



Professional Learning Packages

Click the session name for more detailed information.

ID	Session Name	Year 1	Year 2	Year 3+	Prerequisite
PL200	ST Math Champion Empowerment Package <i>Program designed to equip and empower ST Math Champions</i>	✓	✓	✓	None
PL230	ST Math Curriculum Integration Package <i>A series of collaborative sessions aimed to empower curriculum writers to embed ST Math into the district core curriculum</i>	✓	✓	✓	None
PL290	Math Discourse with Puzzle Talks <i>Multi-session workshop and modeling package designed to equip & empower educators to facilitate discourse with ST Math Puzzle Talks</i>	✓	✓	✓	PL100 & PL102

ST Math Professional Learning Workshops

Click the session name for more detailed information.

ID	Session Name	Year 1	Year 2	Year 3+	Prerequisite
PL100	Foundations of ST Math <i>Introduction to ST Math</i>	✓			None
PL102	Monitoring & Supporting Students in ST Math <i>Use data to monitor and support your students</i>	✓			PL100
PL103	Enhancing Instructional Practices with ST Math <i>Includes 5 different options to integrate ST Math with current instructional practices</i>		✓	✓	PL100 & PL102
PL104	Maximizing ST Math with Puzzle Talks & Routines <i>Introduction to Puzzle Talks & routines that support an effective implementation</i>		✓	✓	PL100 & PL102
PL105	Strengthening Puzzle Talk Practices with Discourse Strategies <i>Deepen math discourse strategies and learn to create a Puzzle Talk from any ST Math game</i>		✓	✓	PL100, PL102, & PL104
PL108	Strategies for Developing Language with ST Math <i>Practical strategies to support language with ST Math</i>		✓	✓	PL100 & PL102

Continue to the next page for Administrator, Special Program, and Curriculum Training options



ST Math Professional Learning Workshops Continued

Click the session name for more detailed information.

ID	Session Name	Year 1	Year 2	Year 3+	Prerequisite
PL101	<u>Customized PLC Support</u> <i>Flexible options to support and strengthen your implementation</i>	✓	✓	✓	PL100
PL111	<u>ST Math Classroom Modeling</u> <i>Observe an ST Math facilitator model lessons and strategies</i>	✓	✓	✓	PL100
PL400	<u>Family Workshop</u> <i>Engage parents, guardians, and caregivers in ST Math</i>	✓	✓	✓	None
NA	<u>Workshop Add-on Topics</u> <i>Customize and extend your workshop with additional topics</i>	✓	✓	✓	Varies

Administrators, Coaches, and Math Leaders

Click the session name for more detailed information.

ID	Session Name	Year 1	Year 2	Year 3+	Prerequisite
PL500	<u>Introduction to ST Math for Administrators</u> <i>Ensure a strong ST Math implementation</i>	✓	✓	✓	None
PL501	<u>Data Driven Instruction & Rhythms with ST Math</u> <i>Use data and weekly rhythms to ensure ST Math has the highest impact</i>	✓	✓	✓	PL100 or PL500
PL502	<u>Enhancing Core Instruction with ST Math</u> <i>Use ST Math as a powerful instructional tool to support core instruction</i>	✓	✓	✓	PL100 or PL500



ST Math Special Program and Curriculum Training

These programs require an additional purchase beyond ST Math digital software

ID	Session Name	Year 1	Year 2	Year 3+	Prerequisite
PL300	<u>Early Learning</u> <i>Introduce ST Math to the teachers of your youngest learners</i>	✓			None
PL302	<u>Enhancing the Early Learning Curriculum</u> <i>Dive deeper into ST Math: Early Learning</i>		✓	✓	PL300
PL310	<u>ST Math Summer Immersion</u> <i>Learn to leverage the ST Math Immersion instructional framework</i>	✓	✓	✓	Experienced ST Math users
PL311	<u>ST Math Immersion Support</u> <i>Customized modeling and program support</i>				
PL320	<u>ST Math Camps</u> <i>Prepare to successfully teach and facilitate ST Math Camps</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 demonstrate how ST Math works. Educators will come away with a plan to effectively implement the program with their students.

Learning Objectives: Participants will:

- Play ST Math games to discover how learning occurs
- 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

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 parts: using program features to support students when they struggle in ST Math and monitoring class and individual student data to create an action plan in response to discoveries.

Learning Objectives: Participants will:

- 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 and Learning Objectives:

A. Using ST Math in Stations - Develop a plan to incorporate ST Math into new or existing station models and explore ideas to promote accountability, agency, and learning during stations.

Duration: Virtual: 60–90-minutes, On-site: 1.5–2 hours

B. Curriculum Integration & Targeting Standards - Explore and experience the flexibility of ST Math within your core math program and build an understanding of rhythms designed to target specific standards.

Duration: Virtual: 90-minutes, On-site: 2 hours

C. Writing in Math - Integrate exit tickets & math journals to extend and make connections to ST Math.

Duration: Virtual: 60–90-minutes, On-site: 1.5–2 hours

D. Extending ST Math - Explore strategies and resources to extend thinking for all learners and support early finishers throughout the year.

Duration: Virtual: 90-minutes, On-site: 2 hours

E. Data Tracking & Goal Setting - Empower students to take ownership of their learning in ST Math and set individual and/or classroom goals.

Duration: Virtual: 60–90-minutes, On-site: 1.5–2 hours

Audience All ST Math educators

Prerequisite PL100 and 102

Duration See each session for duration

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



Maximizing ST Math with Puzzle Talks & Routines

PL104

Introduction to Puzzle Talks & routines that support an effective implementation

Educators will explore and discover new features and resources and learn to facilitate mathematical discourse using the ST Math Puzzle Talk platform for whole or small group instruction. Finally, expand current ST Math instructional rhythms by embedding Puzzle Talks, ST Math play, and data tracking and reflection into classroom routines.

Learning Objectives: Participants will:

- Explore new features and resources
- Understand the purpose of math discourse and Puzzle Talks
- Experience, navigate, and utilize the Puzzle Talk platform for classroom math discourse
- Develop effective ST Math instructional routines

Audience ST Math Educators with at least one year of experience

Prerequisite PL100 and 102

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

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

Strengthening Puzzle Talk Practices with Discourse Strategies

PL105

Deepen math discourse strategies and learn to create a Puzzle Talk from any ST Math game

During this in-depth workshop, educators will reflect on their current Puzzle Talk practices and explore additional ways to foster rich mathematical discussions with any ST Math game through modeling, practice, and feedback. Consider pairing this training with a day of [classroom Puzzle Talk modeling](#) to maximize the learning impact.

Learning Objectives: Participants will:

- Establish Puzzle Talk norms
- Deepen mathematical discourse through tools, engagement strategies, and extensions
- Practice delivering a Puzzle Talk
- Learn to use any ST Math game for a Puzzle Talk

Audience Experienced ST Math user

Prerequisite PL100, PL102, PL104

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

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



Strategies for Developing Language with ST Math

PL108

Practical strategies to support the use of language with ST Math

ST Math is designed around our research-based, patented approach using visual models to build a conceptual understanding of math concepts; however, that doesn't mean language isn't important. In this session educators will learn strategies to support the use of language with ST Math.

Learning Objectives: Participants will:

- Understand how ST Math provides access to math content, critical thinking, and communication
- Experience strategies to increase language proficiency in the classroom
- Identify how playing ST Math supports receptive and expressive language development
- Apply and expand ideas and strategies for immediate classroom use

Audience Experienced ST Math user

Prerequisite PL100 and PL102

Duration Virtual: 90 minutes
On-site: 2-hours

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

Catalog continued on the next page.



Family Workshop

PL400

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 resources for using 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

Workshop Add-on Topics

Each topic can be delivered as an add-on to a standard workshop or alone as a Thought Burst, or mini-training.

Topic	Description	Duration
What's new?	Guided tour of new features and resources.	10–20 mins
Supporting Early Finishers	Identify and explore ST Math resources to engage students who finish their ST Math Journey early in the year.	30–40 mins
Assessment Support Tool	Overview of assessment integration and Auto-Assignments for customers who have purchased the Assessment Support Tool.	15–20 mins
Using Tools with ST Math	Use math tools effectively to enhance the ST Math experience.	30–60 mins

Catalog continued on the next page.



Workshops for Admins, Coaches, & Math Leaders

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

Data Driven Instruction & Rhythms with ST Math

PL501

Use data and weekly rhythms to ensure ST Math has the highest impact.

Learning Objectives: Participants will:

- Use data to set, plan for, and reach goals
- Effectively use the Data Driven Action Plan and plan a regular rhythm to use it with educators
- Explore ST Math rhythms and routines that support and encourage implementation goals

Audience Admins, coaches, and math leaders with ST Math experience

Prerequisite PL500 or PL100

Duration Virtual - 60 minutes
On-site: 60–90 minute session

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



Enhancing Core Instruction with ST Math

PL502

Use ST Math as a powerful instructional tool to support core instruction.

ST Math is more than just a math software program, it is a powerful instructional tool that can support and enhance all areas of your core math curriculum. In this interactive workshop, administrators, coaches, and math leaders will see and experience the way ST Math can be used to support fluency, direct instruction, conceptual development, and math discourse in the classroom.

Learning Objectives: Participants will:

- Explore and experience the flexibility of ST Math within your core math program
- Understand how ST Math can support and enhance all areas of math instruction
- Experience an ST Math Puzzle Talk lesson
- Review materials and resources available to support and enhance math instruction

Audience Admins, coaches, and math leaders with ST Math experience

Prerequisite PL500 or PL100

Duration Virtual - 60 minutes
On-site: 60–90 minute session

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

Catalog continued on the next page.



Customized ST Math Support

ST Math Custom Consult in Small Educator Groups

PL101

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

Example Topics:

- Design of ST Math
- Data & Reports
- Supporting Struggling Students
- Assignments
- Rhythms & Routines (stations)
- Textbook or Standards Correlation
- Puzzle Talks (math discourse)
- Early Finishers
- Family involvement

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:

Option 1: Participants identify areas of interest and greatest need. Sessions are customized to meet the needs of each group.

Option 2: Administrators can choose the topics based upon implementation goals.

Classroom Modeling

PL111

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:

- [ST Math Launch](#) - ST Math Facilitator will model the Guided Introduction as a whole group to foster excitement and introduce strategies for approaching a puzzle using the Problem Solving Process.
- [Student Facilitation & Support](#) - Students will play ST Math while the ST Math Facilitator engages students in math discourse and models support strategies. Educators will observe and participate in a debrief.
- [Puzzle Talks](#) - ST Math Facilitator will model an ST Math Puzzle Talk utilizing the Problem Solving Process and engaging students in mathematical discourse. Educators will observe and participate in a debrief.

Audience Any

Prerequisite PL100

Duration On-site only; times vary: 20–40 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.

Suggested Package [Math Discourse with Puzzle Talks](#)



ST Math Programs & Curriculum Training

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 learn to integrate the Early Learning Program. Participants will learn how to effectively use resources to support students' emergent schemas and 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.
- Discover how to implement the ST Math Early Learning curriculum in the classroom.
- Integrate math language across the curriculum.

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

Prerequisite Purchase of Early Learning Curriculum

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

Enhancing the Early Learning Curriculum

PL302

Participants will dive deeper into the ST Math: Early Learning Curriculum resources to enhance mathematical experiences for students.

Learning Objectives: Participants will:

- Explore and practice Early Learning mathematics.
- Experience facilitation strategies for collaboration.
- Integrate strategy discussions.
- Investigate student work and data.

Audience Teachers using the ST Math Early Learning Curriculum PK or TK

Prerequisite PL300

Duration Virtual: 90-minutes
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 workshop, 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 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 can also be provided during virtual office hours.

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 Flexible



ST Math Camps

These hands-on, practical workshops will prepare participants to successfully implement the ST Math Camp curriculum. We focus on making sure all participants are ready to teach the first week of ST Math Camp and understand the structure and components of the curriculum so they can confidently facilitate student learning throughout the program.

Learning Objectives: Participants will...

- Engage in the daily structure and instructional strategies.
- Experience each of the ST Math Camp program components.
- Create a plan to implement the first module of ST Math Camp.

Audience Educators at sites that have purchased the ST Math Camp program and purchased an add-on live professional learning (virtual or on-site).

Prerequisite Journey & Adventure: Experienced ST Math users - if new to ST Math, please add 30–60 minutes for introduction to the program.
Game Design: None

Duration Virtual: 90-minute sessions
On-site: 2-hour session
Add 30–60 minutes for sites or educators new to ST Math

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

ST Math Camp: Journey

PL321

During this workshop, participants will experience an ST Math Puzzle Talk and Activity and prepare to facilitate them with their class in their first module.

ST Math Camp: Adventure

PL322

During this workshop, participants will experience the Table Game they will introduce during the first module as well as prepare to teach the Small Group Problem Solving lesson.

ST Math Camp: Game Design

PL323

During this workshop, participants will experience the design process and walk through the modules of game design that their students will experience.



ST Math Champion Empowerment Package

This package is designed to equip and empower Champions to elevate the impact of ST Math on student learning. This package includes one on-site training event plus up to five virtual support sessions each year.

Champion Empowerment

PL201

Equip Champions to support the implementation of ST Math throughout the school year.

Participants will build and deepen their understanding of ST Math to create a plan to support their colleagues and team throughout the school year with ST Math.

Learning Objectives: Participants will:

- Explain their role as a champion and how they will support the implementation of ST Math
- Describe the intentional design, goals, and features of ST Math
- Create an implementation plan to ensure the success of ST Math
- Monitor, communicate, and celebrate ST Math usage throughout the school year

Audience ST Math Champions such as math leads, instructional coaches, or teachers leaders who will be responsible for supporting ST Math across their school or district.

Prerequisite [See Champion Empowerment Program Flyer](#)

Sessions One on-site session + up to 5 virtual Champion Hours throughout the school year

Champion Hour Virtual Support Sessions

PL200

Customizable, just-in-time sessions designed for collaboration and support designated Champions. Up to five Champion Hours per year are included in the ST Math Champions Empowerment Package.

Example Topics:

- Timely Data Monitoring
- Celebrations
- Jiji Culture
- Supporting Students
- ST Math Curriculum
- End of Year Reflection

Audience Site or district ST Math Champions

Duration 30 minutes of content followed by Q&A



Curriculum Integration Package

PL230

The Curriculum Integration Package offers a series of collaborative professional learning and support sessions aimed to empower curriculum writers and/or coaches to embed ST Math into the district core curriculum and math practices.

Why this package?

- Embed ST Math into current instructional practices and core curriculum to promote continuity and meaningful connections
- Maximize the usage and impact of ST Math across the district through vision casting and thoughtful planning

End Products:

- Implementation timeline for the year
- Exemplar unit with ST Math embedded
- Tools & templates to complete ST Math curriculum integration

Sessions:

- One 1-hour virtual planning meeting
- Two on-site days: (up to 6-hours)
 - Needs assessment & vision-casting
 - Implementation & curriculum planning
- 6 hours virtual development & feedback sessions (scheduled throughout the year)

Audience Math Specialists, Instructional Coaches, Curriculum writers

Prerequisite PL100

Participants 25 participant maximum/session



Math Discourse with Puzzle Talks Package PL290

This multi-session workshop and modeling package is designed to equip & empower educators to facilitate discourse with ST Math Puzzle Talks.

What are Puzzle Talks:

- Puzzle Talks are short teacher facilitated lessons similar to “math talks” or “number talks” designed to engage students in problem solving and encourage mathematical discourse.
- Puzzle Talks can easily be integrated into any core math program and give educators a powerful tool to leverage the visual models inherent in ST Math and promote math language development through discourse.

Why this package?

In order to make teacher learning sticky, this package provides a 3 pronged approach:

1. **Learn & Plan:** Hands on Professional Learning workshop to learn and practice.
2. **Model & Debrief:** Observe a model Puzzle Talk and engage in a reflective debrief.
3. **Implement & Reflect:** Set an expectation that educators will deliver at least one Puzzle Talk and then attend a Round Table Reflection session to discuss, debrief, and collaborate with their colleagues about their experience.

Sessions:

- 1-hour virtual planning meeting
- One on-site Professional Learning Workshop: [Facilitating Math Discourse with Puzzle Talks](#)
- One on-site [Puzzle Talk Modeling day](#)
**must be day before/after workshop*
- 1-hour virtual Puzzle Talk Reflection Round Table

Audience All educators

Prerequisite PL100 or PL104, PL102

Participants 25 participant maximum/session