



Algebra 1

Laura Brown

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Conference Period: 2nd Period – 10:05-10:55 pm

Tutoring Opportunities:

- Tues 4:30-5:00 PM
- Wed 4:30-5:00 PM
- Thurs 8:20-8:50 AM

Class Materials:

- Pencils
- 3-ring Binder (not a folder)
- Optional Materials
 - Ruler
 - Highlighter
 - TI-84 Calculator (or download the free app – Calculator84)

Course Description:

In Algebra I, students will build on the knowledge and skills for mathematics in Grades 6-8, which provide a foundation in linear relationships, number and operations, and proportionality. Students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology to collect and explore data and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations. Algebra 1 students are required to pass the State of Texas Assessments of Academic Readiness (STAAR) end-of- course (EOC) Algebra 1 exam to meet part of the graduation requirements.

Course Goals:

Students who complete this course successfully will be able to: Solve multi-step equations with one or more variables, use problem-solving strategies to answer word problems, graph and identify characteristics of linear, quadratic, & exponential functions, write the equation of a line from a verbal description, graph, or table, simplify polynomials using exponent laws, and factor polynomials.

Student Evaluation:

The grading system for this course is as follows:

- Grade averaged: **Major Grades – 60%** **Minor Grades – 40%**
- Major grades – tests (including District Common Assessments, projects, final essays, research papers, presentations, note checks); 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:

You will be required to do daily warm-ups, take and keep good notes, and participate in classwork/activities. Canvas will be used to support learning inside and outside of the classroom. Most assignments will be submitted through Canvas, which will provide instant feedback. You can also use Canvas to find my email address, tutorial times, the syllabus, and much more. If you need help but cannot come to my scheduled tutorial times, please come talk to me – we can work something out.

Attendance/Tardy Policy/Make-Up Work:

Students who are absent will receive the number of days they were absent +1 to get make-up work completed and turned in. You are responsible for collecting your own absent work. There is a blue box in the front of the room labeled “Absent Work”. This is where I will put the work you missed, along with any notes that you may need. Keep the notes and add them to your binder. If there is no work in the blue box for you, please let me know as I may have forgotten.

Classroom Expectations:

- Arrive on time and be prepared to work.
- You will need your binder and a pencil every day. When the bell rings, begin working on the daily warm-up.
- Once you have completed an assignment, submit your answers on Canvas and write your grade in the upper right corner of the page. You have two attempts on Canvas and may correct any wrong answers for full credit.
- I will collect all assignments at the end of class.
- Use school appropriate language for all submissions, discussions, chats, etc.
- Remain seated until the bell rings.

Preliminary Schedule of Topics, Readings, and Assignments

Unit 1: Solving multi-step equations and inequalities with one variable, functions, **Unit 2:** Write and graph linear functions from a table, word problem, or list of ordered pairs, **Unit 3:** Solve and graph systems of equations, linear inequalities, and systems of linear inequalities, **Unit 4:** Exponents and Factoring, **Unit 5:** Quadratics, **Unit 6:** Exponential 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.