



ST Math[®]

Summer Immersion

Administrator Walkthrough

Use this document to monitor the implementation of your ST Math Summer Immersion program. The document is divided into three sections: (1) Learning Environment, (2) Student/Teacher Interactions, and (3) Accountability.

The look-fors provide a quick checklist to support a successful implementation. All instructional resources can be found on the ST Math Summer Immersion curriculum site. Included in this walkthrough document are suggested strategies for using the curriculum, resources, & related materials to support implementation.

Learning Environment

Look-fors	Instructional Resources Available	Notes
<ul style="list-style-type: none"> <input type="checkbox"/> Math tools/resources readily available. <input type="checkbox"/> Evidence of Instructional Stations (e.g., ST Math Station, Table Games Station, Small Group Stations, Design Challenge Station*). <p><i>*For 5-Day Summer Immersion</i></p>	<ul style="list-style-type: none"> <input type="checkbox"/> Teacher Guide <input type="checkbox"/> Teacher Planner <input type="checkbox"/> Instructional Stations Overview <input type="checkbox"/> Design Challenge Station Guide* <p><i>*For 5-Day Summer Immersion</i></p>	
Suggested Strategies for Developing a Math Community		
<ul style="list-style-type: none"> <input type="checkbox"/> Prepare relevant resources such as game mats, math mats and manipulatives before delivering the Puzzle Talk. <input type="checkbox"/> Review the lesson plan (especially the section: “how does the student”) to anticipate questions you may want to ask to promote a rich discussion. <input type="checkbox"/> Provide opportunities for students to share their ideas. (See the engagement strategies in the Teacher Guide for support.) <input type="checkbox"/> Take opportunities to explore student ideas (correct/incorrect) that will further math understanding. 		



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Student/Teacher Interactions

Look-fors	Instructional Resources Available	Notes
<ul style="list-style-type: none"><input type="checkbox"/> Student-to-student discourse.<input type="checkbox"/> Evidence of the Problem Solving Process.<input type="checkbox"/> Teacher facilitates student thinking.<input type="checkbox"/> Various students sharing strategies.<input type="checkbox"/> Math connections are being made.<input type="checkbox"/> Testing different strategies and analyzing feedback.	<ul style="list-style-type: none"><input type="checkbox"/> Teacher Facilitation Bookmark<input type="checkbox"/> Blog: Art of Facilitation<input type="checkbox"/> Problem Solving Strategy Discussions<input type="checkbox"/> Problem Solving Process Academy Module<input type="checkbox"/> Engagement Strategies	
Suggested Strategies		
<ul style="list-style-type: none">• Review the Game in a Minute videos to get an overview of the ST Math puzzles that will be used during the Puzzle Talks.• Encourage students to share their ideas, name their strategies, and check and challenge each other during student-to-student conversations.• Use the Problem Solving Process to support the facilitation of student conversations.• Ask questions to support students in making visual-to-symbolic connections.• Model the use of vocabulary during discussions.• Use engagement strategies like think-pair-share, round-robin, voting, revoicing, etc. to keep all students engaged in the discussion.• When examining the feedback, focus on what happened and how that relates to the strategies students used. Did what they think would happen, happen? How will they refine their strategy?		



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Accountability

Look-fors	Instructional Resources Available	Notes
<ul style="list-style-type: none"> <input type="checkbox"/> Use of Problem Solving Journal. <input type="checkbox"/> Use of data to support lesson planning and small group instruction. <input type="checkbox"/> Various students sharing strategies and discussing their math ideas. <input type="checkbox"/> Teacher uses moves & language that builds student confidence, perseverance, & problem solving strategies. <input type="checkbox"/> Students are setting, monitoring, and evaluating goals. 	<ul style="list-style-type: none"> <input type="checkbox"/> Pre/Post Assessments* (on ST Math Summer Immersion website) <input type="checkbox"/> Pre/Post Quizzes* (on ST Math Summer Immersion website) <input type="checkbox"/> Small Group Instruction Planner <input type="checkbox"/> Monitoring Student Learning Guide <input type="checkbox"/> Problem Solving Process Resources <input type="checkbox"/> Accomplishment Log (Data Tracker) <p><i>*Optional</i></p>	
Suggested Strategies		
<ul style="list-style-type: none"> <input type="checkbox"/> In each module, review ST Math data, My Thinking Path, Exit Tickets, ST Math Puzzle Reflections, and pre/post quizzes (if appropriate) to determine which students need support, how to structure lessons, and where to make connections. <input type="checkbox"/> Identify opportunities to support students in developing agency & identity as mathematicians. <input type="checkbox"/> Have goal-setting conversations with students about their individual goals and how they plan to achieve them. <input type="checkbox"/> Engage students in discussions around mistakes and incorrect strategies to further student learning. <input type="checkbox"/> Use the Problem Solving Journal with students as an artifact to track, evaluate, synthesize, and communicate their thinking around the mathematics they are learning. 		