



[Grade Level/Course] Instructional Plan: [First] Semester

Course Overview

Welcome to Algebraic reasoning.

Algebraic Reasoning is a high school mathematics course that builds on concepts from Algebra I to deepen understanding of patterns, relationships, and multiple types of functions. It emphasizes analyzing, representing, and comparing functions such as linear, quadratic, exponential, and more, using tables, graphs, equations, and verbal descriptions. Students apply mathematical process standards to model and solve real-world problems, often using tools like technology and spreadsheets. The course fosters problem-solving, logical reasoning, and clear mathematical communication. By integrating algebraic concepts with practical applications, it prepares students for advanced math, college, careers, and informed decision-making.

Contact Information

Teacher Name: Sridevi Jasti

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Classroom Expectations

1. **Be Respectful** – Treat yourself, others, and school property with kindness and consideration.
2. **Be Responsible** – Come prepared, follow directions the first time, and take ownership of your actions.
3. **Be Ready to Learn** – Arrive on time, bring all necessary materials, and be mentally prepared to engage in lessons.
4. **Actively participate** – Ask questions, join discussions, and complete assignments on time.
5. **Work collaboratively and independently** – Contribute in group work and take initiative when working alone.
6. **Respect learning time** – Minimize side conversations and distractions.

Students Will Learn These Expectations by

- **First week routines** – Direct instruction, modeling
- **Anchor charts** – Posted reminders for behavior, participation, and procedures.
- **Ongoing reinforcement** – Regular verbal reminders
- **Practice opportunities** – Students will practice entering the room, transitioning between tasks, and using materials appropriately.



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Attendance Policy & Its Importance

To receive credit or a final grade in a class, a student must attend the class at least 90 percent of the days it is offered. A student who attends at least 75 percent, but fewer than 90 percent of the days, may receive credit or a final grade if he or she completes a plan, approved by the principal

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 first semester, students will be able to:

- Pattern Recognition
- Function Classification (linear, quadratic, cubic, or exponential)
- Model Creation from Tables
- Real-World Data Modeling
- Connecting Mathematical Processes to Function Attributes
- Analyze and Compare Function Attributes
- Work with Inverse Functions
- Combine Functions
- Function Building and Analysis
- Connect Representations
- Polynomial Division and Factoring
- Estimate and Solve Quadratic, Rational, and Exponential Functions.
- Represent Domain and Range
- Modeling Real World Data with Linear, Quadratic and Exponential functions

Course Resources

Students will be using online platforms such as Khan Academy, Google Classroom, and Delta Math.

Grading Policy

According to Midland ISD Grading Policy:

Grading:	Major Assignments	60%
	(Tests and Major Projects)	
	Minor Assignments	40%
	(Warm ups, classwork, quizzes, homework)	

Homework Grades:

Homework assignments are an opportunity for students to practice the math skills students learn during class and to learn from their mistakes. Homework will be checked for completion and be recorded in the Practice category.



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Late Work:

As MISD policy states, all late work (assignments that must be completed outside of class) will be deducted 10 points each day up to three school days.

1 day late = - 10 points

3 days late = - 30 points

5 days late = - 30 points

2 days late = - 20 points

4 days late = - 30 points

On the sixth school day, late assignments will not be accepted and will receive a grade of **zero**. If a student has an extenuating situation you need to contact your teacher to request an extension.

Any late work will be updated and inputted on Skyward by the grade check points of the 3rd and 6th six weeks. **The only way for grades to be recorded on time is for the work to be turned in on time.**

Make-Up Work:

Make-up work is the **student's** responsibility. The student will have one school day for each day he/she is absent to turn in work. If an assignment is turned in after the extra day, all late grading policies apply. If a test is missed the student will be expected to schedule the date (within two days) to retake the make-up test the day he/she returns to class.

Retest and corrections/redo Policy:

Upon notification of a major test grade, if the student failed (**less than 70**), he/she may submit a "Request to Retest" form. The student must complete everything in the request in order to retest. The "Request to Retest" is an opportunity to change a failing test grade to a maximum of 75, this DOES NOT replace missing tests.

Academic Dishonesty - Students are expected to do their own work. If a student is caught cheating then they will be given one opportunity to redo the assignment. If the student is caught cheating again a zero will be given without the opportunity to redo. Work generated by Photomath or any other AI platform is considered academic dishonesty. All homework/assignments and tests are subject to be verbally evaluated and reviewed by the teacher with the student.

Cell Phones & Electronics:

- Students may not use personal devices such as cell phones, smartwatches (Apple Watch, FitBit, etc.), or any device that can receive notifications or be used to communicate during the school day.
- Devices must be left at home or turned off and kept in a backpack for the entire school day.
- Exceptions may be made in special situations, following school rules and laws.



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Class Supplies

- 3 ring binder
- Pencils
- 1 Glusticks
- Notebook paper

School-wide System of Communication

Email is my preferred method of contact, simply because it's the fastest way to communicate. MHS phone numbers (432) 240-3000 (432) 251-0435

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 portion below and return this portion to your teacher.

We acknowledge that we have read and that we understand the expectations in [grade level or course]. We agree to contact the teacher should we have any questions or concerns regarding this instructional plan.

Parent Name: _____

Student Name: _____

Cell Phone Number: _____

E-Mail: _____

Parent Signature : _____

Student Signature: _____

Date: _____