

## Agenda

Fractions Instruction Aligned with Research and the Florida Standards  
June 24, 2014

### *Objectives*

Participants will:

- develop a working knowledge of the evidence supporting the instructional practices for teaching fractions emphasized in the IES Practice Guide;
- learn how the principles in the Practice Guide link to CCSS;
- understand the content/recommendations of the Developing Effective Fractions Instruction for Kindergarten Through 8th Grade IES Practice Guide with emphasis on Recommendations 2 and 3 which focuses attention on instruction in fractions;
- analyze teaching video clips on student thinking about comparing fractions using a number line with discussions about students understandings and misunderstandings;
- explore other important ideas including equivalency, density, negative fractions, subtraction and division of fractions and the use of both irregularly partitioned and regular number lines to teach these concepts;
- learn about lesson study cycle as a PD method to further extend teachers' learning about their own teaching and ways to improve it; and
- ask clarifying questions.

The session will include a combination of lecture and small group interactive activities with small group discussions and hands-on activities.

**1 – 1:15 pm**

Welcome, Introductions & Objectives

*Debra Willacey, Florida Department of Education*

*Mary Jo Taylor, REL Southeast*

*This event is sponsored by REL Southeast.*

**1:15 – 1:45 pm** Research in the Area of Fractions and Introduction to the Practice Guide on Fractions

*Russell Gersten, Ph.D., REL Southeast*

**1:45 – 3 pm** In-depth Examination of Recommendations 2 & 3 of the IES Fractions Practice Guide

*Meghan Shaughnessy, Ph.D., University of Michigan*

*Tim Boerst, Ph.D., University of Michigan*

**3 – 3:15 pm** Break

**3:15 – 3:45 pm** In-depth Examination of Recommendations 2 & 3 of the IES Fractions Practice Guide

*Meghan Shaughnessy, Ph.D., University of Michigan*

*Tim Boerst, Ph.D., University of Michigan*

**3:45 – 4:25 pm** Using Fractions Materials with Lesson Study

*Rebecca Perry, Ph.D., Mills College of Education*

**4:25 – 4:30 pm** Wrap Up and Evaluations

*Russell Gersten, Ph.D., REL Southeast*

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