Advanced Algebra 2

Holly Allen hallen@ems-isd.net
Remind: You should already be in Remind for your class; however, if you are not, text the following code to 81010
@g9g94c73g3

Conference Period: 11:00 am – 11:50 am (3rd Period)
Tutoring Opportunities: M/T/TH/F from 8:35 am until 9:00 am and Tuesday from 4:30 pm until 5:00 pm.
Class Materials:

Student Materials	Class Materials
• Pencils (no pens allowed in math) • Eraser • Composition Notebook (preferred) or Large Spiral Notebook	• Glue Sticks, Scotch Tape, or Double-Sided Tape • 1 ream of white paper/1 ream colored paper • 1 Box of Tissues • 1 Bottle of Hand Sanitizer

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 at hallen@ems-isd.net. *Advanced Algebra 2 will be using calculators on an EXTREMELY limited basis.*

Access to Canvas and Office365 tools and Pearson (online textbook) is available to students through our Single Sign-on Portal (SSO). Students receive their SSO login during enrollment. If your student needs a textbook for home, please email me. Please note that the textbook is not utilized in this class.

Course Description:
In Advanced 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. ***Extra time is required on the part of Advanced students for class preparation and completion of assignments.***

Course Goals:
Students who complete this course successfully will be able to complete all requirements of Algebra 2 **without the use of a calculator**. This ensures that students fully understand the concepts and can be successful on standardized tests such as the SAT, ACT and TSI.

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%.

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- Official grades will be in Skyward only and can be accessed by student and parent through Family Access.
  Late Work Policy: An assignment may be turned in late with the following penalty:
    - 1 day late – maximum score is 80 (A 100 would record as an 80 (100 x .80)
    - 2 days late – maximum score is 65 (A 100 would record as a 65 (100 x .65)
    - 3 school days late – maximum score of 55 (A 100 would record as a 55 (100 x .55)
    - No late work accepted after 3 school days and a zero is recorded.

Assignments, exams, expectations outside of the classroom:
Students may be required to complete assignments outside of the school day if it is not completed during the day. They will also need to study outside of class for major tests.

Attendance/Tardy Policy/Make-Up Work:
Students will not be allowed in the room after the bell rings without a yellow pass or a tardy pass. Attendance is extremely important in this class as we cover a new topic almost every day. Assignments are available on Canvas and in the daily assignment folder. If a student is absent, they are responsible for completing the missed assignment. Videos covering the lesson may be posted on Canvas for absent students to watch and take notes over. Students will have one day plus the number of days missed to complete the work that was missed when absent. If a student was absent the day of a test, they are expected to come to tutorials to take it.

Classroom Expectations:
- **Cell Phones**. Cell phones are not allowed in class. Cell phones should be silenced and put away. No earbuds allowed either as your complete attention is important to be successful in class.
- **Behavioral expectations.** Students should conduct themselves in a collegial manner with your peers and instructor.
- **Class attendance.** Attendance is critical to the learning in this course. If an absence is expected, then arrangements should be made prior to the absence.
- **Work.** All work must be shown on assignments and tests in order to receive credit.
- **Required Materials.** It is expected that students come to class prepared with at least a pencil, eraser, and their notebook.

Preliminary Schedule of Topics, Readings, and Assignments
1st six weeks- Unit 1 (Functions and Absolute Value)
2nd six weeks- Unit 2 (Systems of Linear Equations and Matrices)
3rd six weeks- Unit 3 (Quadratic Functions and Square Root Functions)
4th six weeks- Unit 5 (Polynomials and Radical Expressions)
5th six weeks- Unit 6 (Cubic, Cube Root, and Rational Functions)
6th six weeks- Unit 4 (Exponential and Logarithmic Functions)

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.