



Algebra 2

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Conference Period: 3rd Period

Tutoring Opportunities: Monday – AM by appointment; Tuesday & Wednesday – 4:25-4:55; Thursday – 4th Lunch

Class Materials:

- Graphing Notebook (can also be loose graphing paper in a binder)
 - ***This will hold your class notes and will be taken as a major grade every six weeks.***
- Erasable pens (if desired)
- Colored pens (if desired, for class notes)

Access to Canvas and Office365 tools is available to students through our [Single Sign-on Portal \(SSO\)](#). Students receive their SSO login during enrollment.

Course Description:

In Algebra II, 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. Students enrolled in a high school level math course (including middle school algebra), Chemistry, or Physics will be using a Texas Instruments TI 84 PLUS or a TI 84 PLUS CE graphing calculator. This calculator can be found online and in many stores that sell school supplies. The calculator can be used throughout all high school courses a child attends during their enrollment. If you have any specific questions or concerns, please contact me via email.

Course Goals:

In Algebra II, 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.

Student Evaluation:

The grading system for this course is as follows:

- Grade averaged 60% Major 40% Minor
- Major grades – tests (including District Common Assessments, projects, final essays, research papers, presentations); minimum three per six weeks
- Minor grades – quizzes, daily assignments, journals; minimum four per six weeks
- Each six weeks will count as 1/3 of the semester grade.
- A letter system (S, N, U) is used to report a student's conduct based on proper/responsive conduct and citizenship
- Per Board Policy EIA (LOCAL), "The District shall permit a student who meets the criteria detailed in the grading guidelines a reasonable opportunity to redo an assignment or retake a test for which the student received a **failing** grade. This policy applies only to initial identified major grades and does not apply to daily assignments and quizzes. Upon reteach and retest, the new test, project, etc. recorded will be a high score of 70%.

- Official grades will be in Skyward only and can be accessed by student and parent through Family Access.

Assignments, exams, expectations outside of the classroom:

Every Friday students will have an **End of Week Quiz** based on the classwork assigned during that week. Quizzes will be 5 to 10 questions long and may be timed as appropriate. Students who are absent on Friday will be required to make-up their quiz the following Monday, or when the student returns to school. Students who fail their End of Week Quiz are strongly encouraged to attend tutorials to achieve mastery of concepts. There are no re-tests offered for End of Week Quizzes.

Attendance/Tardy Policy/Make-Up Work:

Regular school attendance is essential for a student to make the most of his or her education—to benefit from teacher-led and school activities, to build each day's learning on the previous day's, and to grow as an individual. Absences from class may result in serious disruption of a student's mastery of the instructional materials; therefore, the student and parent should make every effort to avoid unnecessary absences. Two state laws—one dealing with the required presence of school-aged children in school, e.g., compulsory attendance, the other with how a student's attendance affects the award of a student's final grade or course credit—are of special interest to students and parents.

Classroom Expectations:

- Arrive on time with all required materials.
- Student cell phones are to be placed in their calculator pocket upon arrival. (Or, teacher desk)
- At the end of class all students are to return to their seat and wait for the bell.

Academic Integrity: Update from GRH

Academic integrity values the work of individuals regardless if it is another student's work, a researcher, or author. The pursuit of learning requires each student to be responsible for his or her academic work. Academic dishonesty is not tolerated in our schools. Academic dishonesty, includes cheating, copying the work of another student, plagiarism, and unauthorized communication between students during an examination. The determination that a student has engaged in academic dishonesty shall be based on the judgment of the classroom teacher or other supervising professional employee and considers written materials, observation, or information from students. Students found to have engaged in academic dishonesty shall be subject to disciplinary and/or academic penalties. The teacher and campus administrator shall jointly determine such action.

SAT/ACT Requirements: (Only for students who take Algebra 1 in middle school)

Students who take Algebra 1 as an 8th grader must take either the corresponding ACT or SAT during high school in order to fulfill federal testing requirements and graduate.

Graphing Calculator: Students enrolled in a high school level math course (including middle school algebra), Chemistry, or Physics will be using a Texas Instruments TI 84 PLUS or a TI 84 PLUS CE graphing calculator. This calculator can be found online and in many stores that sell school supplies. The calculator can be used throughout all high school courses a child attends during their enrollment. If you have any specific questions or concerns, please contact cadams@ems-isd.net.