# Advice From K-12 and University-based Lesson Study Practitioners

MSRI, May 13, 2011



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Thanks to MSRI for funding substitute teachers for site-based participants.

Chair: Catherine Lewis, Mills College

Participants:

**District** 

Elizabeth Baker and Ruth Cossey, Mills College Jane Decker, Petaluma High School Brigitte Lahme, Sonoma State University David Foster, Silicon Valley Mathematics Initiative Jackie Hurd, Palo Alto Unified School District Erik Moll, Stan Pesick and Marlene Wilson, Oakland Unified School District Tracy Sola, Belmont-Redwood Shores School

# Session Outline

45 minutes for Q & A within the panel

- Focused on 5 key questions

45 minutes for Q & A with the audience

- Focused on your questions (submitted on index cards)

### 5 Key Questions

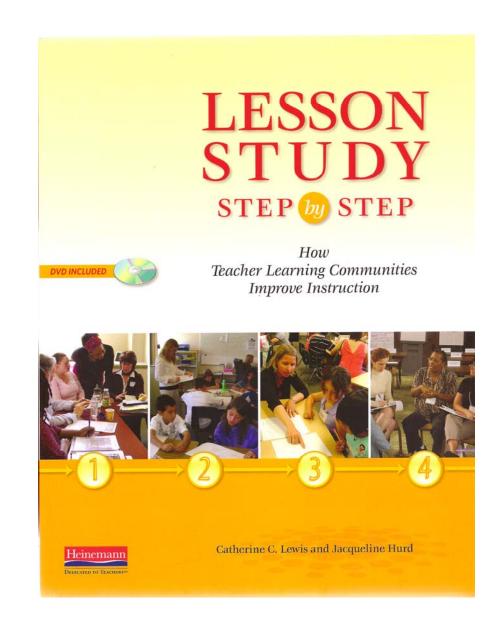
- How is lesson study similar to and different from other forms of professional learning you have experienced?
- What have you learned about mathematics and its teaching-learning through lesson study? What were the supports and catalysts for this learning?
- What advice do you have for mathematicians and mathematics educators who may be interested in initiating or participating in lesson study work?
- What tools and resources are useful for mathematics lesson study? What kinds of mathematical resources tend not to be useful?
- How should educators' mathematical misunderstandings be handled?

How is lesson study similar to and different from other forms of professional learning you have experienced?

What have you learned about mathematics and its teaching-learning through lesson study? What were the supports and catalysts for this learning?

What advice do you have for mathematicians and mathematics educators interested in initiating or participating in lesson study work?

What tools and resources are useful for mathematics lesson study? What kinds of mathematical resources tend *not* to be useful?



C. Lewis & J. Hurd (2011) Lesson Study Step by Step: How Teacher Learning Communities Improve Instruction. Portsmouth, NH: Heinemann.

## Follow-up Info: Brigitte Lahme

Brigitte Lahme, associate professor
Department of Mathematic and Statistics
Sonoma State University

### lahme@sonoma.edu

- Lesson Study in Mathematics for Elementary Teachers – Presentation at MSRI, December 2008
  - http://www.msri.org/web/msri/onlinevideos/-/video/showVideo/3964
    - (or google "MSRI SSU math ed")
- Project LEAD Lesson Study Share Case (SCOE Santa Rosa) on 5/21/2011

# How should educators' mathematical misunderstandings be handled?

# Follow-up Info

### **David Foster**

http://www.svmimac.org/lessonstudy.html

#### Catherine Lewis

www.lessonresearch.net

### Stan Pesick

http://www.teachingamericanhistory.us/lesson\_study/index.html