



## SVUSD Math Curriculum Grade 5 Unit 0 Overview (2023-2024)

### Unit 0: Establishing an Effective Math Community Culture

#### Unit Rationale

This unit is designed to engage students in routines that establish year-long expectations for actively participating in mathematical learning. The purpose is to send the message to students that math is fun and interesting, while encouraging a growth mindset and equitable participation. The focus is on routines and discourse that carry over to other subjects, allowing students to be effective partners and mathematicians.

#### Implementation Tips

- **This Unit 0 incorporates Imagine Learning Unit 1 Lessons 1 and 2. Following the completion of Unit 0, 5th grade teachers can start with Imagine Learning Unit 1 Lesson 3.**
- Refer back to the artifacts from this unit throughout the year, and reteach expectations as needed.
- Include PBIS (MTSS SEB) connections while implementing the unit.
- As much as possible, refer to how each routine or structure connects to similar expectations throughout the entire school day.

#### Success Criteria

Students will be successful in this unit if they can:

- Share their math thinking with a partner
- Listen to and consider a partner's math thinking
- Work on math as part of a team
- Believe in their math abilities and potential growth
- Use math materials and technology appropriately.

#### PBIS (MTSS SEB) Connections

Our school expectations for students are: 1. 2. 3.	Ideas for Recognition: <ul style="list-style-type: none"><li>• Specific Verbal Praise</li><li>• Pass out PBIS(SEB) tickets</li><li>• Use student's positive behavior as an exemplar model</li></ul>	Ideas for Intervention: <ul style="list-style-type: none"><li>• Reteach expected behavior (class, small group, individual)</li><li>• 1:1 quiet redirection</li><li>• Ask if they need support quietly</li></ul>
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4. 5.		<ul style="list-style-type: none"> <li>• Pair with a partner who is successful</li> <li>• For disengagement: ask to be a helper, use proximity, call on student more frequently after lowering the rigor, give praise for small wins</li> </ul>
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## Unit 0: Lesson Sequence (Mathematical Mindset)

	<b>Lesson Objective</b>	<b>Connection to PBIS (MTSS SEB) Expectations</b>	<b>Routines to Introduce</b>	<b>Resources &amp; Materials</b>
<b>Lesson 1</b>	Students will consider the traits of a mathematician, and learn routines to use to engage in sharing math ideas with a partner.		<ul style="list-style-type: none"> <li>• Partner Talk using the <b>Rally Robin</b> and <b>Timed Pair Share</b> engagement routines</li> <li>• Notice/Wonder instructional routine</li> </ul>	<a href="#">Unit 0 Lesson 1 Slide Deck</a>
<b>Lesson 2</b>	Students will consider the traits of a math community, and learn more routines to use to engage in sharing math ideas with a partner.		<ul style="list-style-type: none"> <li>• Partner Talk using the <b>Lines of Communication</b> and <b>Stand Up Hand Up Pair Up</b> engagement routines</li> <li>• Which One Doesn't Belong? instructional routine</li> <li>• Centers</li> </ul>	<a href="#">Unit 0 Lesson 2 Slide Deck</a> Imagine Learning <a href="#">G5 Math Unit 0 Lesson 2</a> Unit 1 Lesson 1 Warm-Up & Inspire Math Video
<b>Lesson 3</b>	Students will participate in math volume activities, and practice previously learned routines to use to engage in sharing math ideas with a partner.		<ul style="list-style-type: none"> <li>• Choosing a Center</li> <li>• Completing a Cool Down with a 5-minute timer</li> </ul>	<a href="#">Unit 0 Lesson 3 Slide Deck</a> Imagine Learning Unit 1 Lesson 1 Activity 1 and Activity 2

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<b>Lesson 4</b>	Students will participate in math volume activities, and learn routines to use to engage in sharing math ideas with a small team.		<ul style="list-style-type: none"><li>• Team Talk using the <b>Round Robin</b> and <b>Timed Round Robin</b> engagement routines (with a <a href="#">collaborative learning mat</a>)</li></ul>	<a href="#">Unit 0 Lesson 4 Slide Deck</a> Imagine Learning Unit 1 Lesson 2 Warm-Up & Activity 1 ST Math <a href="#">Collaborative Learning Mats</a> (optional, but highly recommended)
<b>Lesson 5</b>	Students will participate in math volume activities, and learn more routines to use to engage in sharing math ideas with a small team.		<ul style="list-style-type: none"><li>• Team Talk using the <b>Numbered Heads Together</b> engagement routine (with a collaborative learning mat)</li><li>• Center Rotations, including an ST Math option</li></ul>	<a href="#">Unit 0 Lesson 5 Slide Deck</a> Imagine Learning Unit 1 Lesson 2 Activity 2 <a href="#">Collaborative Learning Mats</a> (optional, but highly recommended)
<b>Now proceed to teaching Imagine Learning Unit 1 Lesson 3.</b>				
<p>This week has focused on building your math community and incorporating some collaborative structures and routines. These classroom norms should be revisited on a daily basis and expectations for partner work and group work should be reviewed on a daily basis throughout the year. Reach out to your instructional coach or Math ToSA for support with these routines and/or ideas for later in the year.</p>				