# TTSD K-5 Mathematics Best Practices

## In Tigard-Tualatin School District, we believe quality mathematics instruction is characterized by…

### An environment that…

- Is culturally responsive, inclusive and affirming of all students.
- Instills perseverance, confidence, productive struggle, and growth mindset to foster a positive student self-concept.
- Values process over product.
- Is student-centered and teaches students to advocate for themselves.

### A curriculum that…

- Is closely and explicitly aligned to state standards (including Standards for Mathematical Practices) and includes a thoughtful and cohesive scope and sequence that ties new learning to prior content and future connections.
- Provides scaffolds to grade-level content through multiple entry points (low floor-high ceiling tasks)
- Includes different instructional components that support students at their rate and level (ELD supports, intervention supports, small group instruction, etc.)
- Is spiraled and provides multiple opportunities to develop & demonstrate mastery, including the progression from concrete to representational to abstract.
- Is student-centered & engaging with multiple opportunities for students to construct meaning (games, manipulatives, peer-to-peer activities, group tasks, etc.)
- Supports student productive struggle through purposeful questions and meaningful, collaborative discourse.
- Includes Spanish components for all parts of the curriculum.
- Includes digital access that is rigorous, interesting, and accessible (i.e. math understanding, platform, and hardware) and includes multiple ways for students to access and engage in the math and more than one way to show their learning.

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## Instructional practices that…

- Center around high level, authentic, accessible tasks that engage and support students by giving them the opportunity for real world problem solving.
- Embeds a differentiated approach (including multiple representations and entry points, scaffolds, and extensions) for students to access the math. There are a variety of ways for student practice, including hands-on opportunities throughout.
- Engages all learners through a variety of interactive strategies (i.e. small groups, collaborative conversations, math talk, technology).
- Mathematical discourse prompts and activities are embedded intentionally to support student understanding.

## Assessment practices that…

- Identifies various levels of proficiency that are aligned with standards for all students and provides meaningful support materials and feedback.
- Includes multiple/varied assessment opportunities (conceptual understanding, connecting reasoning and sense-making, modeling, etc) that are accessible and authentic.
- Provide formative feedback to students and teachers that is useful and informs instruction on an ongoing basis.