

## Algebraic Reasoning Instructional Plan 2025-2026

Dear Parents and Guardians,

Welcome to Algebraic Reasoning at LDHS! This syllabus outlines the course plan for your child's class this semester, including key topics, expectations, and how you can support their success. As required by Texas law (Senate Bill 12), this document serves as the instructional plan and is available for your review. I look forward to working with you and your child!

### Contact Information

- **Teacher:** Courtney Guthrie
- **Email:** cguthrie@ldisd.net
- **Conference Time:** 1:25 - 2:10
- **Best Way to Reach Me:** Email or call the school office. I'll respond within 24 hours on school days.

Semester 1 Plan:

#### Unit 0: Pre-Algebra Foundations

- Learning objectives:
  - Students can add, subtract, multiply, and divide integers; combine like terms; use order of operations and the distributive property to simplify expressions
- Activities:
  - Choice board that includes worksheets, blookets, poster creation, quiz

#### Unit 1: Solving Equations

- Learning objectives:
  - Students can find least common multiple and greatest common factor; solve one, two, and multi-step equations and inequalities.
- Activities:
  - Skills practice worksheets, battleship activity, classroom scavenger hunt, review, test

#### Unit 2: Functions

- Learning objectives:
  - Students can identify, evaluate, and graph functions, and find and apply domain and range.
- Activities:
  - Skills practice worksheets, group game activity, quiz, test

#### Unit 3: Slope-Intercept, Point-Slope, and Standard Form

- Learning objectives:
  - Students can find slope, identify parts of an equation, and write equations in slope-intercept, point-slope, and standard form; students can graph functions written in each form.
- Activities:
  - Skills practice worksheets, classroom scavenger hunt, error analysis activity, reviews, quiz, test

Thank you for supporting your child's education! Feel free to contact me with questions.

Sincerely,  
Courtney Guthrie