



Algebra 1 PreAP Instructional Plan: Semester 1

Course Overview

This course addresses all Algebra I Texas Essential Knowledge and Skills (TEKS) and provides the foundation for advanced mathematics courses in high school. The course focuses on algebraic thinking and symbolic reasoning that can be used to generalize mathematical situations; the relationship between equations and functions, and function concepts; representations, tools, and technology for expressing functions; and equations and the underlying mathematical processes of Algebra.

Contact Information

Teacher Name: Ms. Fallon D. Carty

Email: fallon.carty@midlandisd.net

Phone: (432) 240-5000

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.

- Be seated and ready to go with materials when class starts
- Be RESPECTFUL and ENCOURAGING to everyone in the classroom
- Follow all school rules and policies
- No food and drinks unless stated otherwise
- ALWAYS TRY!

Required Materials:

- Fully charged Chromebook
- Binder for Guided Notes WITH all notes given throughout the year
- Pencils, pens, and highlighters
- Graph or lined paper (loose)

Attendance Policy & Its Importance

It is the student's responsibility to see me for makeup work. For every day of school the student misses, they will have the same amount of days to make up the work. If a student misses a test or quiz, they will have **one** week to come to tutorials to make up the test/quiz.

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.



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Learning Objectives

By the end of this semester, students will be able to solve problems based on the following units:

Unit 1: Equations & Inequalities

- Simplifying Expressions with and without Distributive Property
- Solving Equations
- Solving and Graphing Linear Inequalities
- Literal Equations

Unit 2: Properties of Functions

- Identify, Evaluate, and Graph Functions
- Find & Apply Domain & Range

Unit 3: Linear Functions

- Slope and Rate of Change
- Slope-Intercept, Point-Slope, and Standard Forms
- Arithmetic Sequences
- Graphing Linear Equations and Linear Inequalities
- Writing Linear Inequalities

Unit 4: Applying Linear Relationships

- Direct Variation

- Equations of Parallel and Perpendicular Lines
- Transformations of Linear Functions
- Scatter Plots and Association and Predictions

Unit 5: Systems

- Introduction to Systems of Equations
- Solving Systems by Graphing, Substitution, and Elimination
- Writing, Applying, & Graphing Systems of Equations

Unit 6: Exponents and Polynomials

- Properties of Exponents: Multiplication and Division
- Rational Exponents
- Adding, Subtracting, and Multiplying Polynomials
- Special Products of Binomials

Course Resources

- Eduphoria , Get More Math, Canvas, Google Classroom

Grading Policy

Major (60%): Test and Quizzes

-Test: **Students are expected to show up to the test with their review finished.** They will only be allowed their calculator and scratch paper on the test. **Students MUST attempt every problem.** Test retakes are always scheduled for the following class day for ALL students scoring less than a 90% (students who earn a 90% or above may elect to take the retake as well; otherwise they will complete an enrichment assignment for extra credit on top of their test score).

–Quizzes: Quizzes are open notes and are given on the last instructional day of each unit. Students may use their written notes **ONLY** to complete the quiz. Retakes may be scheduled the following week, but can only receive a max score of 75%.



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Minor (40%): Get More Math and Notes.

My classroom is “flipped,” so students will watch videos and fill in guided notes as their homework. In class, we will use the notes to work on practice problems on Get More Math. Any assignment not completed during class will need to be completed as homework. In addition, students are expected to complete a minimum of 50 points on Get More Math each week, due by midnight on Friday. **Students will not be allowed to complete GMM late.** Students may complete more than 50 points each week for extra credit. The points earned by completing the practice assignments in class count towards each week’s total.

Late Work Policy: As per the MISD late work policy:

Any work not received by the assigned due dates will be graded as follows:

- 1 day late- maximum grade possible is 90
- 2 days late- maximum grade possible is 80
- 3-5 days late- maximum grade possible is 70
- After 5 days, late work will not be accepted

Cheating: Cheating will not be tolerated and will result in parents and administration being notified. Consequences will be determined by the severity of the situation.

Tutorials: I have tutorials most days after school. If your student has below a 75%, they will be required to attend tutorials on Mondays from 3:50 -4:30 pm. In Danger of Failing notices will be sent home weekly for students with grades below 75% and must be signed and returned by the next class.

School-wide System of Communication

Algebra 1 students and guardians will receive a weekly email. This email will cover what we are learning, assignment due dates, and any other important information.

Additionally, students will be added to my Algebra Remind class. This is the most direct way to contact me with any questions or if they need help with their homework.

MISD Personal Devices Policy, per Texas State Law:

Students shall not use a personal telecommunications device, including, but not limited to, a cell phone and wearable technology such as the Apple Watch, smartwatches, fitness watches, paging device, radio device, or any device capable of receiving notifications or facilitating communication on school property during the school day. A student’s personal telecommunications device shall be left at home or turned completely off and stored in a backpack for the entirety of the school day. There is no warning to this policy. If the device is

seen or heard on MISD campuses, it will be taken to the office and picked up by the end of the day after the student and/or parent pay a fee. More offenses lead to ISS and other consequences.

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!



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