



Webinar Agenda

Assisting Students Struggling with Mathematics: What Works for Tiered Interventions in Elementary and Middle Schools

Thursday, September 21, 2017
2:00 p.m.–3:00 p.m. (Mountain Time)

This webinar will present research-based approaches to assisting students who are struggling in math, focusing on recommendations from the What Works Clearinghouse practice guide *Assisting Students Struggling with Mathematics: Response to Intervention for Elementary and Middle Schools* (Gersten et al., 2009). The webinar will include specific examples of instructional strategies related to those recommendations. Participants will receive the following information and instruction:

- An introduction into the What Works Clearinghouse practice guide *Assisting Students Struggling with Mathematics: Response to Intervention for Elementary and Middle Schools*.
- Research-based strategies to improve mathematics instruction for struggling students.
- Available resources and actionable knowledge that participants can implement to meet the needs of students who struggle in mathematics.

Agenda

2:00 p.m. Introduction to the Webinar

Facilitators: John Sutton and Stephany Brown (REL Central)

Participants will receive an overview of the webinar's platform features and chat instruction, and its goals and outcomes, and will be introduced to presenters.

2:05 p.m. Introduction to *Assisting Students Struggling with Mathematics: Response to Intervention for Elementary and Middle Schools*

Presenter: Russell Gersten (Instructional Research Group)

Participants will receive an introduction to *Assisting Students Struggling with Mathematics: Response to Intervention (RtI) for Elementary and Middle Schools* practice guide, an explanation of the relationship of this webinar to an earlier webinar on explicit and systematic instruction (recommendation 3), and an overview of all eight recommendations.

2:15 p.m. Participant Activity: Participants Discuss Key Recommendation Surprises and Importance

Presenter: Russell Gersten

Participants will review the key recommendations and levels of evidence and indicate (1) which level of evidence is the biggest surprise and (2) which recommendation is most important for their own current



teaching situations. (Registrants will be sent in advance a link to the IES practice guide that lists the eight recommendations, and the levels of evidence for each, so that they can review them before the webinar. They will also be notified that they will respond to questions about the levels of evidence during the webinar.)

2:25 p.m. Poll Review

Presenter: Russell Gersten

Russell Gersten will discuss poll results and present an overview of the levels of evidence and interrelationship between the eight recommendations.

2:35 p.m. Why Understanding Fractions and the Number Line Are Critical to Success in Math

Presenters: Russell Gersten and Robin Schumacher (Instructional Research Group)

Presenters will explain why understanding fractions is crucial for success in algebra and why developing students' ability to use the number line as a tool is critical for determining relative magnitudes and for explaining the rationale for division, addition, multiplication, and subtraction.

2:40 p.m. Participant Activity: Identifying Intervention Lesson Strengths

Presenters: Russell Gersten and Robin Schumacher

Participants will view an excerpt or case study from an intervention lesson and record what they see as strengths.

2:50 p.m. Introduction to Intensive Intervention Data-Based Instruction and Further Resources

Presenter: Russell Gersten and Robin Schumacher

Participants will learn about data-based instruction and the National Center on Intensive Intervention, and will be informed about where to find more resources.

2:52 p.m. Q&A

Facilitator: Stephany Brown

2:57 p.m. Closing

Facilitator: John Sutton