



Foundations for Implementation – Session 2

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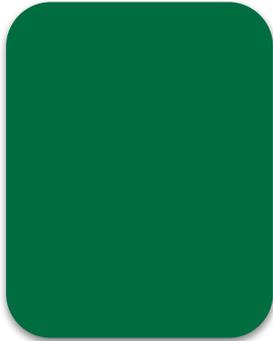
Rev 6/8/23 (ce)

Welcome!

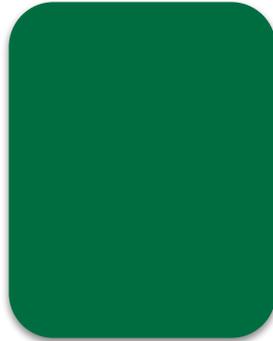
CPM Virtual Learning Series



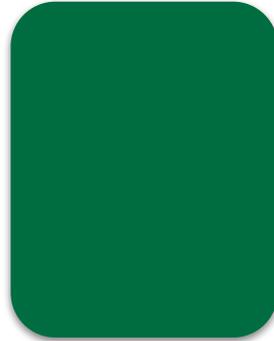
Session Facilitators



Name



Name



Name

**Regional
Professional
Learning
Coordinator**

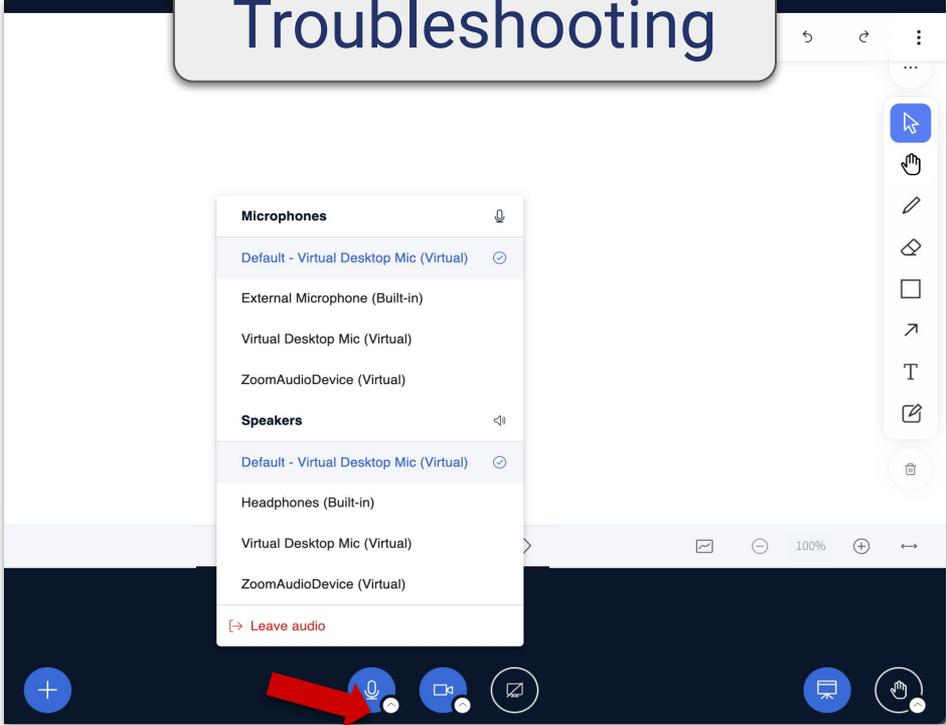
Tech Tip



Audio



Troubleshooting

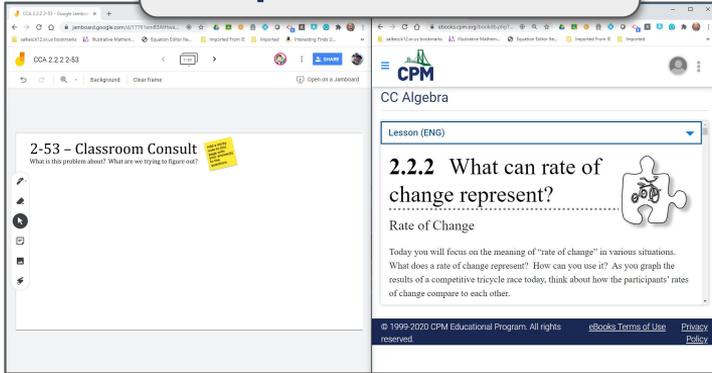


Tech Tip

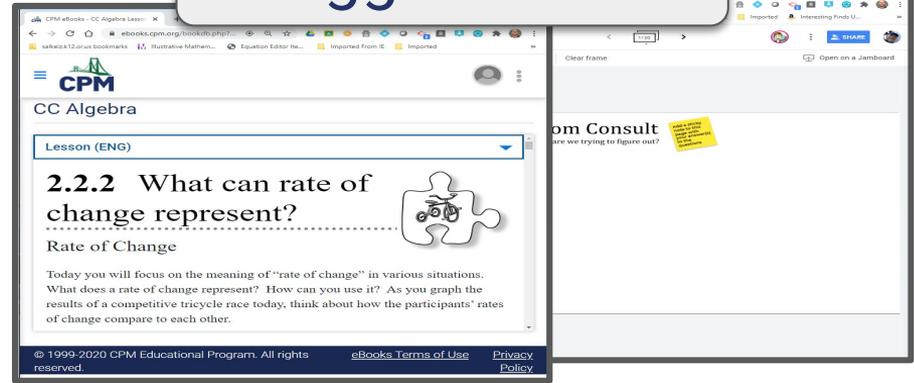
Setting up your screens



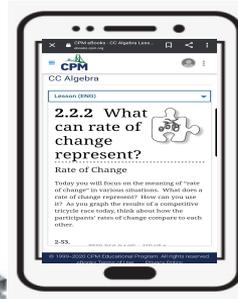
Split Screen



Stagger Screen



Multiple Devices

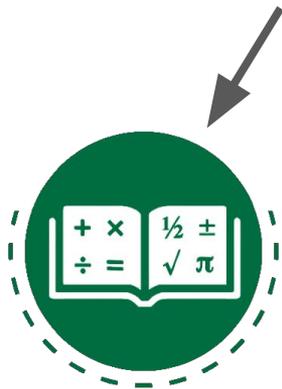


Opening

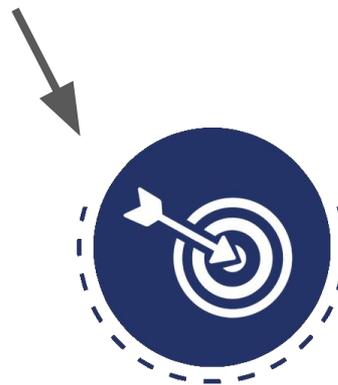
Foundations for Implementations



CPM's Professional Learning On-Demand



Content Modules



Instructional Modules

Opening

Outcomes



Participants will:

- + Connect collaborative learning research to classroom practices.
- + Learn how to establish and maintain effective study teams in your classrooms.
- + Collaborate and learn with other teachers.

Agenda

Session Two

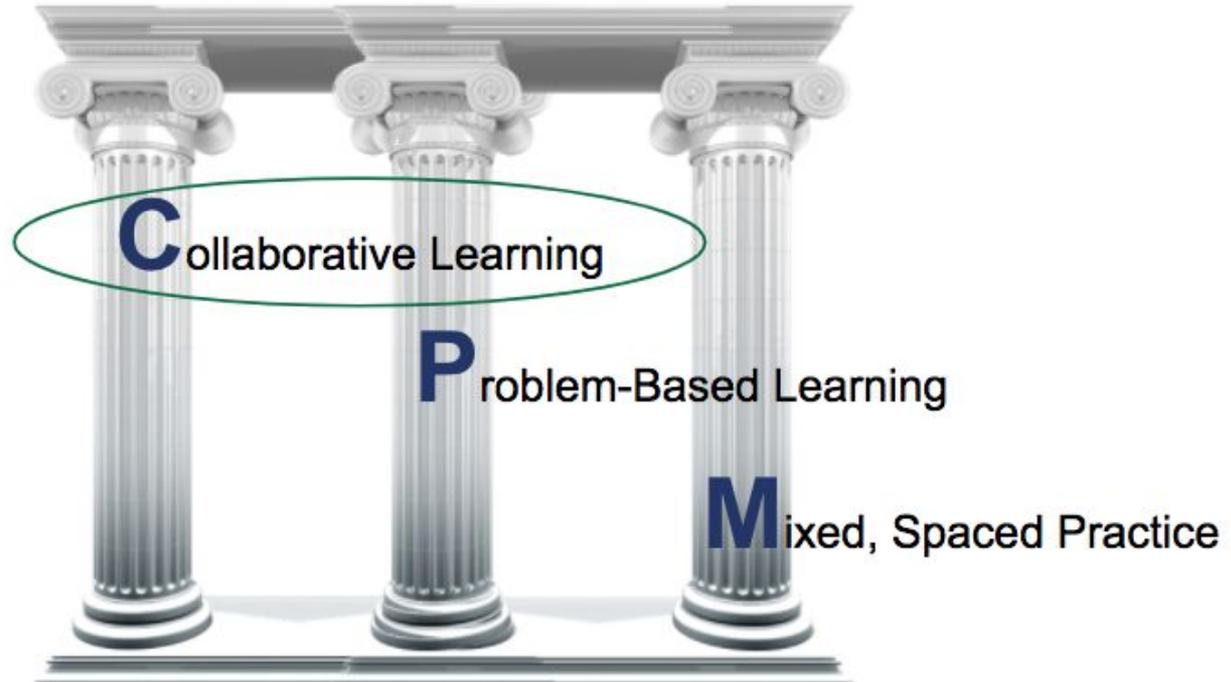


Focus: Collaborative Learning

- Icebreaker
- Team Agreements
- Math Thread
- Content Modules
- Closure

Opening

Three Pillars of CPM



Opening

CPM's Guiding Principles



Students deepen their mathematical understanding when they are engaged with concepts over time.



Students have significantly better retention of mathematics when concepts are grounded in context.



Students' involvement in effective study teams increases their ability to learn mathematics.



Effective study teams are guided, supported, and summarized by a reflective, knowledgeable teacher.



Assessing what students understand requires more than one method and more than one opportunity.



When students and stakeholders embrace a growth mindset, they understand that mastery takes time, effort, and support.

Opening

Working Agreements



- + Be willing to take **risks**.
- + Have a **visionary** mindset.
- + Stay **engaged**.
- + Explore and reflect on our **beliefs**.
- + Give **grace** to others and ourselves.

Change takes time, effort, and support!

Click on your name and set your status to thumbs up if you are ready to begin.



Agenda

Session Two



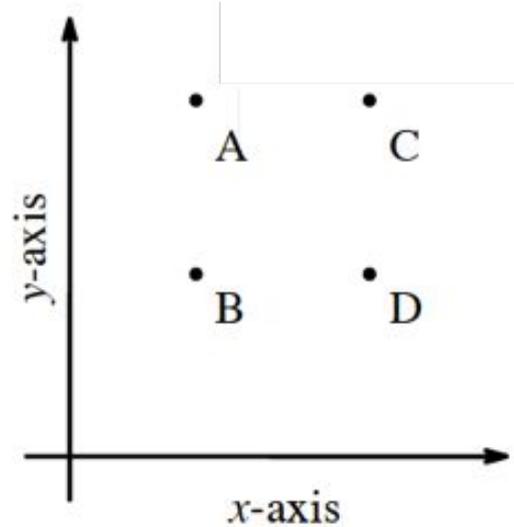
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Icebreaker



Team Roles will be decided alphabetically by first name.



Icebreaker

Teacher Tip



**Take Time for
Team Building**



**Plan and Support
Study Teams**

Icebreaker

Teacher Tip



Chapter 6 ▾
Chapter 7 ▾
Chapter 8 ▾
Chapter 9 ▾
Chapter 10 ▾
Reference ▾
Teacher ▸
Program Description
Course Preparation
Standards Practices
Teacher Support
Closure
Assessment
Team Support

Using Study Teams Purpose Organizing Classroom Assigning Working in Teams Norms
Using Roles Participation Quiz Teacher Interaction Intro STTS **Team Resources**

Team Resources



Sorts	Team Roles/Norms	Team Strategies
Team Sort Ideas	Table Tents (ESP)	Strips
Famous Pairs & Fours Team Sort	Cards (ESP)	Cards
Function Machine Team Sort	Placemat (ESP)	
Grouping Sticks Team Sort	Lanyards (ESP)	
Sorting by Shapes Team Sort	Norms (ESP)	
	Colored Cards (ESP)	
	Teams Poster (ESP)	
	Colored Team Roles Placemat (ESP)	

eBook ▸ Teacher Tab ▸ Team Support ▸ Team Resources

Brain Break

Virtual Scavenger Hunt



How to play?

- + You will be asked to produce a random object.
- + If you have the item, set your status to raise hand.
- + The first person to set their status will show their item to the class to claim victory of that round.

Round
1



Can Good

Round
2



Stuffed Animal or Pet

Round
3



Something that
represents you

Agenda

Session Two



Focus: Collaborative Learning

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- Teams
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Team Roles

Collaborative Learning



How do we create an environment for effective collaborative learning?

Establish and
maintain
Team Roles
and Team
Routines

Intentional use
of Study Team
& Teaching
Strategies
(STTS)

Circulation,
questioning, &
team
interactions

Teams

Creating Effective Study Teams



“The strength of the team is each individual member. The strength of each member is the team.”

- Phil Jackson

Teams

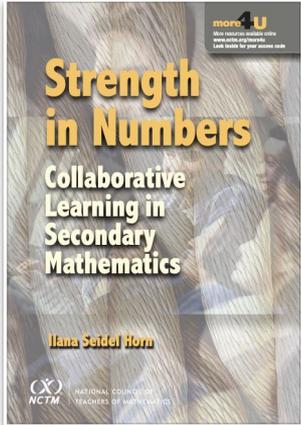
Creating Effective Study Teams



Looks Like

Sounds Like

Feels Like



Team Agreements

Collaborative Learning Expectations



Together, work to learn mathematics

Explain and give reasons

Ask questions and share ideas

Members of your team are your first resource

Strive for understanding



Team Agreements

Teacher Tips



Establishing Team Agreements

Involve Students

Provide Feedback

Display Team Agreements

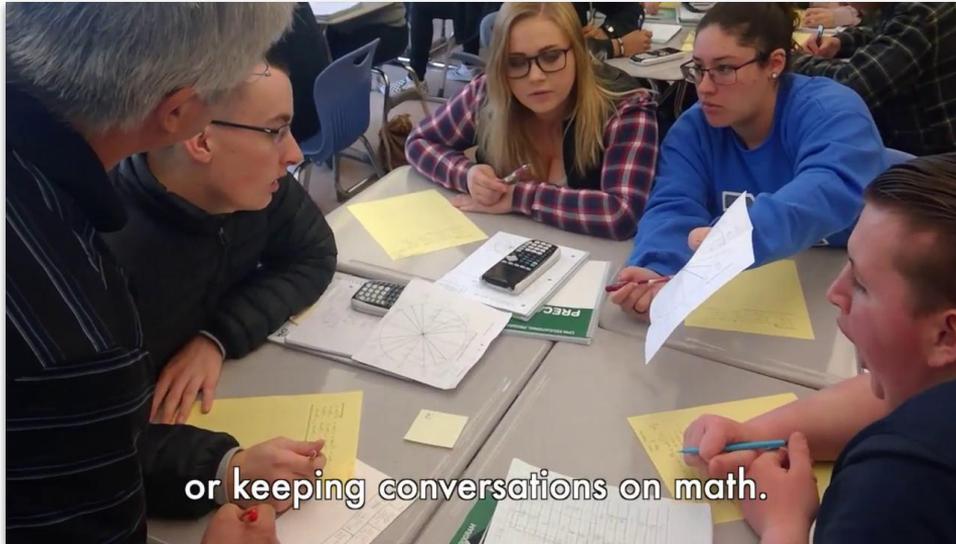


Team Agreements

Teacher Tips



Participation Quiz



or keeping conversations on math.

Agenda

Session Two



Focus: Collaborative Learning

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Math Thread

Team Agreements and Roles



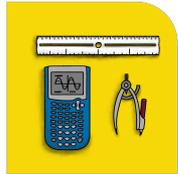
Together, work to learn mathematics

Explain and give reasons

Ask questions and share ideas

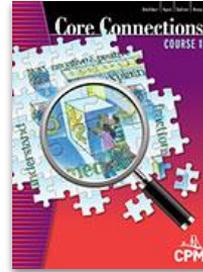
Members of your team are your first resource

Strive for understanding



Math Thread

Core Connections, Course 1
Lesson 1.1.3 (Grade 6)



Math goal:
Recognize change in patterns and make predictions.



Team goal:
Collaborate and work effectively with your study team.

Math Thread

CC1 Lesson 1.1.3



Welcome Back!

Set your status to reflect how your team did with meeting the Team Goal.



Team goal:

Collaborate and work effectively with your study team.

Math Thread

CC1 Lesson 1.1.3 Closure



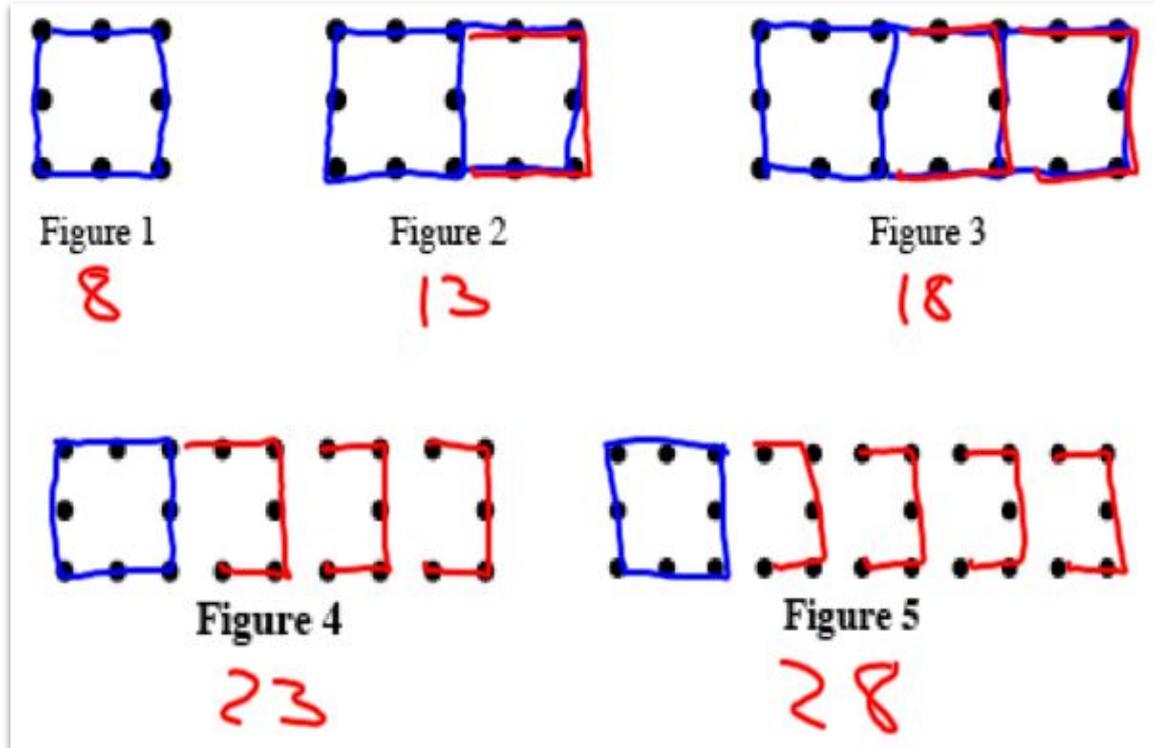
How many different ways did your team see the pattern?



Answer in the Public Chat

Math Thread

Debrief CC1 Lesson 1.1.3 (Student Work)



Math Thread

Debrief CC1 Lesson 1.1.3 (Student Work)

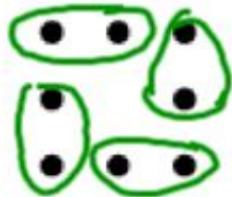


Figure 1

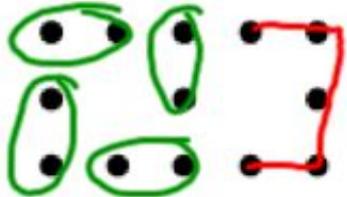


Figure 2

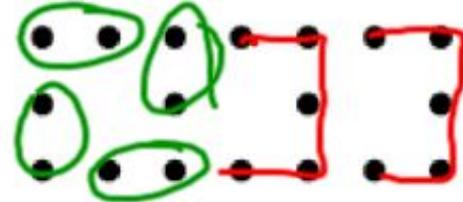


Figure 3

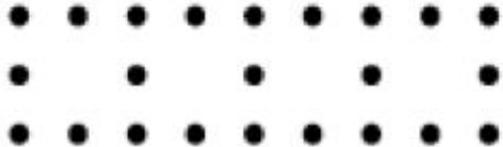


Figure 4

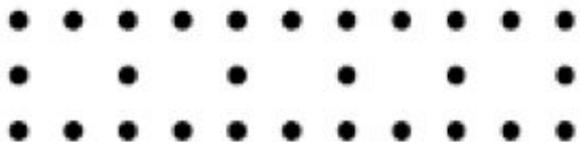
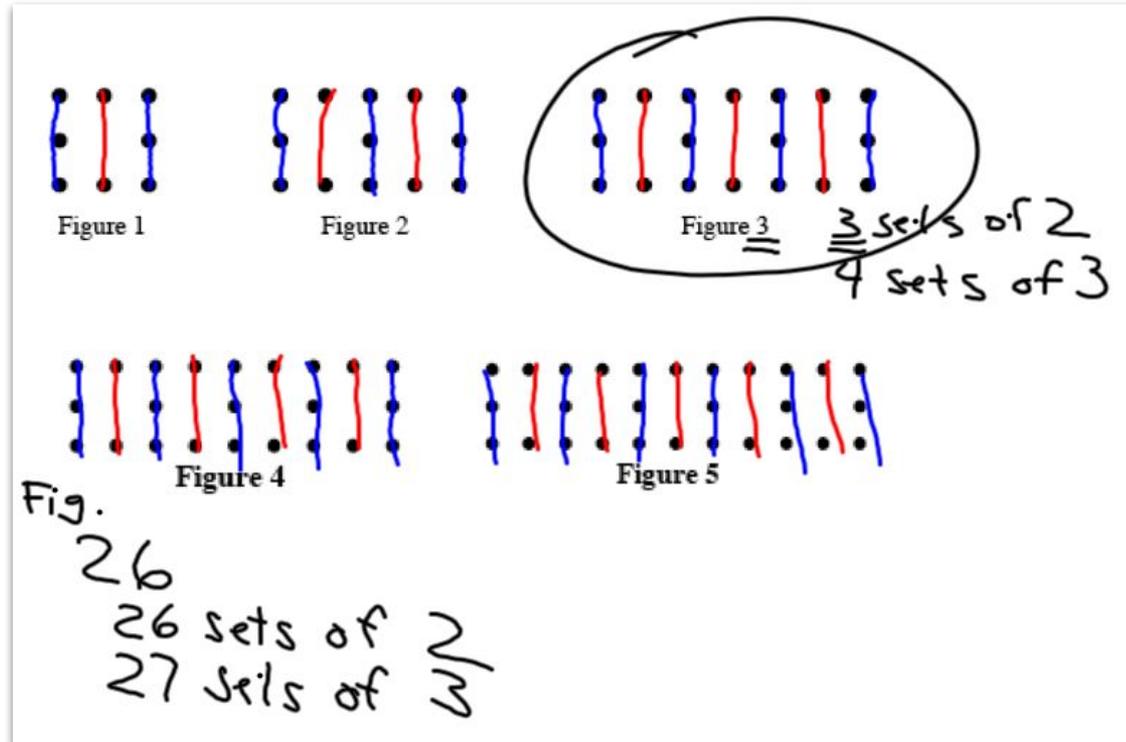


Figure 5

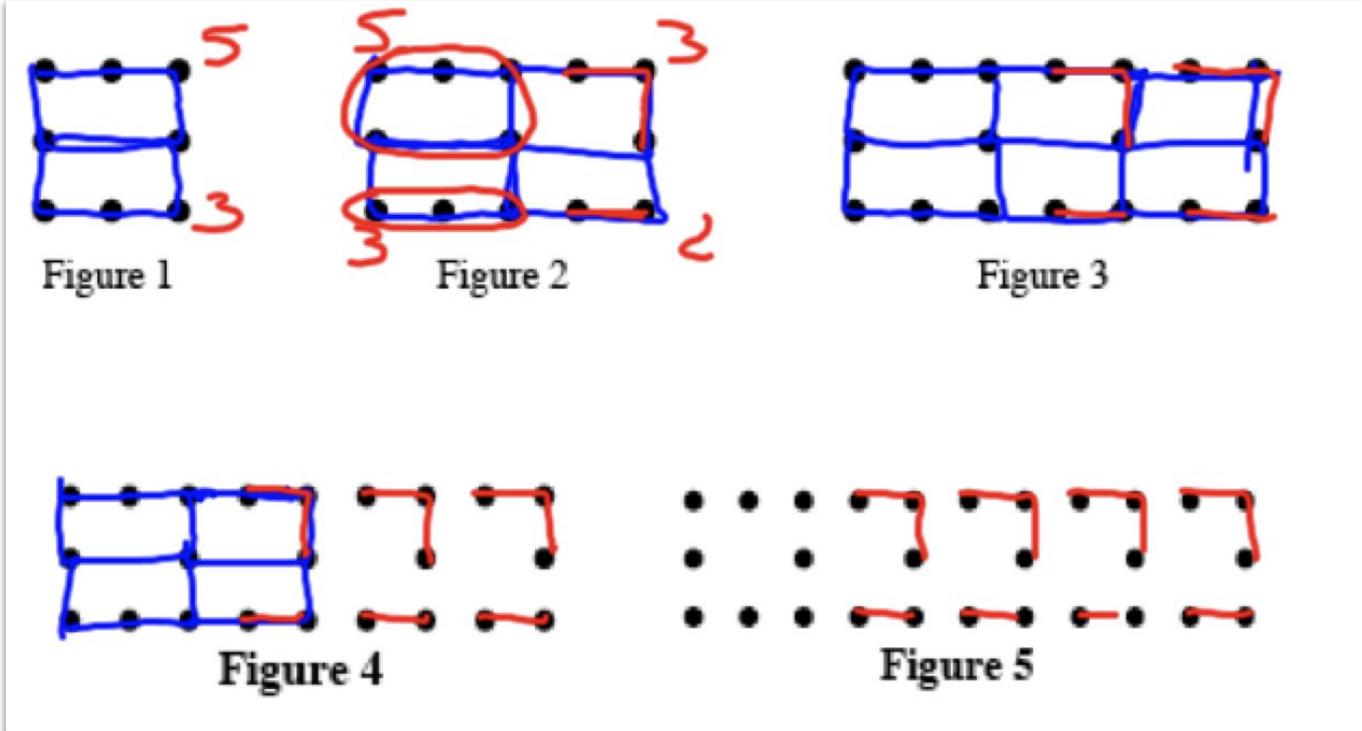
Math Thread

Debrief CC1 Lesson 1.1.3 (Student Work)



Math Thread

Debrief CC1 Lesson 1.1.3 (Student Work)



Agenda

Session Two



Focus: Collaborative Learning

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- Closure

Content Modules

Foundations for Implementations



Content Modules

CORE CONNECTIONS, COURSE 3 (CC3) CONTENT MODULE ...
Foundations for Implementation

When you self enroll into this module, you will be enrolled into the entire series of CC3 Content Modules.

If you wish ...

CORE CONNECTIONS, COURSE 2 (CC2) CONTENT MODULE ...
Foundations for Implementation

When you self enroll into this module, you will be enrolled into the entire series of CC2 Content Modules.

If you wish ...

On-Demand Modules

Content Modules

Foundations for Implementation



The screenshot displays the CPM Professional Learning Portal interface. The top navigation bar includes the CPM logo, the text "PROFESSIONAL LEARNING PORTAL", and user information for Ashley Boyd. A left sidebar contains a menu with items like "Participants", "Badges", "Grades", "General", "Launch", "Activity 1: Chapter Overview", "Activity 2: Doing the Math", "Closure", "My Dashboard", "Live Events Schedule and Registration", "On-Demand Modules", "2023 Teacher Conference", "Calendar", and "Private files".

The main content area is titled "CC1 CONTENT MODULE 2" and shows a breadcrumb trail: "My Dashboard / Modules / CC1 CM2". Below this, the section "ACTIVITY 2: DOING THE MATH" is highlighted. A list of activities follows, each with a right-pointing arrow icon:

- Chapter 2 Walkthrough
- Section 2.1 Mathcast (indicated by a red arrow)
- Lesson 2.1.1
- Lesson 2.1.2
- Insider Information: Episode 2.1 (indicated by a red arrow)
- Section 2.1 Closure: Pre-Planning Reflection Questions
- Planning the Lesson Goal and Closure (1 unread post)
- Section 2.2 Mathcast

A "Restricted" notice is visible below the "Planning the Lesson Goal and Closure" activity, stating: "Not available unless: The activity Section 2.1 Closure: Pre-Planning Reflection Questions is marked complete".

Opening

Course Specific Content



There is a content module for every chapter of every course.

Agenda

Session Two

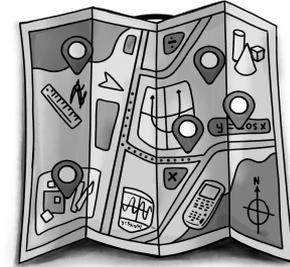


Focus: Collaborative Learning

- Icebreaker
- Team Agreements
- Math Thread
- Content Modules
- Closure

Closure

Implementation Action Plan



Danielle Boggs

- My Dashboard
- Profile
- Learning Log
- File Cabinet
- Action Plans
- My CPM PL Record
- CPM eBooks
- Participant Handbook
- Messages
- Preferences
- Log out

COLLABORATIVE LEARNING

TEAM ROLES

My plan for establishing and maintaining team roles in my classroom is...

No response yet

At least one actionable step I will commit to is...

No response yet

TEAM AGREEMENTS

My plan for establishing and maintaining team agreements is...

No response yet

At least one actionable step I will commit to is...

No response yet



Closure

Outcomes



Participants will:

- + Connect collaborative learning research to classroom practices.
- + Learn how to establish and maintain effective study teams in your classrooms.
- + Collaborate and learn with other teachers.

Closure

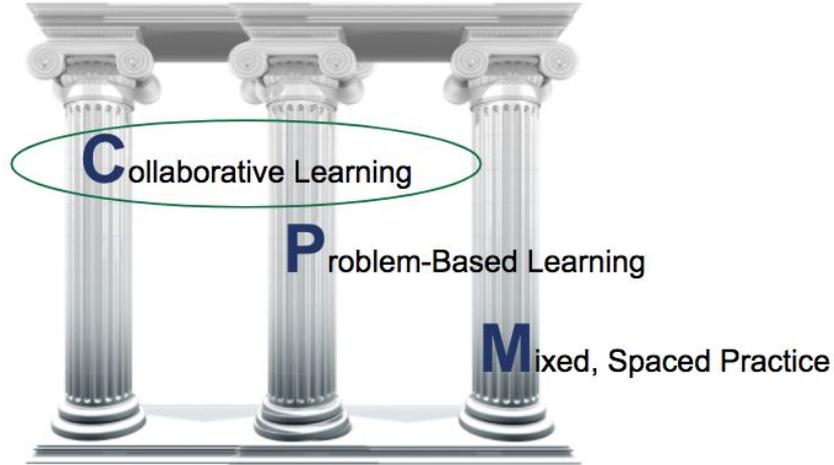
Study Team and Teaching Strategies



Ambassador	Fishbowl	Huddle	Notice & Wonder	Reciprocal Teach	Think-Ink-Pair-Share (T.I.P.S)
Carousel: Around the world	Fortune Cookie	I Spy	Pairs Check (Chat)	Red Light, Green Light	Think- Pair- Share
Carousel: Index Card	Gallery Walk	Jigsaw: 4 Corners	Participation Quiz	Silent Appointment	Traveling Salesman
Carousel: Station Rotation	Give One, Get One	Listening Post	Peer Edit	Silent Debate	Tuning Protocol
Dyad	Hot Potato	Numbered Heads	Pick Three	Swapmeet	Walk and Talk
Elevator Talk	Hot Seat	Math Chat	Proximity Partner	Teammates Consult	Whiparound

Closure

Three Research Pillars



Collaborative Learning

Students and teachers are aware of the purpose for and value of working in teams, and are familiar with team norms and roles.

Problem-Based Learning

Students and teachers share math authority as they value and engage in productive struggle. Teachers guide without taking over the thinking.

Mixed, Spaced Practice

Both individual lessons and chapters are followed, using suggested pacing. Review & Preview problems are assigned and valued as an essential part of learning.

Closure

Teacher Tips – Inclusion



Teacher Actions That Support *Inclusion*

Intentionally plan lessons without lowering the cognitive demand.

Use explicit agreements, team roles, and STTS to scaffold discussions and level status.

Allow time for students to shift from conceptual to procedural fluency.

Develop and assign competence to students using math learning behaviors.

Closure Support



ABOUT CPM

CPM's mission is to empower mathematics students and teachers through exemplary curriculum, professional development, and leadership.



Candidate for Accreditation

CONNECT WITH US

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- Teacher Research Corps Blog
- Slack for CPM Teachers
- More Math for More People Podcast

LINKS

- Event Registration
- Why Choose CPM?
- Professional Learning
- Participant Handbook
- Continuing Education Credit
- Terms of Use
- Privacy Policy

NEED HELP?

- (209) 745-2055
- support@cpm.org
- Knowledge Base
- [Regional Contacts](#)
- Report a problem

Closure



- + **Parking Lot**

- + **Attendance & Feedback**

Either scan the QR code

OR

Enter passcode in the portal

XXXXXX

- + **Next Steps:**

- Before the start of the school year:
 - Finish Introductions to Foundations Module.
 - Finish Instructional Modules 1 through 3.
 - Complete Content Modules 1 & 2.



@CPMeducationalprogram



@CPMmath

HOUSEKEEPING



ANCHOR PAGE



WELCOME



PUZZLE



TEAM GOAL



TEACHER LENS



LEARNING LOG



THREAD



CONTENT MODULE



MATH GOAL



STUDENT LENS



EQUITY LENS



ASSESSMENT



PRODUCTIVE STRUGGLE



RESEARCH PILLARS



MSP



COLLABORATIVE LEARNING



PBL



STUDY TEAMS



LEARNING TARGET



TASK CARD



TEAM ROLES ALL



RESOURCE MANAGER



TASK MANAGER



REPORTER RECORDER



FACILITATOR



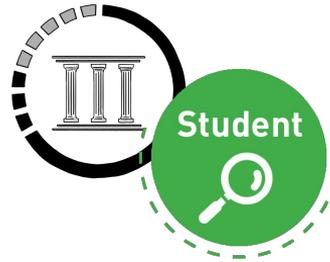
IMPLEMENTATION
ACTION PLAN



TEAM ROOMS



IMPLEMENTATION
PROGRESS TOOL



STTS

