AI in Action: Leveraging Co-Teach to Support Curriculum Based Lesson Internalization

Presentation Recording
Passcode: ^uqc+5ek

AI tools to support curriculum-centered lesson preparation and professional learning



What’s one challenge pre-service teachers face when preparing to teach a lesson using HQIM?”

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Agenda

01 Getting connected

02 Trying out Coteach together

03 How does Coteach work?

04 Trying out Coteach on your own

05 Questions & Discussion

bit.ly/coteach-bronx

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Meet your Facilitator



Riz Malik

- Coteach Fellow, Teaching Lab Studio
- Former Math Teacher (Grades 6-12)
- AI Researcher @ Stanford
- From London, based in New York

Magic Wand 🪄

If you had a magic wand to create or adapt anything

to support your work with Illustrative Math,

what will you use your magic wand to do?

For example:

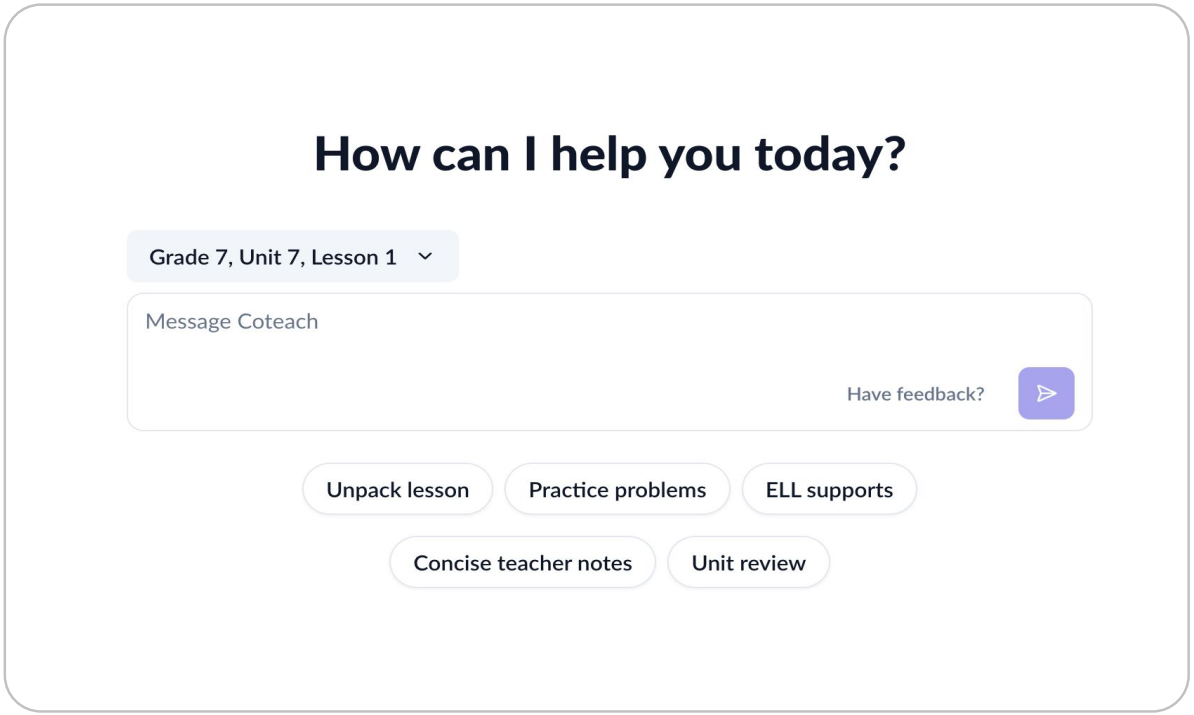
lesson planning & scaffolds • pacing • interventions • practice problems

Common requests for support

- Adjust pacing
- Respond to cool downs
- Support MLLs
- Tier II & III
- Differentiated practice
- Foundational skills review
- Just-in-time supports
- Prepare for misconceptions
- Cross-curricula integration

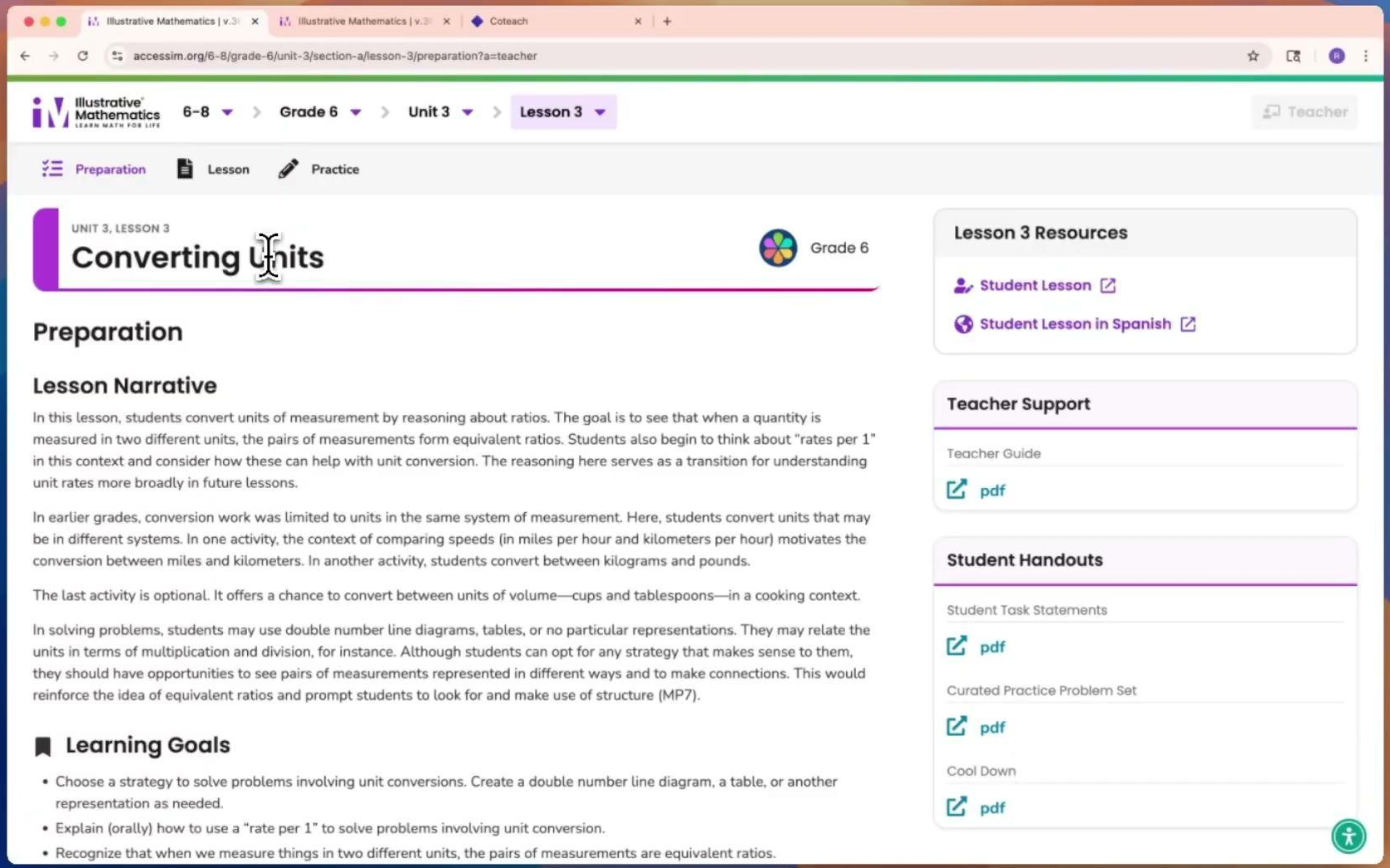
Coteach

We help you internalize and plan IM® v.360 lessons
to better fit your unique and dynamic classroom needs.



Proud product of Teaching Lab Studio

coteach.ai


Illustrative Mathematics | v.3
Illustrative Mathematics | v.3
Coteach
accessim.org/6-8/grade-6/unit-3/section-a/lesson-3/preparation?a=teacher
Illustrative Mathematics
LEARN MATH FOR LIFE
6-8
Grade 6
Unit 3
Lesson 3
Teacher
Preparation
Lesson
Practice
UNIT 3, LESSON 3
Converting Units
Grade 6
Preparation
Lesson Narrative
In this lesson, students convert units of measurement by reasoning about ratios. The goal is to see that when a quantity is measured in two different units, the pairs of measurements form equivalent ratios. Students also begin to think about "rates per 1" in this context and consider how these can help with unit conversion. The reasoning here serves as a transition for understanding unit rates more broadly in future lessons.
In earlier grades, conversion work was limited to units in the same system of measurement. Here, students convert units that may be in different systems. In one activity, the context of comparing speeds (in miles per hour and kilometers per hour) motivates the conversion between miles and kilometers. In another activity, students convert between kilograms and pounds.
The last activity is optional. It offers a chance to convert between units of volume—cups and tablespoons—in a cooking context.
In solving problems, students may use double number line diagrams, tables, or no particular representations. They may relate the units in terms of multiplication and division, for instance. Although students can opt for any strategy that makes sense to them, they should have opportunities to see pairs of measurements represented in different ways and to make connections. This would reinforce the idea of equivalent ratios and prompt students to look for and make use of structure (MP7).
Learning Goals
• Choose a strategy to solve problems involving unit conversions. Create a double number line diagram, a table, or another representation as needed.
• Explain (orally) how to use a "rate per 1" to solve problems involving unit conversion.
• Recognize that when we measure things in two different units, the pairs of measurements are equivalent ratios.
Lesson 3 Resources
Student Lesson
Student Lesson in Spanish
Teacher Support
Teacher Guide
pdf
Student Handouts
Student Task Statements
pdf
Curated Practice Problem Set
pdf
Cool Down
pdf

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Working with Coteach together



IM Curriculum

Open IM and navigate to

Grade 6, Unit 3, Lesson 3

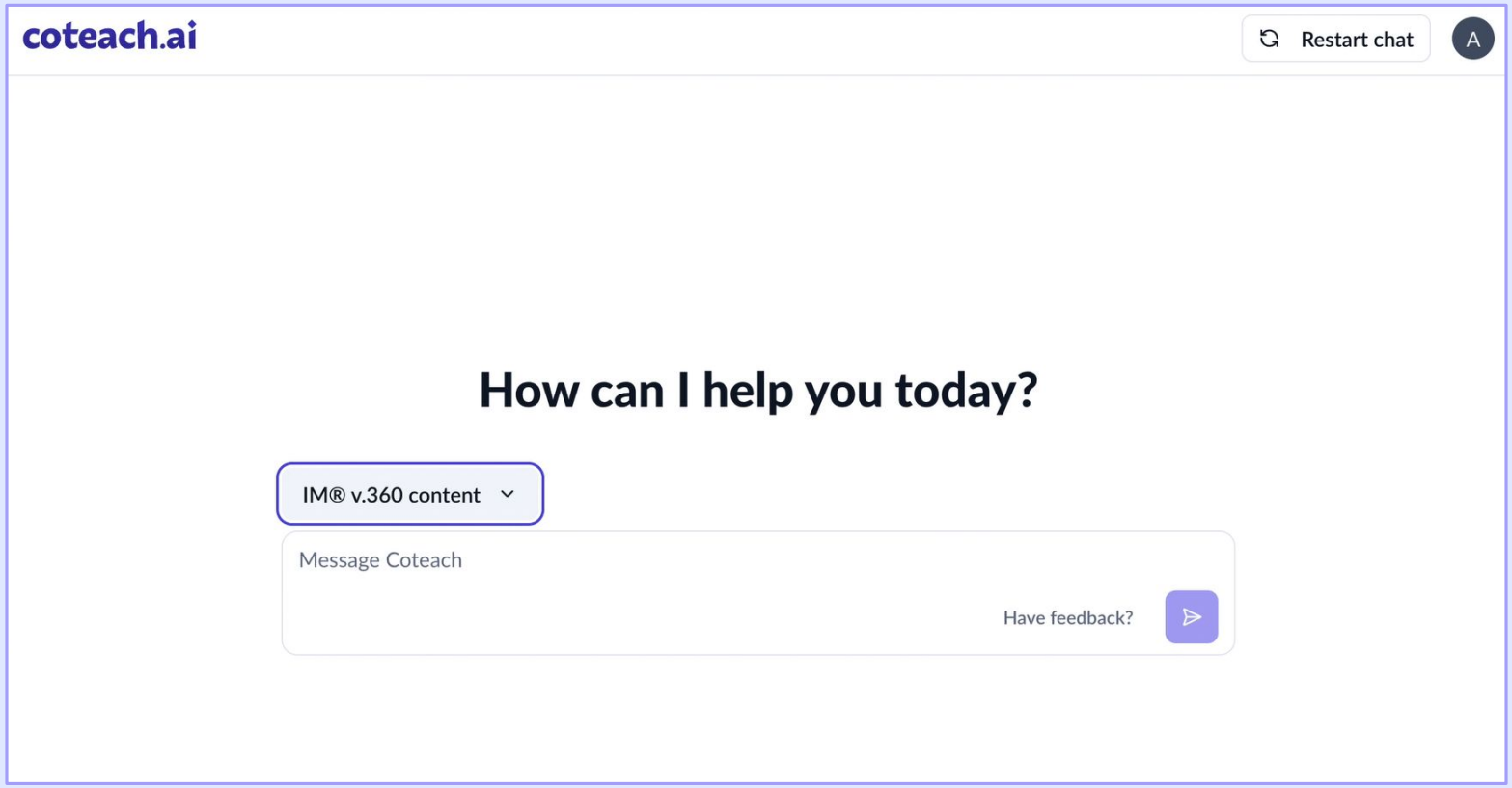


Prompt Library

Make a copy of the

Prompt Library

Working with Coteach together



Working with Coteach together

What did you like?

I **liked…**

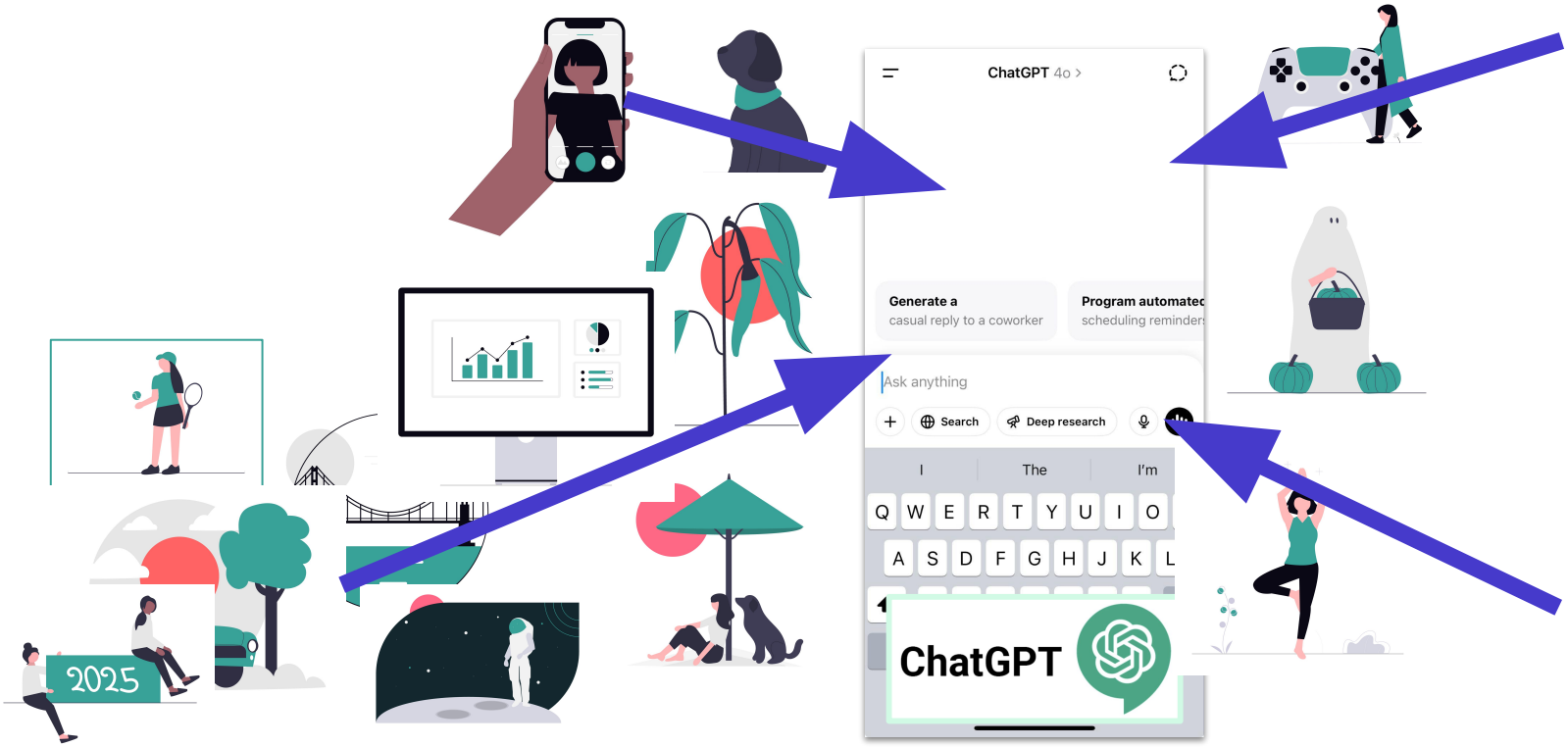
What are you wondering about?

I'm **wondering…**

What else or more would you like to see?

I'd **like to see…**

What makes Coteach different?



What makes Coteach different?

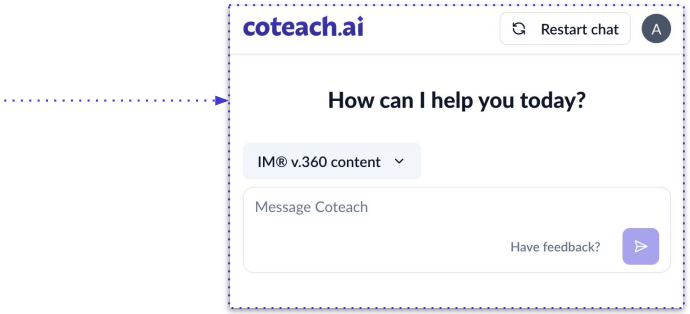
Directly integrated with IM v.360 content (lessons, teacher guides, assessments, student workbooks and support materials)

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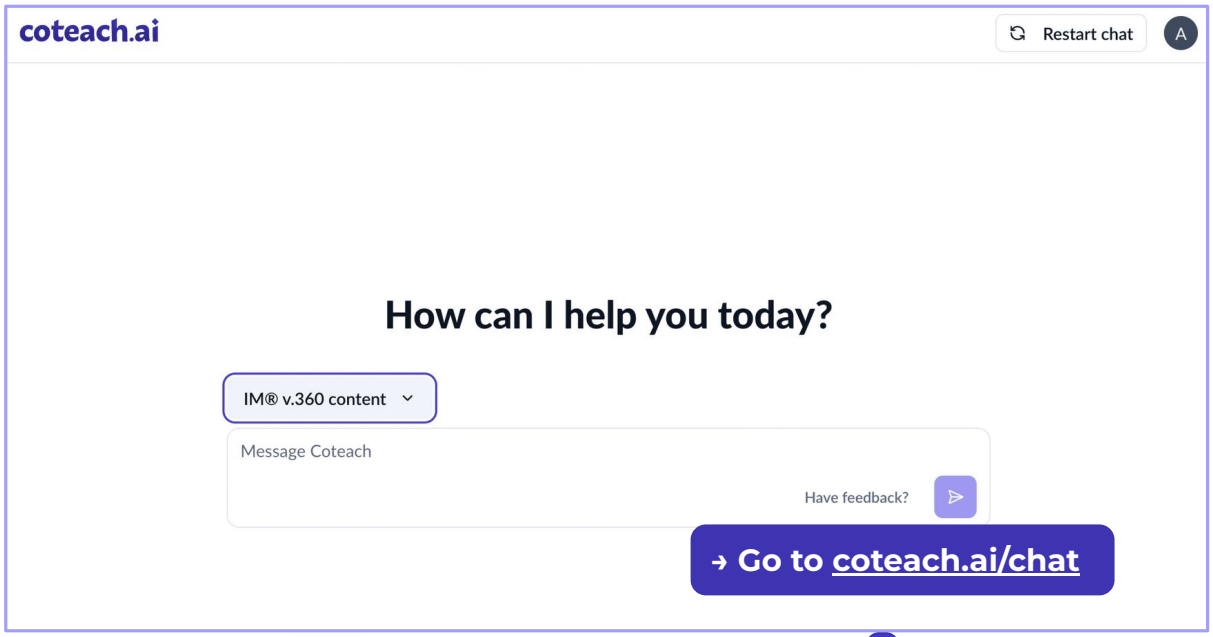
IM-aligned pedagogy and best practices

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Relevant context from the web



Try out Coteach with a partner

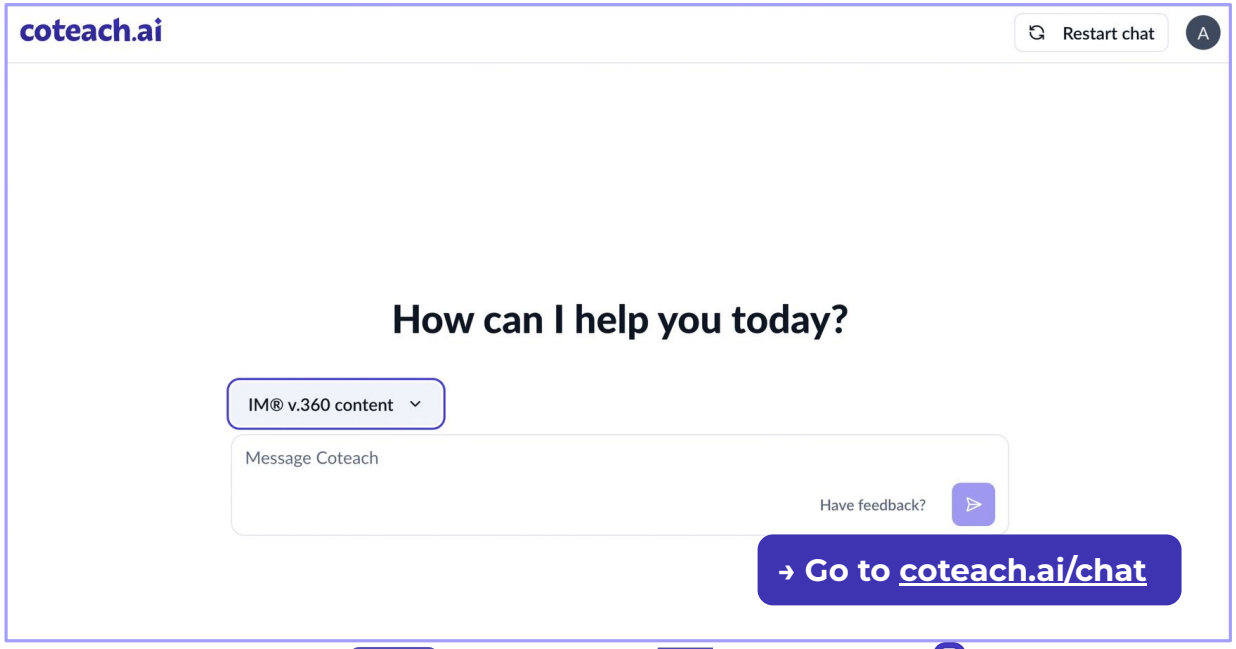


IM Curriculum

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Output Sharing

Try out Coteach with a partner



TIMER









IM Curriculum



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Output Sharing

Try out Coteach with a partner

What did you try? What did Coteach do?

What did you like?

What are you wondering about?

What else or more would you like to see?

What is Coteach?

Your AI assistant for Illustrative Mathematics® v.360.
With Coteach you can customize content to meet student needs.



Questions?

riz.malik@teachinglab.org

Resources

coteach.ai

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Output Sharing



More Resources

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- FAQ
- Get in touch