

SY25-26



2025-2026 Elementary Math Professional Learning Plan & Options

Elementary math professional learning options are designed based on current research, feedback, and recommendations for CCSD educators. They aim to cultivate three types of teacher knowledge:

- Mathematics Content Knowledge
- Pedagogical Content Knowledge
- Mathematics Curriculum Knowledge

Math Teaching & Learning	Bridges	ST Math
How the Brain Learns Math	Bridges Orientation	ST Orientation & Supported Implementation
	Bridges Intervention Training	Champion Lead Teachers
	Full Day Unit Planning	

How the Brain Learns Math

Includes an introduction to neuro and cognitive science, instructional practices in support of how the brain learns math, and the relationship between conceptual and procedural knowledge. Recorded sessions and facilitator guides can also be found in the <u>Math Digital Support Binder for Instructional Leaders</u>.

September 19, 2025	January 5, 2026	May 1, 2026
9:00-11:30	1:00-3:30	8:00-10:30
ISF 146a	ISF 146a	ISF 146a
<u>Register in PL Hub</u>	<u>Register in PL Hub</u>	<u>Register in PL Hub</u>

Follow-up sessions can be scheduled at the building level and include: 1) Experience a Math Workshop, 2) Learning Walk/Action Planning w/ Instructional Leaders, 3) Power Pictures & Bridges Email Lori Mallett for more information.

Bridges Orientation: K-5



Includes 1 full-day and 1 half-day sessions with orientation to Bridges (Problems & Investigations, Number Corner), instructional routines to support math workshop, and how to orchestrate productive mathematics discussion. Educators, including teachers, co-teachers, coaches, and administrators, should attend. Choose from 4 cohort options.

REQUIRED: New to Bridges K-5 educators who support elementary math instruction. **Substitutes covered by district budget.**

ENCOURAGED: Returning K-5 educators who would like a refresher are encouraged to attend the July session.

K-2	3-5	K-5
July 30 (all day) & Aug 5 (pm) July 30 Location: OFS 111/111A August 5 Location: Tallyn's Reach Library Community Room	July 29 (all day) & Aug 5 (pm) July 29 Location: SARC 303/306 August 5 Location: Tallyn's Reach Library Community Room	September 26 7:45-3:45 ISF 202
Register in PL Hub New Hires w/out PL Hub access can reserve a spot here	Register in PL Hub New Hires w/out PL Hub access can reserve a spot here	<u>Register in PL Hub</u>

Bridges Intervention Training: K-5



This 3-hour session provides guidance on the effective implementation of the Bridges Intervention. We'll discuss best practices, placement assessments, progress monitoring, and more.

REQUIRED: New K-5 interventionists who support elementary math intervention **Substitutes covered by district budget. ENCOURAGED:** Returning K-5 interventionists and educators who support elementary math intervention

	K-5
February 19, 2026	February 19, 2026
7:45-10:45 ISF 102	12:30-3:30 ISF 102
<u>Register in PL Hub</u>	<u>Register in PL Hub</u>

Full-Day Unit Planning: K-5



Includes thinking through the conceptual to procedural math progression of the upcoming unit. Two units are planned per full-day session.

REQUIRED: New to Bridges K-5 educators who support elementary math instruction. **Substitutes covered by district budget. OPTIONAL:** Returning K-5 educators who would like a refresher, or are new to a grade level.

	Units 2 & 3	Units 4 & 5	Units 6 & 7
	September	November	December
Kindergarten	September 8	December 1	January 26
	7:45-3:45	7:45-3:45	7:45-3:45
	ISF 146c	ISF 146a	ISF 146a
	<u>Register in PL Hub</u>	<u>Register in PL Hub</u>	<u>Register in PL Hub</u>
1st Grade	September 9	December 2	January 27
	7:45-3:45	7:45-3:45	7:45-3:45
	SARC 303	ISF 146c	ISF 146a
	Register in PL Hub	<u>Register in PL Hub</u>	<u>Register in PL Hub</u>
2nd Grade	September 11	December 4	January 29
	7:45-3:45	7:45-3:45	7:45-3:45
	SARC 306	ISF 146c	ISF 146a
	Register in PL Hub	Register in PL Hub	<u>Register in PL Hub</u>
3rd Grade	September 8	December 1	January 26
	7:45-3:45	7:45-3:45	7:45-3:45
	ISF 146d	ISF 146b	ISF 146b
	<u>Register in PL Hub</u>	Register in PL Hub	<u>Register in PL Hub</u>
4th Grade	September 9	December 2	January 27
	7:45-3:45	7:45-3:45	7:45-3:45
	SARC 304	ISF 146d	ISF 146b
	Register in PL Hub	Register in PL Hub	<u>Register in PL Hub</u>
5th Grade	September 11	December 4	January 29
	7:45-3:45	7:45-3:45	7:45-3:45
	SARC 305	ISF 146d	ISF 146b
	Register in PL Hub	Register in PL Hub	<u>Register in PL Hub</u>

ST Math: Orientation



This session is open to anyone interested in learning how to use ST Math to enhance instructional practices, implement data-informed planning and monitoring, and facilitate productive mathematical discussions. Educators, including teachers, co-teachers, coaches, and administrators, should attend.

SUGGESTED: Any educator who is implementing ST Math who has not attended workshop 1 before.

PL 100 Getting Started

7:45-10:45 AM or 12:30-3:30 PM August 5 (PM) ISF 119

or

August 7 (AM/PM) ISF 119

Register in PL Hub

PL 102 Monitoring and Supporting Students

7:45-10:45 AM or 12:30-3:30 PM August 5 (PM) ISF 119

or

August 7 (AM/PM) ISF 112

Register in PL Hub

PL100 - Getting Started

Brief demonstration of neuroscience design Create ST Math introduction plan for students Creating classes and rostering students Setting usage goals and expectations Supporting students using the Problem Solving Process

PL102 - Monitoring and Supporting Students

Analyze and respond to ST Math data Identify areas of success and growth Use assignments to align and differentiate instruction

*Prerequisite: Have completed PL100 at some point.

ST Math Champion Lead Teacher



This option is for the two lead teachers selected from each school from cohort #1 and cohort #2. Champion Lead(s) Includes year 2 of a 3 year ST Math Champion development program Substitutes covered by district budget.

REQUIRED: 2 people per building selected to be a part of the 3-year ST Math Champion development program

September 12 September 23 October 28 December 11 8:00-10:30 Virtual Session 7:45-3:30 Virtual Session ISF 202 LOCATION by Grade Level Register for 11:00-12:00 Register for 11:00-12:00 Register in PL Hub Register for 7:45-3:30 Register for 2:50-3:50 Register for 2:50-3:50 Champion Hour 1: Workshop 1 Champion Hour 2: 2nd Annual Empowerment Schedulina Rolling Hills Elementary **Enhancing Core** Conference Makeup 2.5 hours in-person Review data and Grade of Instruction with ST Math professional learning for all resources from prior Champions: 5th Review data and ST Math Champions who resources from prior trainings missed the May 25th • Creative ways to Covote Hills trainings Empowerment Conference. schedule ST Math Grade of Plan strategies to Attendance is required for • Share best practices Champions: 4th extend learning with

any Champion who did not participate in the May 25th event.

- for successful ST Math implementation
- Explore how to engage and motivate educators with

Dry Creek

Grade of Champions: 3rd ST Math through small group instruction. Puzzle Talks, and STAR data reports

	professional learning Optional Q&A *goal is collaboration and learning from other Champions Zoom meeting links & session recordings		Understand how ST Math can support and enhance all areas of differentiated math instruction Optional Q&A *goal is collaboration and learning from other Champions Zoom meeting links & session recordings
February 12 7:45-3:30 pm Antelope Ridge Elementary Register for 7:45-3:30	March 26 Virtual Session Register for 11:00-12:00 OR Register for 2:50-3:50	May 4 7:45-3:30 ISF 146 Register in PL Hub	
Workshop 2	Champion Hour 3: End of Year Success with ST Math Review data and resources from prior trainings Closing out the year with ST Math Keep kids learning over the summer Plan ahead for fall Optional Q&A *goal is collaboration and learning from other Champions Zoom meeting links & session recordings	3rd Annual Empowerment (Keynote from MIND Thought sessions for individualized le implementation planning.	t Leader and breakout

K-5 Supported Implementation



Includes professional learning from ST Math as coordinated by building administration. Support is decided by the school and can include these options.

Substitutes NOT covered by district budget.

Form to Submit Request for Support







Office of Curriculum and Instruction

Cherry Creek School District 5416 South Riviera Way Centennial, CO 80015

February 9, 2024

Greetings esteemed elementary math instructional leaders!

As we plan for the 2024-2025 school year it is our priority to continue to support educators to implement rigorous standards that lead students to appropriate levels of college and career readiness. We will continue to cultivate three types teacher knowledge:

- Mathematics Content Knowledge
- Pedagogical Content Knowledge
- Mathematics Curriculum Knowledge

The cultivation becomes how teachers engage in continuous and meaningful learning so they are most equipped to affirm students' mathematical identities as they support their construction of balanced conceptual understanding and procedural fluency. Engaging students in math learning in alignment with how the brain learns is also in support of the CCSD Literacy and Strategic Plans:

2024-2025 Elementary Math Professional Learning Plan & Options

Our 2024-25 elementary math professional learning options are designed based on current research, feedback and recommendations from CCSD educators.

- Math Professional development is focused on mathematics practices and resources
- Professional development is ongoing
- Professional development supports the needed shifts to use of resources in a workshop model
- Professional development is job-embedded
- Professional development includes choice and provides for differentiation

In an effort to provide differentiated support and learning options, we have created several opportunities to choose from (See page 2-7 for more details).

Thank you for your continued support of high-quality math teaching and learning in CCSD!

Dr. Amber Gardner, Partner of Pk-12 Mathematics Lori Mallett, Partner of Pk-12 Mathematics Dr. Dominique Jones, Director of Curriculum and Instruction

2024-2025 Elementary Math Professional Learning Plan & Options

Sections listed in MAROON are services provided by and sessions led by CCSD Office of Curriculum & Instruction.

Sections listed in BLUE are services provided by and sessions led by 2Partner.

Sections listed in GREEN are services provided by and sessions led by STMath.

How the Brain Learns Math

Includes an introduction to neuro and cognitive science, instructional practices in support of how the brain learns math, and the relationship between conceptual and procedural knowledge.

Recorded sessions and facilitators guides can also be found in the Math Digital Support Binder for Instructional Leaders.

May 3, 2024	August 8, 2024	January 6, 2025	May 2, 2025
8:00 - 10:30 ISF 146	9:00-11:30 Fremont 163/164 <u>Register in PL Hub</u>	1:00 - 3:30 ISF 146 CANCELED	8:00 - 10:30 ISF 146 <u>Register in PL Hub</u>

Follow up sessions can be scheduled at the building level and include:

*Power Pictures & Bridges

Email <u>agardner3@cherrycreekschools.org</u> for more information.

Bridges Orientation: K-5



Includes 2 full day sessions with orientation to Bridges (Problems & Investigations, Number Corner), instructional routines to support math workshop, how to orchestrate productive mathematics discussion, and unit 1 planning. Educators, including teachers, co-teachers, coaches, and administrators should attend. Choose from 4 cohort options.

REQUIRED: New to Bridges K-5 educators that support elementary math instruction. **Substitutes covered by district budget.**

STRONGLY ENCOURAGED: Returning K-5 educators that would like a refresher are encouraged to attend the July session.

K-5

January 29 - 30, 2025 8:00 - 3:30 pm OFS 111/111A Register in PL Hub

^{*}Experience a Math Workshop *Learning Walk/Action Planning w/ Instructional Leaders

Bridges Intervention Training: K-5



This 3-hour session offers guidance for an effective implementation of Bridges Intervention. We'll discuss best practices, placement assessments, progress monitoring, and more.

REQUIRED: New K-5 interventionists who support elementary math intervention **Substitutes covered by district budget. STRONGLY ENCOURAGED:** Returning K-5 interventionists and educators who support elementary math intervention

K-5

February 19, 2025 7:45 - 10:45 am SARC 304 Register in PL Hub February 19, 2025 12:30 - 3:30 pm SARC 304 Register in PL Hub

Half-Day Unit Planning: K-5



Includes thinking through the conceptual to procedural math progression of the upcoming unit. One unit is planned per half-day session.

REQUIRED: New to Bridges K-5 educators that support elementary math instruction. **Substitutes covered by district budget. OPTIONAL:** Returning K-5 educators who would like a refresher, or are new to a grade level.

	Unit 2 September	Unit 3 November	Unit 4 December	Unit 5 January	Unit 6 February	Unit 7 March/April
Kindergarten	September 16	November 4	December 2	January 13	February 10	March 31
	7:45-10:45	7:45-10:45	7:45-10:45	7:45-10:45	7:45-10:45	7:45-10:45
	ISF 146a	SARC 304	SARC 304	SARC 305	SARC 305	SARC 305
	PL Hub Link	PL Hub Link	PL Hub Link	PL Hub Link	PL Hub Link	PL Hub Link
1st Grade	September 16	November 4	December 2	January 13	February 10	March 31
	12:30-3:30	12:30-3:30	12:30-3:30	12:30-3:30	12:30-3:30	12:30-3:30
	ISF 146a	SARC 304	SARC 304	SARC 305	SARC 305	SARC 305
	PL Hub Link	PL Hub Link	PL Hub Link	PL Hub Link	PL Hub Link	PL Hub Link
2nd Grade	September 17	November 5	December 3	January 14	February 11	April 1
	7:45-10:45	7:45-10:45	7:45-10:45	7:45-10:45	7:45-10:45	7:45-10:45
	ISF 146c	ISF 102	ISF 146a	ISF 146a	ISF 146a	ISF 102
	PL Hub Link	PL Hub Link	PL Hub Link	PL Hub Link	PL Hub Link	PL Hub Link
3rd Grade	September 17	November 5	December 3	January 14	February 11	April 1
	12:30-3:30	12:30-3:30	12:30-3:30	12:30-3:30	12:30-3:30	12:30-3:30
	ISF 146c	ISF 102	ISF 146a	ISF 146a	ISF 146a	ISF 102
	PL Hub Link	PL Hub Link	PL Hub Link	PL Hub Link	PL Hub Link	PL Hub Link
4th Grade	September 19	November 7	December 5	January 16	February 13	April 3
	7:45-10:45	7:45-10:45	7:45-10:45	7:45-10:45	7:45-10:45	7:45-10:45
	ISF 146a	OFS 111	ISF 146a	ISF 146a	ISF 102	SARC 305
	PL Hub Link	PL Hub Link	PL Hub Link	PL Hub Link	PL Hub Link	PL Hub Link
5th Grade	September 19	November 7	December 5	January 16	February 13	April 3
	12:30-3:30	12:30-3:30	12:30-3:30	12:30-3:30	12:30-3:30	12:30-3:30

ISF 146a OFS 111 ISF 146a ISF 146a ISF 102 SARC 305
PL Hub Link PL Hub Link PL Hub Link PL Hub Link PL Hub Link

After-School Unit Planning: K-5



Includes thinking through the conceptual to procedural math progression of the upcoming unit. One unit is planned per after-school session. Horizontal advancement credit options are available.

REQUIRED: New to Bridges K-5 educators that support elementary math instruction. **Substitutes covered by district budget. OPTIONAL:** Returning K-5 educators that would like a refresher or are new to a grade level

4:00-6:00	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7
	September	November	December	January	February	March/April
Kindergarten	September 16	November 4	December 2	January 13	February 10	March 31
	4:00-6:00	4:00-6:00	4:00-6:00	4:00-6:00	4:00-6:00	4:00-6:00
	ISF 146a	SARC 304	SARC 304	SARC 305	SARC 305	SARC 305
	PL Hub Link	PL Hub Link	PL Hub Link	PL Hub Link	PL Hub Link	PL Hub Link
1st Grade	September 16	November 4	December 2	January 13	February 10	March 31
	4:00-6:00	4:00-6:00	4:00-6:00	4:00-6:00	4:00-6:00	4:00-6:00
	ISF 146b	SARC 305	SARC 305	SARC 306	SARC 304	SARC 306
	PL Hub Link	PL Hub Link	PL Hub Link	PL Hub Link	PL Hub Link	PL Hub Link
2nd Grade	September 17 4:00-6:00 ISF 146c PL Hub Link	November 5 4:00-6:00 ISF 102 PL Hub Link	December 3 4:00-6:00 ISF 102 PL Hub Link	January 14 4:00-6:00 ISF 102 PL Hub Link	February 11 4:00-6:00 ISF 202 PL Hub Link Join Zoom Meeting: 2nd Grade After School Session Meeting ID: 821 9399 4717 Passcode: 533552	April 1 4:00-6:00 ISF 102 PL Hub Link
3rd Grade	September 17	November 5	December 3	January 14	February 11	April 1
	4:00-6:00	4:00-6:00	4:00-6:00	4:00-6:00	4:00-6:00	4:00-6:00
	ISF 146d	ISF 202	ISF 202	ISF 202	ISF 102	ISF 202
	PL Hub Link	PL Hub Link	PL Hub Link	PL Hub Link	PL Hub Link	PL Hub Link
4th Grade	September 19 4:00-6:00 ISF 146a PL Hub Link	November 7 CANCELED 4:00-6:00 OFS 111 *snow	December 5 CANCELED 4:00-6:00 ISF 146a	January 16 4:00-6:00 ISF 146a PL Hub Link	February 13 4:00-6:00 ISF 146a PL Hub Link	April 3 4:00-6:00 SARC 305 PL Hub Link
5th Grade	September 19 4:00-6:00 ISF 146b PL Hub Link	November 7 CANCELED 4:00-6:00	December 5 CANCELED 4:00-6:00	January 16 CANCELED 4:00-6:00	February 13 CANCELED 4:00-6:00	April 3 4:00-6:00 SARC 306 PL Hub Link

ST Math: Cohort #1



This option is for schools that piloted ST Math SY23-24 and are expanding to all grades SY24-25. It includes orientation to the ST Math resource, enhancing instructional practices, data-informed planning and monitoring, and how to orchestrate productive mathematics discussion. Educators, including teachers, co-teachers, coaches and administrators should attend. Four, 90-minute sessions total scheduled by building administration with the link below.

REQUIRED: K-5 educators in schools expanding to all grades to use STMath as a supplementary math learning resource. **Substitutes NOT covered by district budget.**

Workshop 1, 3 Cohort #1 Buildings sign up Aug 6, Aug 7 c	here for one slot on	Workshop 2, 90 min Cohort #1 Buildings sign up here for Oct 9, 23, 30 or Nov 6	Workshop 3, 90 min Cohort #1 Buildings sign up here for Jan 6 or Jan 22
PL100 - Getting Started Brief demonstration of neuroscience design Create ST Math introduction plan for students Creating classes and rostering students Setting usage goals and expectations Supporting students using the Problem Solving Process	PL103 - Enhancing Instructional Practices Using ST Math in Stations Writing in Math Rich Tasks with ST Math	PL 102 - Monitoring and Supporting Students Analyze and respond to ST Math data Identify areas of success and growth Use assignments to align and differentiate instruction	PL 109 - Puzzle Talk Foundations Engage students in mathematical discourse and creative problem solving

ST Math: Cohort #2



This option is for schools that want to implement ST Math in 2 grade levels SY24-25. It includes onboarding two *Champion Teams* with orientation to the ST Math resource, enhancing instructional practices, data-informed planning and monitoring, and how to orchestrate productive mathematics discussion. Educators, including teachers, co-teachers, coaches and administrators should attend.

REQUIRED: 2 grade level teams selected by building administration as the *Champion Teams* to initially implement STMath as a supplementary math learning resource. **Substitutes covered by district budget.**

Workshop 1 Aug 7, 2024 7:45-10:45 or 12:30-3:30 IST at Overland-Prairie Campus or ISF Register in PL Hub		Workshop 2 Nov 21, 2024 or Nov 22, 2024 7:45-10:45 or 12:30-3:30 IST at Overland-Prairie Campus Register in PL Hub	
PL100 - Getting Started Brief demonstration of neuroscience design	PL103 - Enhancing	PL 102 - Monitoring and	PL 109 - Puzzle Talk
	Instructional Practices	Supporting Students	Foundations
	Using ST Math in Stations	Analyze and respond to ST	Engage students in

Create ST Math introduction Writing in Math Math data mathematical discourse and plan for students Rich Tasks with ST Math Identify areas of success creative problem solving Creating classes and and growth rostering students Use assignments to align Setting usage goals and and differentiate instruction expectations Supporting students using the Problem Solving Process

ST Math Champion Lead Teacher: Cohort #1 & 2



This option is for the two lead teachers selected from each school from cohort #1 and cohort #2. Champion Lead(s) Includes year 1 of a 3 year ST Math Champion development program Substitutes covered by district budget.

REQUIRED: 2 people per building selected to be a part of the 3-year <u>ST Math Champion development program</u>

May 13, 2024 7:45-3:30 ISF 146 Register in PL Hub	Aug 3-hour in person	Sept 17 Virtual 11:00-12:00 OR 2:50-3:50 Register in PL Hub	Oct 8 Virtual 11:00-12:00 OR 2:50-3:50 Register in PL Hub
Empowerment Day 1 Conference Style Champion Empowerment session with Keynote from MIND Thought Leader and breakout sessions for individualized learning and collaborative implementation planning.	Workshop 1 Join the PL100 and PL103 session with your school team during work week. *Note: Principals of Cohort 1 will sign all staff up for training. Champion Leads and Cohort 2 implementing grade levels	Champion Hour 1: Building Momentum - Launch Debrief - Data Monitoring - Planning a STMath Challenge	Champion Hour 2: Equipping Teachers - Debrief challenge - Admin communication - Data rhythms
	need to <u>Register in PL Hub</u> .	recording links here	recording links here
Nov 21 or Nov 22, 2024 7:45-3:30 Fremont 164 Register in PL Hub	Jan 23, 2025 or Jan 24, 2025 7:45-10:45 or 12:30-3:30 Register in PL Hub	March 11 Virtual 11:00-12:00 OR 2:50-3:50 Register in PL Hub	May 5 7:45-3:30 ISF 146 Register in PL Hub
Empowerment Day 2 Extended Puzzle Talks for Champions *Note, the rest of the grade level team in cohort 2 attends a half day session and Champion Leads will attend a full	Empowerment Day 3 Champions observe Puzzle Talk Modeling, debrief and plan for application of learning	Champion Hour 3: Data Deep Dive Responding to grade level data	2nd Annual Empowerment Conference Keynote from MIND Thought Leader and breakout sessions for individualized learning and



This option is for educators that support students who qualify for IEPs or provide pull out math instruction in addition to the core tier 1 math block.

REQUIRED: K-5 Moderate Needs teachers that provide targeted specialized instruction for students with IEP math goals. **Substitutes covered by SPED district budget**

OPTIONAL: Educators that support math intervention in a pull out model that is in addition to the core math block.

Part 1	Part 2
Aug 6, 2024	Nov 4, 2024
<u>Register in PL Hub</u>	<u>Register in PL Hub</u>
PL100 - Getting Started Brief demonstration of neuroscience design Creating classes and rostering students Setting goals and expectations Supporting students using the Problem Solving Process	PL 102 - Monitoring and Supporting Students Writing and progress monitoring IEP goals Analyze and respond to ST Math data Identify areas of success and growth Use assignments to align and differentiate instruction

Job Embedded in Building Support: K-5



Includes professional learning from 2Partner as coordinated by building administration. Support can include Collaborative Team support, lab classroom development, daily lesson planning support, lesson studies, lesson demonstrations, principal walkthroughs, principal labs etc.] **Substitutes NOT covered by district budget.**

Menu of Support Options

Form to Submit Request for Support

** When Substitutes are Covered by District Budget: Once staff have registered in the PL HUB, they need to reach out to their Office Managers and or Sub Liaisons to let them know they will need sub coverage for the date(s) of their training(s). Office Managers and or Sub Liaisons need to use their site's default sub code for Professional Leave in Frontline. OMs and SLs can reach out to Becky Miller (rmiller2) (x45022) with any questions