

Celina ISD Mathematics Board Update

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District Math Specialist



The Learner Experience

Love the learner; drive the rigor
Responsible for one's own learning
Interdependent self-managers



Established formal and informal feedback loops intended to enhance transparency, foster a sense of ownership and responsibility, and contribute to the achievement of our goals.

"Minimum of one year's growth."

Systems · Structure · Scaffolding · Accountability

LEARNING
OBJECTIVE

LEARNING
ENVIRONMENT

EVERY LESSON.
EVERY DAY.

INSTRUCTIONAL
DESIGN

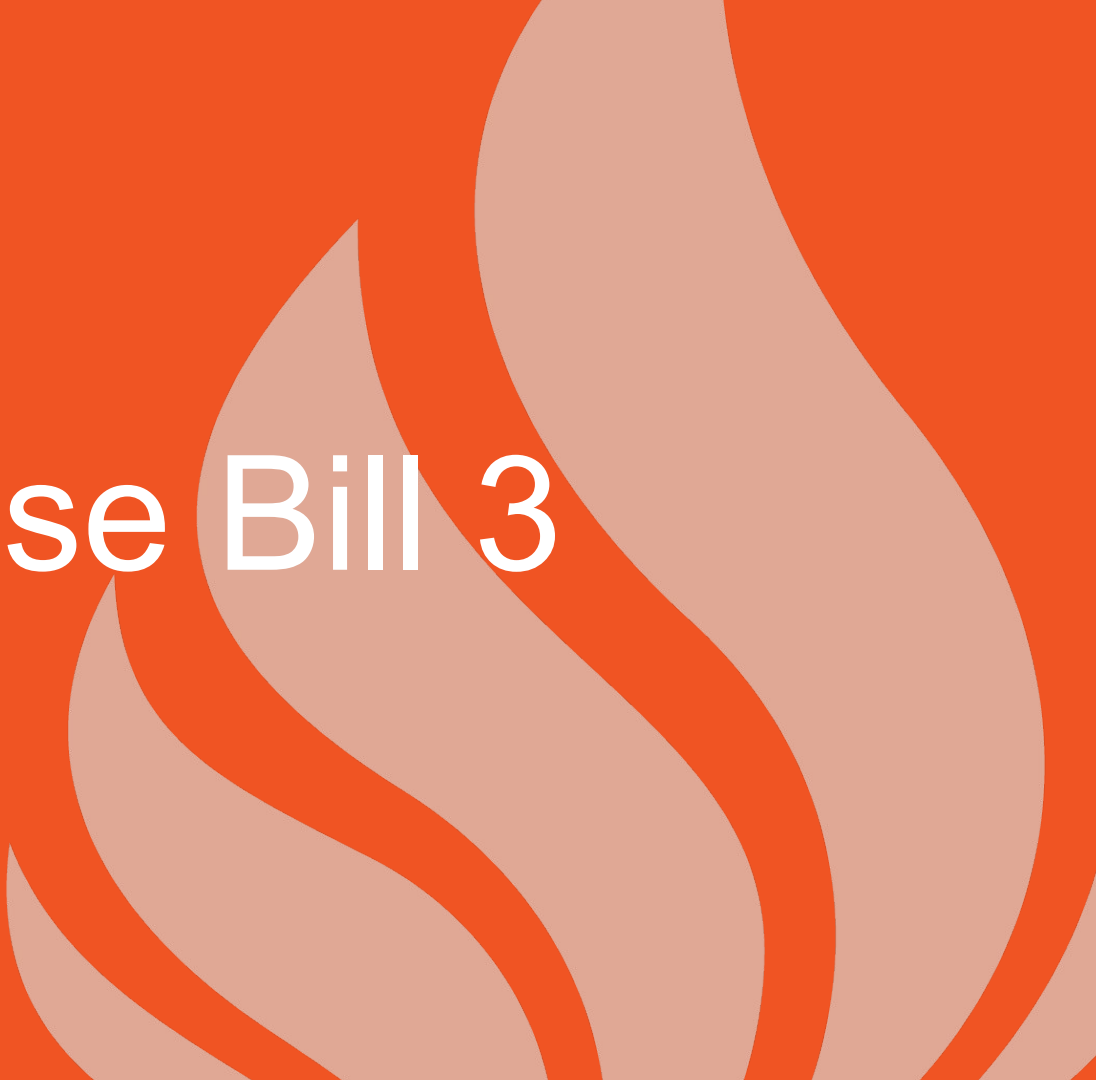
REFLECTION

Agenda

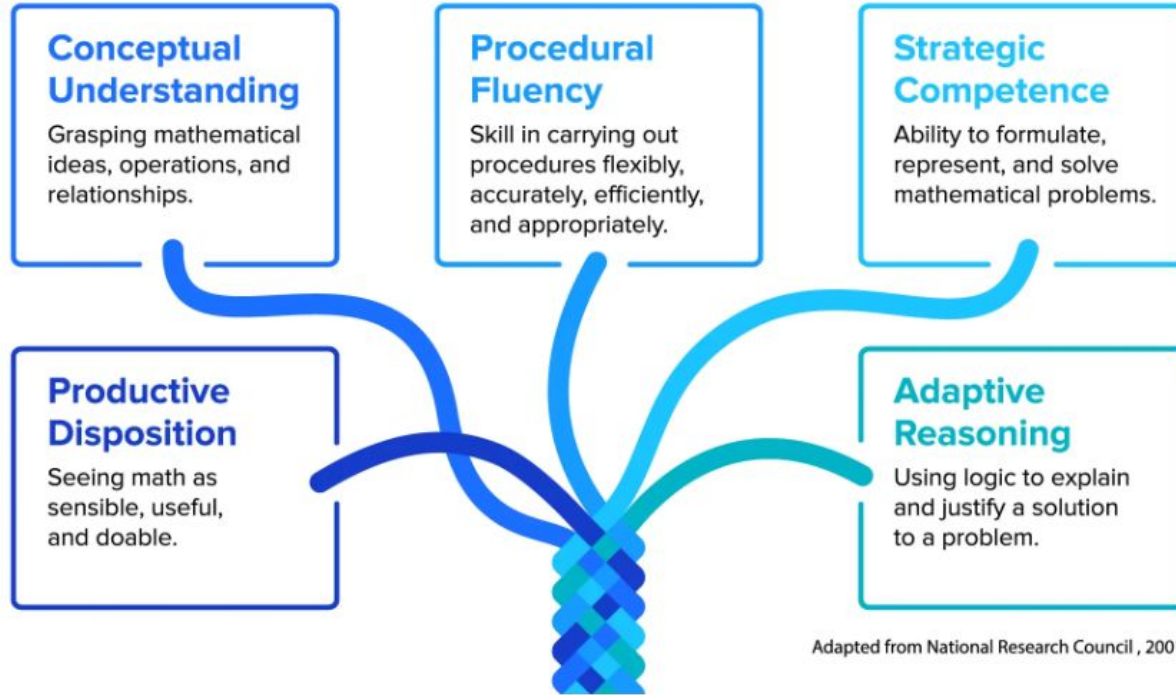
- **House Bill 3 - Mathematics Proficiency Plan**
 - Texas Mathematics Achievement Academies
 - Implementation of Building Thinking Classrooms
 - Provision of High Quality Instructional Materials
- **Secondary Mathematics**
 - Math Pathways
 - Advanced Math Enrollment



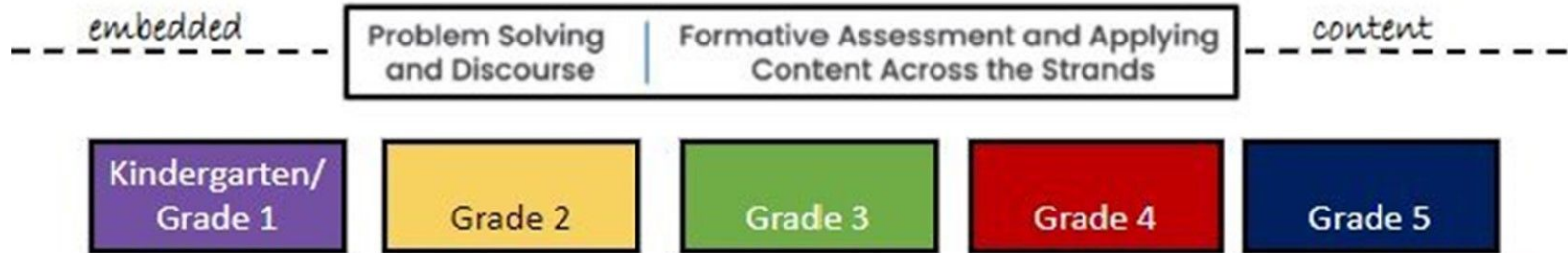
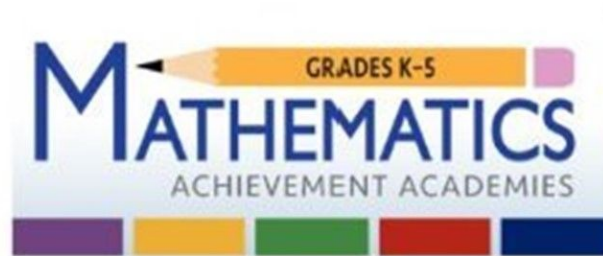
House Bill 3

A stylized graphic of flames in shades of orange and light beige, positioned on the right side of the image, partially overlapping the text.

Mathematical Proficiency



High-Quality Math Instruction



Math Achievement Academies

- Summer of 2024
 - Multiple teachers attended representing multiple grade levels and campuses
- Summer of 2025
 - Math Academy attendance is encouraged
 - Offered in multiple locations
- Transfer of Learning to the Classroom
 - Implementation of learning progressions from Math Academies
 - Support application and transfer to classroom instruction
 - Connect Conceptual Understanding to Procedural fluency



BUILDING THINKING CLASSROOMS in MATHEMATICS

GRADES K-12

14 TEACHING
PRACTICES
FOR ENHANCING
LEARNING



PETER LILJEDAHL

FOREWORD BY TRACY JOHNSTON ZAGER
ILLUSTRATIONS BY LAURA WHEELER

CORWIN Mathematics

High-Quality Math Instruction

14 Instructional Practices that Engage Students in:

- High-Level Thinking
- Analyzing
- Problem Solving
- Developing Strategies
- Discourse
- Productive Disposition
- Deep Understanding
- Adaptive Reasoning

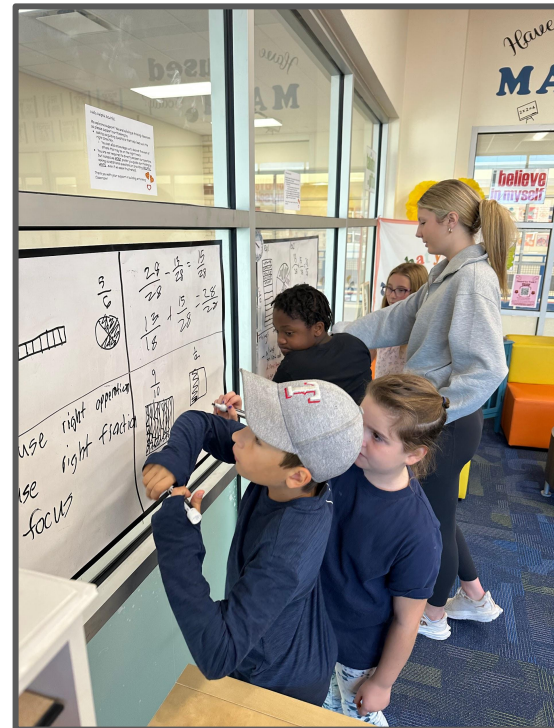
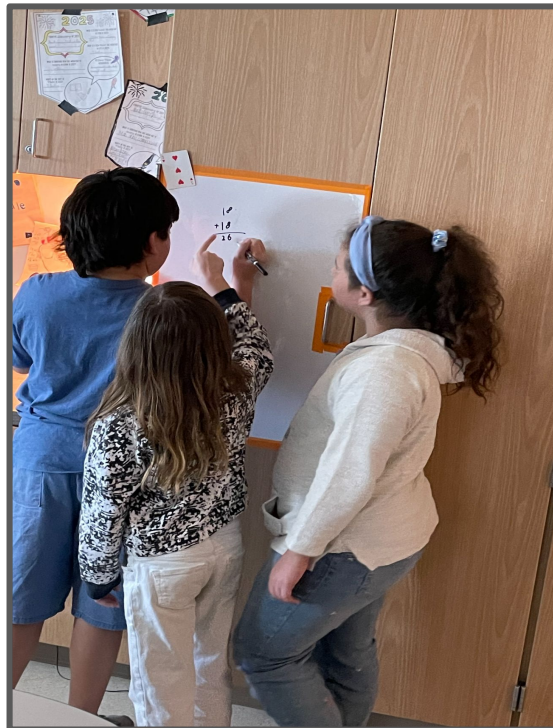
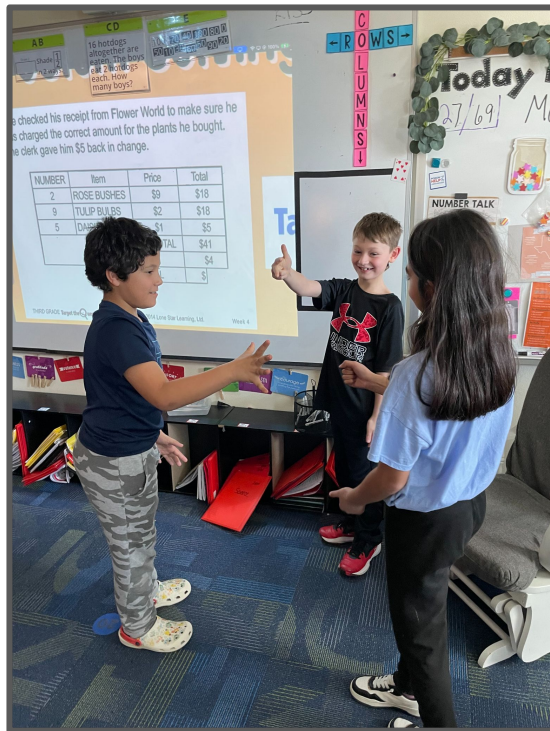


Building Thinking Classrooms

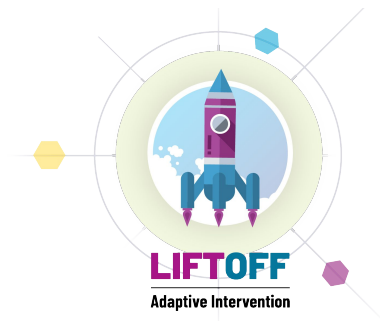
- 2023-2024
 - Professional Learning: Region 10 and District
- 2024-2025
 - Professional Learning: Region 10, District, Book Studies
 - Multiple teachers attended the Building Thinking Conference conference with Peter Liljedahl at Region 10
- 2025-2026
 - Summer Book Study
 - Building Thinking Classrooms Conference with Peter Liljedahl at Region 10
 - Region 10 provided sessions
 - Teacher led PD sessions on district professional learning days



Building Thinking Classrooms in Action



High-Quality Instructional Materials



TIER 1 Instruction

- New Adopted Resource
- Problem Based lesson structure
- Instructional routines that promote interaction & discourse
- Supports for all learners

Supplemental - TIERS 1 & 2

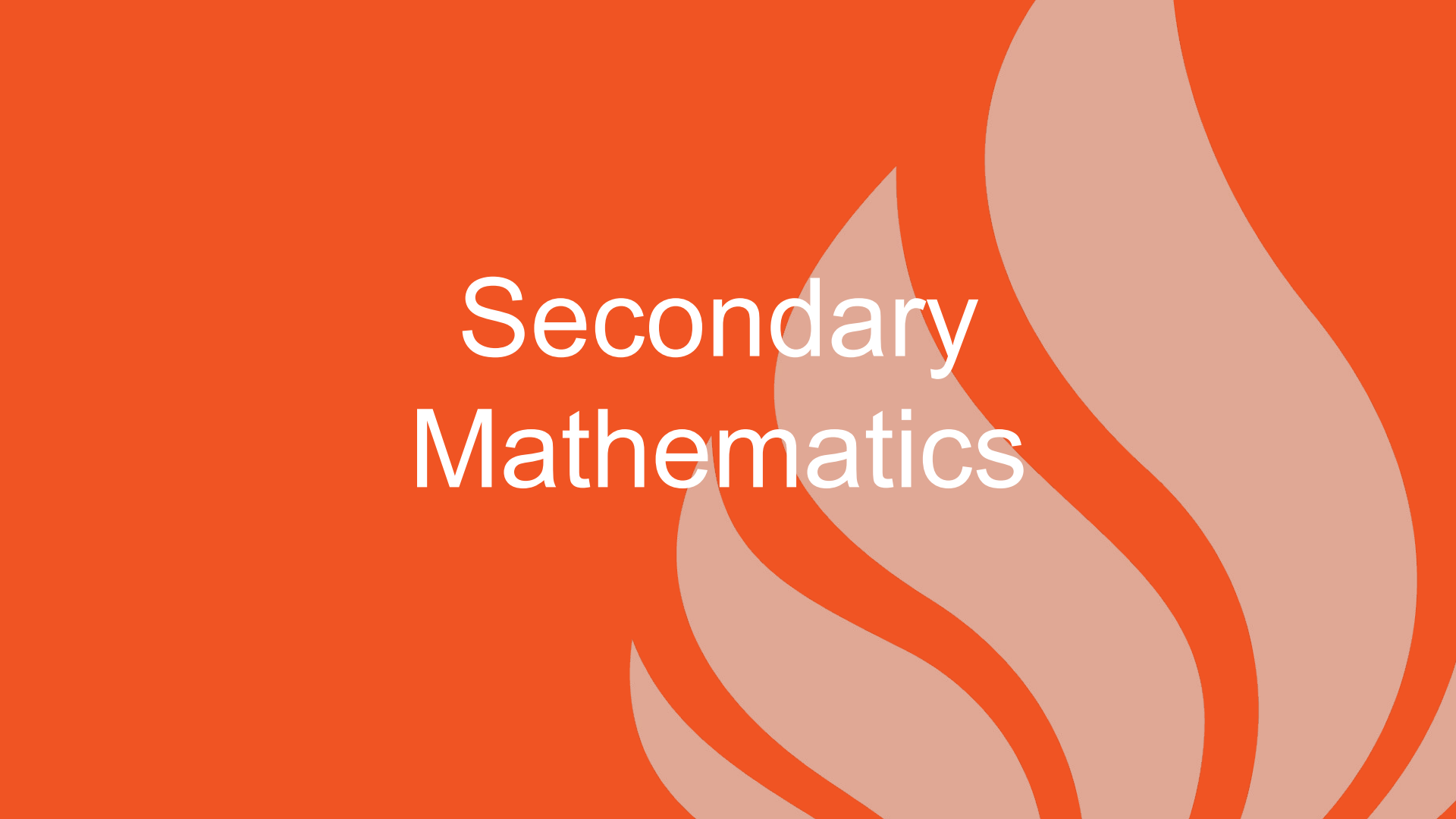
- Interactive learning
- Independent Practice
- Tailored learning pathways to address student specific learning needs

Intervention - TIERS 2 & 3

- Addresses Academic gaps
- Tailored solutions that adapt to each student's needs.
- Exposure to complex problem-solving



Secondary Mathematics

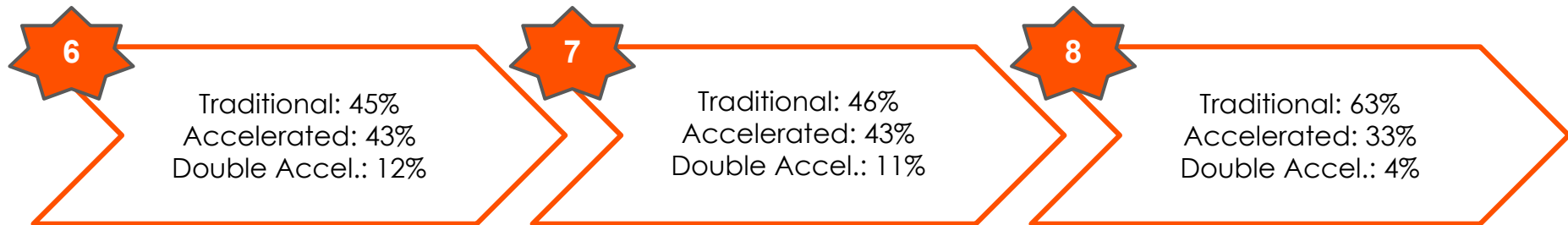
The background of the slide features a solid orange color. Overlaid on this are several large, flowing, organic shapes in a lighter, peachy-beige tone. These shapes are layered and curved, creating a sense of movement and depth, reminiscent of stylized flames or liquid waves.

Secondary Math Overview

- Alignment of Pathways 6th-12th Grade
- Advanced Math Pathways begin in 6th Grade
- HB 2124 - auto enrollment in advanced math in 6th grade
- Advanced Placement Courses
 - Precalculus
 - Statistics
 - Calculus AB
 - Calculus BC



Secondary Math Pathways: Middle School



Secondary Math Pathways: High School

9

Traditional: 56%
Honors: 15%
Accelerated: 29%

10

Traditional: 52%
Honors: 12.9%
Accelerated: 29%
Advanced Placement: 5%

11

Traditional: 48%
Honors: 7%
Dual Credit: 3.5%
Advanced Placement: 20%

12

Traditional: 61%
Dual: 12.8%
Advanced Placement: 21%







thank
you!