

# STEM Initiatives in REL Midwest

## Presentation to the PreK–12 STEM Education Innovations Committee

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# Meet the Presenter

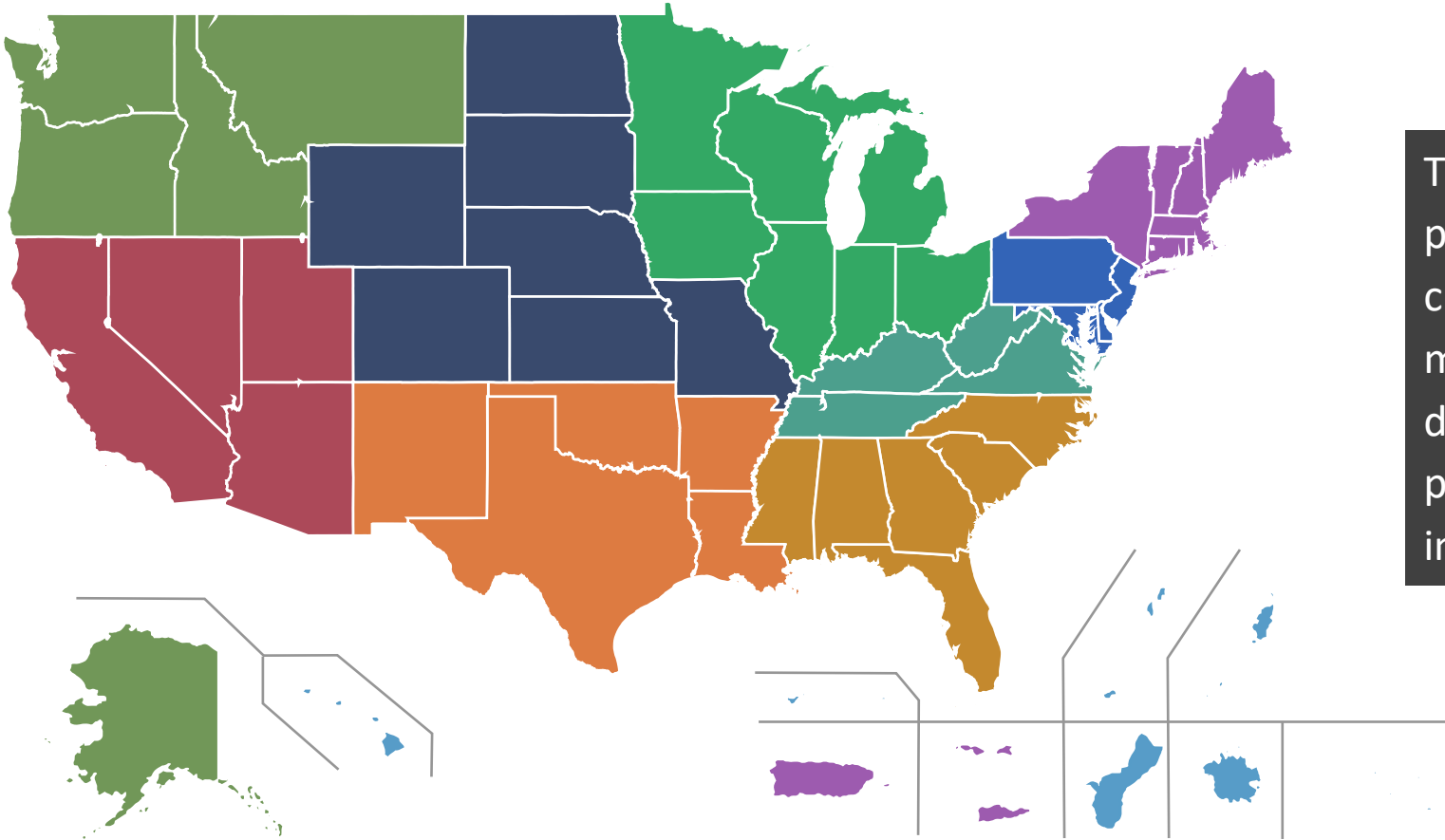


Katie Rich

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*REL Midwest*

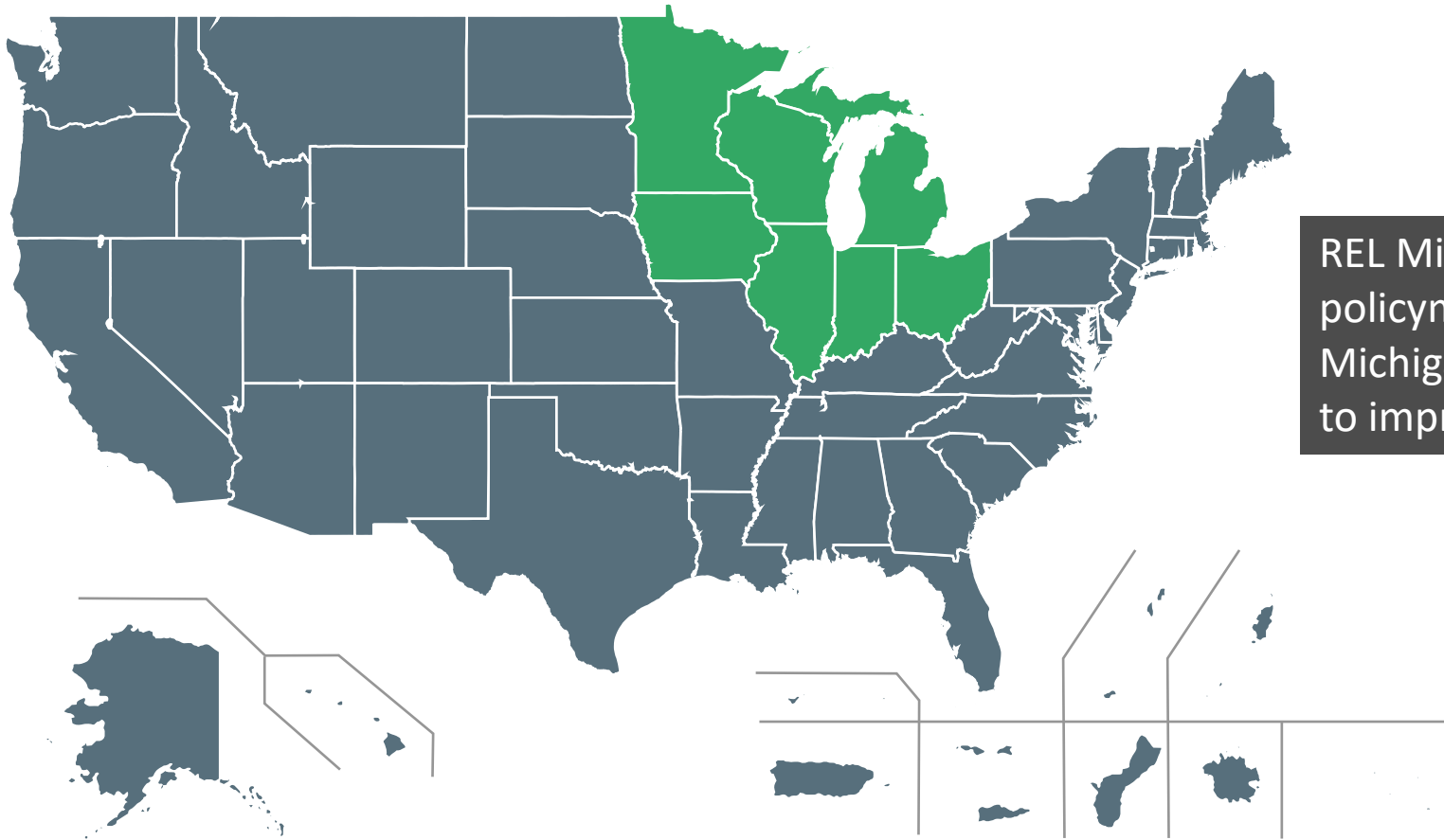
# The Regional Educational Laboratory (REL) Program



The 10 RELs partner with educators and policymakers nationwide. REL work is change oriented, supporting meaningful local, regional, or state decisions about education policies, programs, and practices designed to improve learner outcomes.

The RELs are funded by the U.S. Department of Education's Institute of Education Sciences (IES).

# REL Midwest



REL Midwest partners with educators and policymakers in Illinois, Indiana, Iowa, Michigan, Minnesota, Ohio, and Wisconsin to improve learner outcomes.



<https://ies.ed.gov/ncee/rel/region/midwest>

The RELs are funded by the U.S. Department of Education's Institute of Education Sciences (IES).

# REL Midwest Partnerships



Teaching Fractions Toolkit Partnership



Employability Skills Partnership



Data-Informed Leadership for Equity Partnership



Strategies to Improve Reading Partnership



Supporting Inclusive and Diverse Educator Environments Partnership



Making Equitable Schools Audit Partnership



ENgagement and Achievement through Computational Thinking Partnership

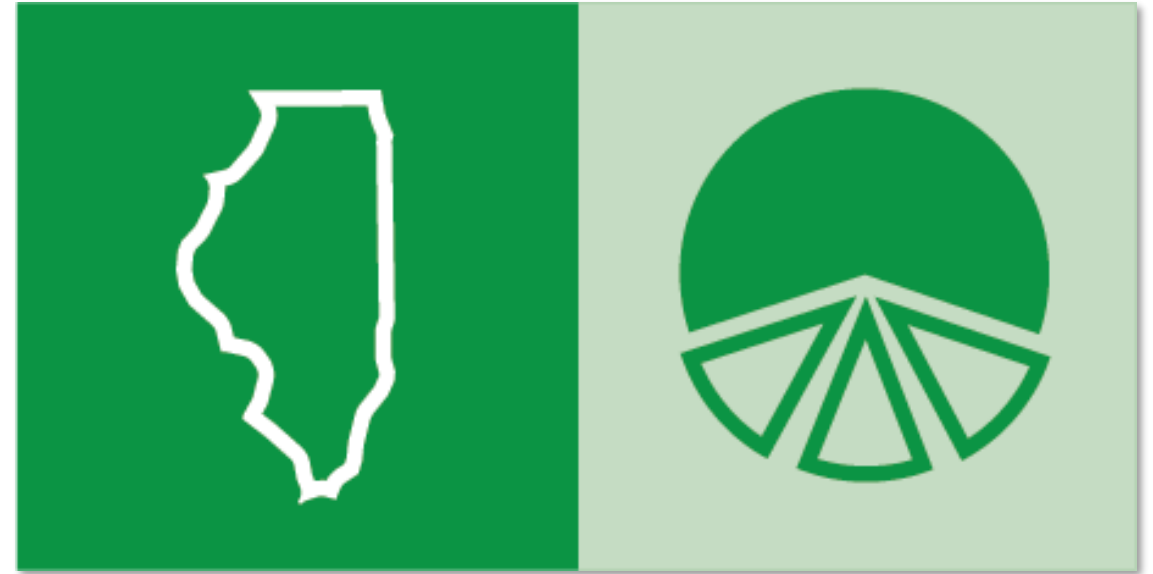


# Teaching Fractions Toolkit Partnership (Illinois)

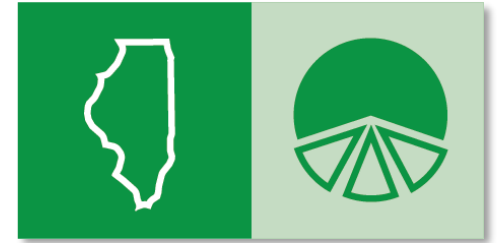
# Teaching Fractions Toolkit Partnership (Illinois)

REL Midwest is partnering with the Illinois State Board of Education and school districts in Illinois to **strengthen grade 6 students' conceptual understanding of fractions.**

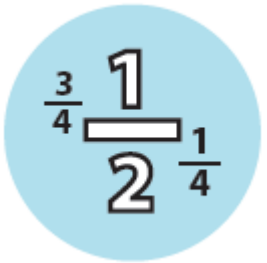
The **Teaching Fractions Toolkit Partnership** aims to narrow gaps in math achievement among Illinois student groups farthest from opportunity.



# Teaching Fractions Toolkit Partnership (Illinois)



The components of the **Teaching Fractions Toolkit** include:



**Professional development and supports for grade 6 math teachers** on evidence-based practices for teaching fractions, rational number computation, and related concepts.



**Supports for math leaders and school/district administrators** to reinforce the broader developmental trajectory of fraction understanding across grades PreK–8.



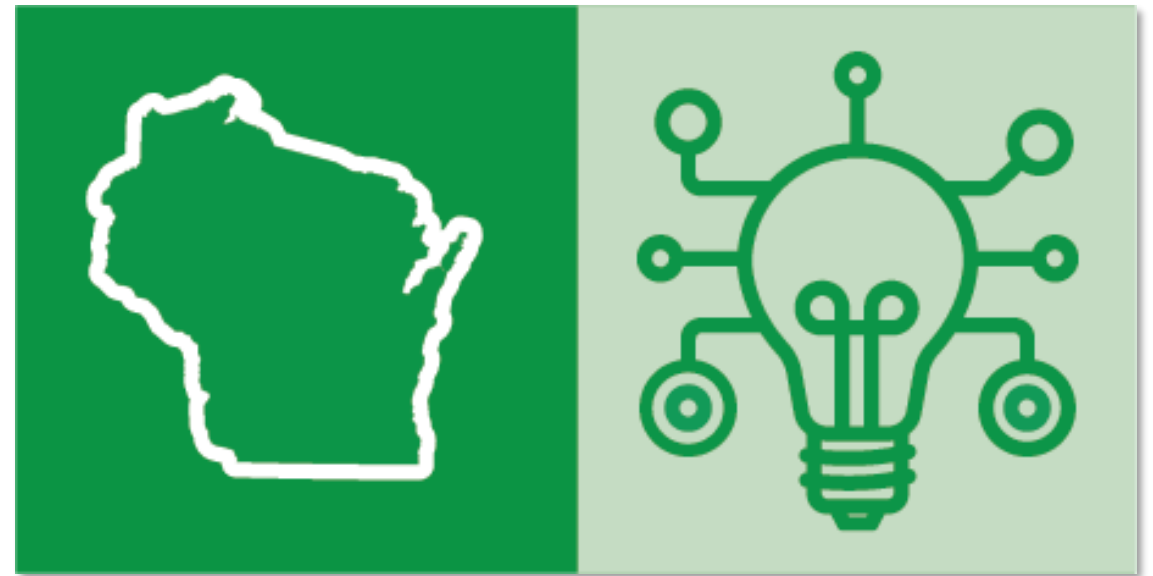


# ENgagement and Achievement through Computational Thinking (ENACT) Partnership (Wisconsin)

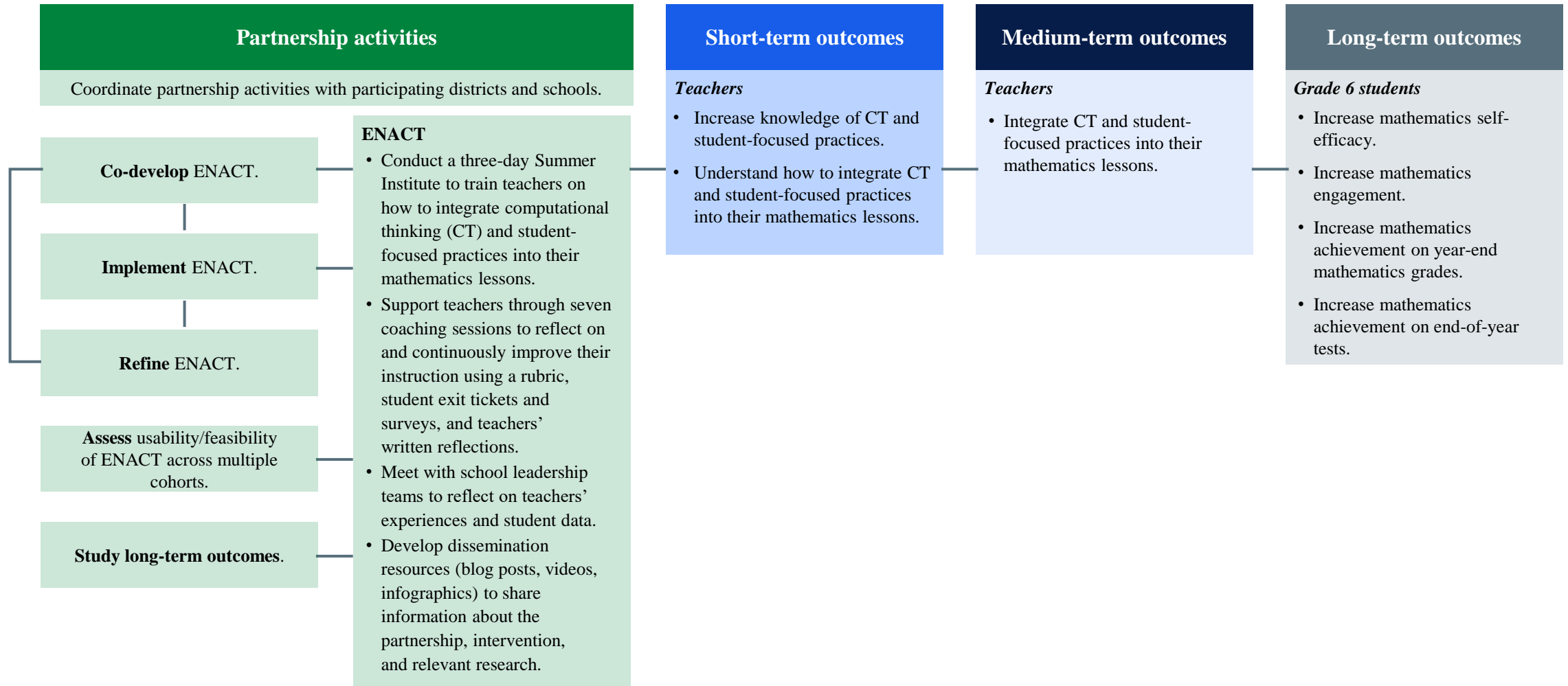
# ENgagement and Achievement through Computational Thinking (ENACT) Partnership (Wisconsin)

REL Midwest is partnering with school districts in Wisconsin to **increase grade 6 students' confidence, engagement, and achievement in mathematics.**

The focus of the **ENACT Partnership** is to develop, test, and refine an intervention to support Wisconsin grade 6 teachers in integrating **computational thinking** and **student-focused practices.**



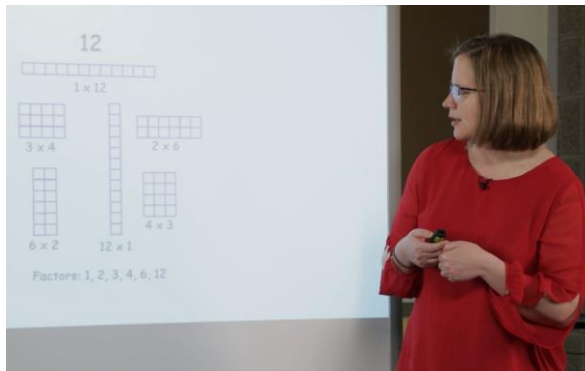
# ENACT Partnership (Wisconsin)—Impact



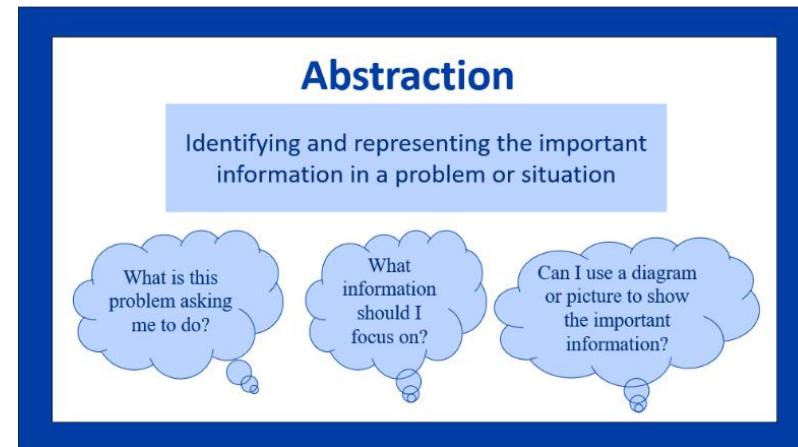
# ENACT Partnership (Wisconsin)—Scaling

To support scaling, the **ENACT Partnership** is committed to developing a robust set of resources that will support flexible implementation of the intervention in diverse contexts.

## Teacher-facing



## Student-facing



## Coach-facing

Date	Coaching Procedure	Notes
✓		
	1. One week before visit	
	a. <b>Support conceptual lesson planning:</b> Contact the classroom teacher prior to the in-person coaching visit to clarify any questions teachers have about the upcoming lesson.	
	b. <b>Facilitate logistical lesson planning:</b> Decide who will lead which parts of the lesson and coordinate material development. Remind teachers to complete their reflection forms and update their lesson logs before the visit, if they have not done so already.	
	c. <b>Facilitate planning of coaching day schedule:</b> Coordinate with teachers to create an agenda that includes location and time of coaching components (co-teaching, debrief) and how to gain access to the school building.	
	d. <b>Review and summarize teacher's student self-efficacy data.</b> Review the data from the teacher's first	

# Thank you!

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Sign up for the REL Midwest newsletter.

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