



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

Unit 0: Establishing an Effective Math Community Culture

Unit Rationale		
<p>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.</p>		
Implementation Tips		
<ul style="list-style-type: none"> • 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		
<p>Students will be successful in this unit if they can:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Share their math thinking with a partner <input type="checkbox"/> Listen to and consider a partner's math thinking <input type="checkbox"/> Work on math as part of a team <input type="checkbox"/> Believe in their math abilities and potential growth <input type="checkbox"/> Use math materials and technology appropriately. 		
PBIS (MTSS SEB) Connections		
<p>Our school expectations for students are:</p> <ol style="list-style-type: none"> 1. 2. 3. 	<p>Ideas for Recognition:</p> <ul style="list-style-type: none"> • Specific Verbal Praise • Pass out PBIS(SEB) tickets • Use student's positive behavior as an exemplar model 	<p>Ideas for Intervention:</p> <ul style="list-style-type: none"> • Reteach expected behavior (class, small group, individual) • 1:1 quiet redirection • Ask if they need support quietly

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4. 5.		<ul style="list-style-type: none"> • Pair with a partner who is successful • For disengagement: ask to be a helper, use proximity, call on student more frequently after lowering the rigor, give praise for small wins
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Unit 0: Lesson Sequence (Mathematical Mindset)

	Lesson Objective	Connection to PBIS (MTSS SEB) Expectations	Routines to Introduce	Resources & Materials
Lesson 1	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"> • Partner Talk using the Rally Robin and Timed Pair Share engagement routines • Notice/Wonder instructional routine 	Unit 0 Lesson 1 Slide Deck
Lesson 2	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"> • Partner Talk using the Lines of Communication and Stand Up Hand Up Pair Up engagement routines • Which One Doesn't Belong? instructional routine • Centers 	Unit 0 Lesson 2 Slide Deck Imagine Learning G5 Math Unit 0 Lesson 2 Unit 1 Lesson 1 Warm-Up & Inspire Math Video
Lesson 3	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"> • Choosing a Center • Completing a Cool Down with a 5-minute timer 	Unit 0 Lesson 3 Slide Deck Imagine Learning Unit 1 Lesson 1 Activity 1 and Activity 2

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Lesson 4	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"> Team Talk using the Round Robin and Timed Round Robin engagement routines (with a collaborative learning mat) 	Unit 0 Lesson 4 Slide Deck Imagine Learning Unit 1 Lesson 2 Warm-Up & Activity 1 ST Math Collaborative Learning Mats (optional, but highly recommended)
Lesson 5	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"> Team Talk using the Numbered Heads Together engagement routine (with a collaborative learning mat) Center Rotations, including an ST Math option 	Unit 0 Lesson 5 Slide Deck Imagine Learning Unit 1 Lesson 2 Activity 2 Collaborative Learning Mats (optional, but highly recommended)
Now proceed to teaching Imagine Learning Unit 1 Lesson 3.				
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.				