignment.

VIII. **Extra credit** opportunities will be offered to the whole class throughout the school year.

**Resources:**

- I District Algebra 2 Curriculum
- II HMH – Houghton, Mifflin, and Harcourt Geometry textbook and online textbook  
Website: [my.hrw.com](http://my.hrw.com)
- III TI – NSpire CX Handheld (Calculator), Calculator rentals will not be available this year as we have a limited amount. Resources for calculator can be found on my website below.
- IV Google Classroom will be used on occasion for announcements, assignments, peer communication, and student-teacher communication

**Supplies:**

- Composition Notebook
  - 1 Pack of tape Refill
  - 3 pack Glue sticks
  - 1 Pack of Pencils
  - Disinfecting Wipes or 8oz bottle of hand sanitizer
  - 1 box of tissues
  - *Optional –scissors, highlighter, and graph paper*
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