Algebra I Pre-AP Instructional Plan

Course Overview

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.

Throughout the year, students will:

- Interactive Notebooks: Used for vocabulary, notes, independent practice and reflections
- StemScopes: In class and at home work
- Collaborative Learning: Group activities, peer discussion, and cooperative lab work
- Spiraling Review: Reinforcement of previously taught standards across the year

Contact Information

Teacher Name: Debbie Hammond
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Phone: 432-240-2600

Classroom Expectations

Our classroom is a safe learning place, which encourages teamwork, positive feedback, and academic achievement. All students will be respectful to others. We will be good listeners to the teacher and to other's ideas. All students will be hard working contributors in the process of getting their education in order to be successful and reach their full potential.

Expectation 1: Be prepared with supplies

- Prioritize attendance
- Be ready to learn everyday

Expectation 2: Participate actively and take responsibility for your learning

- Complete all assigned tasks
- Engage in class discussions, writing tasks, labs, and learning opportunities
- Complete work on time

Expectation 3: Be safe

- Handle lab equipment and materials with care
- Walk at all times
- Report problems to an adult

Positive reinforcement and clear routines will help students learn and meet these expectations. If expectations are not met, the teacher will first reteach and remind the student(s) of expectations. If a student continues to fail to meet expectations, they will be redirected, then parents will be contacted. If a student is unable to meet expectations after these preventative measures, an office referral will be made.

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Attendance Policy & Its Importance

Regular attendance is vital to your child's academic development. Algebra I is an important year in mathematics - this year lays the foundation for future mathematics courses. When students attend daily, they stay current with new skills, deepening their knowledge, develop thinking skills, and practice important habits that support lifelong learning.

Please notify the school if your child will be absent. Frequent or extended absences may make it more difficult for your child to learn necessary foundational skills that ensure student success this year and in future school years.

Learning Objectives

By the end of the course, students will have developed mathematical skills such as:

- Linear Function characteristics using equations, inequalities, tables, and graphs
- Quadratic Function characteristics using equations, inequalities, tables, and graphs
- Exponential Function characteristics using equations, inequalities, tables, and graphs
- Number and Algebraic Methods: of polynomial expressions; to rewrite algebraic expressions into equivalent forms; and to write, solve, analyze and evaluate equations, relations and functions

Course Resources

- Chromebook (provided by Midland ISD)
- Journals and writing utensils (part of the school supply list)
- StemScopes (Accelerated Learning)
- TI-84+ C (provided by Midland ISD for use in class)

Grading Policy

According to Midland ISD Grading Policy:
Major assignments - 60% Minor assignments - 40%
Semester exams count as 15% toward the final semester grade

Supplies Needed

- 2 composition books (1 for fall and 1 for spring)
- 1 folder with brads and pockets
- Pencils, highlighters
- 1 Tissue (for classroom use)
- 1 package of index cards (3x5 or 4x6 for classroom use)
- 1 package of notebook paper (for classroom use)
- Chromebook insurance

Please feel free to reach out with any questions or concerns. We are excited to work together to make this a successful year of learning!

Please fill out the form on this QR code to acknowledge that you have read and understand the expectations in Algebra I Pre-AP. Parents/Guardians agree to contact the teacher should they have any questions or concerns regarding this instructional plan.