



### ST Math Professional Learning Catalog

Click the session name for more detailed information.

ID	Session Name	Year 1	Year 2	Year 3+	Prerequisite
PL100	<a href="#">Foundations of ST Math</a> <i>Introduction to ST Math</i>	✓			None
PL102	<a href="#">Monitoring &amp; Supporting Students in ST Math</a> <i>Use data to monitor and support your students.</i>	✓			PL100
PL103	<a href="#">Enhancing Instructional Practices with ST Math</a> <i>Integrate ST Math into the instructional strategies you already use in your classroom.</i>		✓	✓	PL100 & PL102
PL104	<a href="#">Maximizing your ST Math Implementation</a> <i>Deepen ST Math practices for returning schools</i>		✓	✓	PL100 & PL102
PL107	<a href="#">Using Tools with ST Math</a> <i>Use math tools to enhance the ST Math experience.</i>		✓	✓	PL100 & PL102
PL101	<a href="#">Customized ST Math Support</a> <i>Flexible options to support, strengthen, and amplify your implementation.</i>	✓	✓	✓	PL100
PL300	<a href="#">Early Learning</a> <i>Introduce ST Math to the teachers of your youngest learners.</i>	✓			None
PL310	<a href="#">ST Math Immersion</a> <i>Learn to leverage the ST Math Immersion instructional framework.</i>	✓	✓	✓	Experienced ST Math users
PL400	<a href="#">Family Workshop</a> <i>Engage parents, guardians, and care-givers in ST Math.</i>	✓	✓	✓	None
PL500	<a href="#">Introduction to ST Math for Administrators</a> <i>Ensure a strong ST Math implementation.</i>	✓	✓	✓	None



### Foundations of ST Math

PL100

*Introduction to ST Math*

Foundations of ST Math is an in-depth learning opportunity for those new to ST Math. Participants will immerse themselves in a variety of hands-on experiences that will teach them how ST Math works. Educators will come away with a plan to effectively implement the program with their students.

**Learning Objectives:** Participants will be able to:

- Play ST Math games to discover how learning happens in ST Math.
- Support students in ST Math.
- Create a plan to introduce ST Math to students.
- Set goals and monitor students in ST Math.

**Audience** Year 1 ST Math educators

**Prerequisite** ST Math educator account must be created prior to training.

**Duration** Virtual: 90-minute session  
On-site: 2-hour session

**Participants** Virtual: 50 participant maximum  
On-site: 25 participant maximum/session

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### Monitoring and Supporting Students in ST Math

PL102

*Use data to monitor and support your students.*

Educators will analyze and respond to their ST Math data and equip themselves with strategies to support students in ST Math. This workshop is divided into two main parts: supporting students when they struggle in ST Math using the program features, and monitoring class and individual data to create an action plan in response.

**Learning Objectives:** Participants will be able to:

- Identify and support struggling students.
- Analyze data and create an action plan.
- Use assignments to align & differentiate.
- Explore resources for celebration & accountability.

**Audience** Year 1 ST Math educators

**Prerequisite** PL100; intended for 6-9 weeks post-startup

**Duration** Virtual: 90-minute session  
On-site: 2-hour session

**Participants** Virtual: 50 participant maximum  
On-site: 25 participant maximum/session



### Enhancing Instructional Practices with ST Math

PL103

*Integrate ST Math into the instructional strategies you already use in your classroom.*

In this workshop, school/district administrators identify the mathematical instructional practice or focus area, and participants will learn how to integrate ST Math into the practices they already use.

**Session Options:**

*Participants must have prior experience implementing the chosen instructional practice. Only one option should be selected. [Read full descriptions of each option here.](#)*

- a. Math Mini Lessons
- b. Number Talks
- c. Writing in Math
- d. Rich Tasks in ST Math
- e. Data Tracking and Goal Setting
- f. Promoting Math Discourse

**Audience** All ST Math educators

**Prerequisite** PL100 and 102

**Duration** Virtual: 60- or 90-minute session  
On-site: 2-hour session

**Participants** Virtual: 50 participant maximum  
On-site: 25 participant maximum/session

### Maximizing your ST Math Implementation

PL104

*Deepen ST Math practices for returning schools*

Returning schools will reflect upon the previous year, plan for success and discover new features.

**Learning Objectives:** Participants will be able to:

- Launch ST Math effectively in the new school year.
- Develop classroom goals.
- Explore new features and resources.
- Create a positive classroom culture with Jiji.

**Audience** ST Math Educators with at least one year of experience

**Prerequisite** PL100 and 102

**Duration** Virtual: 90-minute session  
On-site: 2-hour session

**Participants** Virtual: 50 participant maximum  
On-site: 25 participant maximum/session



### Using Tools with ST Math

PL107

In this workshop participants will learn how to use math tools effectively to enhance the ST Math experience.

**Topic Progression:** *Each topic builds upon the previous.*

1. Use embodied cognition and math tools to recreate feedback.
2. Use math tools you already have to deepen conceptual understanding during whole group facilitation.
3. Incorporate math tools into the ST Math routine to build capacity and independence.

**Audience** ST Math Educators with at least one year of experience

**Prerequisite** PL100 and 102

**Duration** Virtual: 30-minute (Topic 1), 60-minute (Topics 1 & 2), or 90-minutes (Topics 1, 2, & 3)  
On-site: 60-minute (Topic 1), 90-minute (Topics 1 & 2), or 120-minutes (Topics 1, 2, & 3)

**Participants** Virtual: 50 participant maximum  
On-site: 25 participant maximum/session

### Family Workshop

PL400

*Engage parents, guardians, and care-givers in ST Math*

Develop a strong family connection to support student success in ST Math. In this workshop, families have the chance to learn about ST Math’s unique approach to learning math and why it is important in developing a deep conceptual understanding of mathematics.

**Learning Objectives:** Families will:

- Discover how learning occurs in ST Math.
- Support students working in the program from home.
- Uncover how to view student progress.
- Locate additional resources for ST Math at home.

**Audience** Families of ST Math students

**Prerequisite** None

**Duration** On-site 1-hour  
Virtual Flexible - see topics →  
• two 30-minute sessions  
• one 60-minute session

**Session Topics (15 minutes each)**

- What is ST Math?
- How is my student doing in ST Math?
- How can I support my student?
- Celebrating Success

**Participants** Virtual: 50 participant maximum  
On-site: 25 participant maximum/session



### Introduction to ST Math for Administrators

PL500

*Ensure a strong ST Math implementation*

In this workshop administrators are introduced to ST Math and its instructional power. They will receive resources to set expectations, monitor implementation, and celebrate success.

**Learning Objectives:** Participants will...

- Plan for success by setting usage goals and expectations.
- Learn to monitor implementation by analyzing and evaluating ST Math data.
- Choose resources to celebrate success and build a Jiji culture.
- Identify best practices for using ST Math in the classroom.

**Audience** Administrators and leaders new to ST Math

**Prerequisite** None

**Duration** 1 hour

**Participants** Virtual: 50 participant maximum  
On-site: 25 participant maximum/session



### Customized ST Math Support

PL101

*Flexible options to support, strengthen and amplify your implementation.*

### ST Math Consulting

*Targeted ST Math implementation support, great for PLCs, math teams, and instructional coaches. The consulting sessions are customized to address areas of need identified by participants or administration.*

**Example Topics:**

- Interpreting ST Math data
- Supporting students
- Increasing usage
- Using ST Math as an instructional tool
- ST Math resources in the classroom
- Differentiating and using assignments

**Audience** Any

**Prerequisite** PL100

**Duration** Virtual\* or on-site: Timing is flexible, ideally 45-60 minutes. Up to six sessions in one day.  
\*Additional charges may apply.

**Additional Details** Two planning options:

1. Participants complete a brief survey prior to the sessions to identify areas of interest and greatest need. Sessions are customized to meet the needs of each group of participants. [Preview Survey](#)
2. Administrators can choose the topics based upon implementation goals and understanding of school or district needs.

### Classroom Modeling

*Participants will observe Professional Learning Specialists modeling ST Math best practices in the classroom with students and reflect upon how they can incorporate strategies into their practice.*

**Modeling Options:**

- Puzzle Talks
- Student Facilitation
- ST Math Introduction
- Writing in ST Math

**Audience** Any

**Prerequisite** PL100

**Duration** On-site only  
Varies: 15-45 minutes per classroom, time to either introduce or debrief Puzzle Talks

**Additional Details** Participants will be provided with recording sheets to reflect upon their observations. A time to introduce or debrief Puzzle Talks is essential for impact.



# ST Math

Instructor-Led Workshop  
Professional Learning Catalog





## ST Math Special Program Training

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### Early Learning

PL300

*Introduce ST Math to the teachers of your youngest learners.*

Educators new to ST Math for Early Learning have the opportunity to engage in an interactive learning experience to bring ST Math into the classroom and integrate it across the curriculum. Participants will explore the early learning resources including games, literature, and home activities. They will learn how to effectively use resources with students to encourage math discourse and support students' emergent schemas to build an early love for math.

**Learning Objectives:** Participants will:

- Discover how early learners develop math sense.
- Identify and select the early learning curriculum materials to meet needs.
- Explore the student experience.
- Discover how to implement ST Math curriculum in the classroom.
- Integrate math language across the curriculum.

**Audience** Early Learning Teachers new to ST Math (PreK, Transitional Kindergarten)

**Prerequisite** None

**Duration** Virtual: Two 90-minute sessions (Ideally 1-2 weeks apart)  
On-site: 4-hour session

**Participants** Virtual: 50 participant maximum  
On-site: 25 participant maximum/session

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### Getting Started with ST Math Gateway

PL100GW

*Introduction to ST Math Gateway*

Getting Started with ST Math is an in-depth learning opportunity for those new to ST Math. Participants will immerse themselves in a variety of hands-on experiences that will teach them how ST Math works. Educators will come away with a plan to effectively implement the program with their students.

**Learning Objectives:** Participants will be able to:

- Play ST Math games to discover how learning happens.
- Support students in ST Math.
- Create a plan to introduce ST Math to students.
- Set goals and monitor students in ST Math.

**Audience** Year 1 ST Math educators

**Prerequisite** ST Math educator account must be created prior to training.

**Duration** Virtual: 90-minute session  
On-site: 2-hour session

**Participants** Virtual: 50 participant maximum  
On-site: 25 participant maximum/session





### ST Math Immersion

PL310

*Learn to leverage the ST Math Immersion instructional framework*

Participants will learn how to focus, uncover and extend student thinking through the ST Math Immersion blended learning framework. During this hands-on experience participants will experience the lessons and the pedagogy behind them, explore resources and plan the first week of instruction.

**Learning Objectives:** Participants will...

- Experience the lesson framework.
- Discover the instructional strategies that are used to build schema and promote student thinking.
- Navigate the exclusive Immersion site and explore the resources.
- Develop a plan for implementation and activities for the first week.

**Audience** Educators at sites that have purchased the ST Math Immersion program.

**Prerequisite** Experienced ST Math users

**Duration** Virtual: Two 90-minute sessions  
On-site: One 4-hour session

**Participants** Virtual: 50 participant maximum  
On-site: 25 participant maximum/session

### ST Math Immersion Onsite Support

PL311

*An ST Math consultant will visit your site to provide tailored modeling and support. Ideally this support would occur during the second week of implementation, after teachers have started using ST Math Immersion.*

#### Support Options

- Model Puzzle Talk and/or small group lesson
- Classroom walkthroughs with administrator
- Instructional Station consultation
- Model student facilitation
- Teacher support
- Consulting on Design Challenge

**Audience** ST Math Immersion teachers and administrators.

**Prerequisite** PL310 - ST Math Immersion Training

**Duration** On-site only  
Flexible: Up to 6 hours



### Enhancing Instructional Practices with ST Math

#### Learning Objectives & Descriptions

This practical, hand-on workshop introduces participants to strategies they can use to incorporate ST Math into instructional practices they are already using.

**Planning Notes:**

- Only one option should be selected.
- Participants must have prior experience implementing the chosen instructional practice.

	Learning Objective Participants will be able to...	Session Description
<b>ST Math Mini Lesson</b>	Use ST Math resources to plan targeted mini lessons.	<ul style="list-style-type: none"> <li>• Front load a unit or lesson with an ST Math puzzle.</li> <li>• Learn how to find aligned games to hook students in.</li> <li>• Encourage the use of discourse and math vocabulary.</li> </ul>
<b>Number Talks</b>	Use ST Math puzzles as the problem in Number Talk routines.	<ul style="list-style-type: none"> <li>• Use ST Math puzzles as the problem for number talks.</li> <li>• Learn how to find aligned games.</li> </ul>
	<i>** This is not a training about how to do Number Talks, rather how to use ST Math with Number Talks. Teachers should already be experienced using Number Talks.</i>	
<b>Writing in Math</b>	Integrate exit tickets & math journals to extend and make connections to ST Math.	<ul style="list-style-type: none"> <li>• Use exit tickets &amp; math journals to help students extend and make connections to ST Math.</li> <li>• Incorporate math vocabulary.</li> </ul>
<b>Deepen &amp; Extend with Rich tasks</b>	Use ST Math game mats and manipulatives to extend and deepen mathematical thinking and problem solving.	<ul style="list-style-type: none"> <li>• Connect ST Math to word/story problems.</li> <li>• Use Game Mats and manipulatives to extend and deepen mathematical thinking.</li> </ul>
<b>Data Tracking, Goal Setting &amp; Monitoring</b>	Empower students to take ownership of their learning in ST Math and set individual and/or classroom goals.	<ul style="list-style-type: none"> <li>• Integrate goal setting and student agency with ST Math into current goal setting practices.</li> </ul>
<b>Promoting Mathematical Discourse</b>	Facilitate mathematical discourse around ST Math puzzles using sentence stems and math vocabulary.	<ul style="list-style-type: none"> <li>• Use ST Math puzzles as the catalyst for mathematical discourse.</li> <li>• Incorporate math vocabulary.</li> </ul>