

# LSC RESEARCH UPDATE

## Professional Development Improves Mathematics and Science Teaching Practices

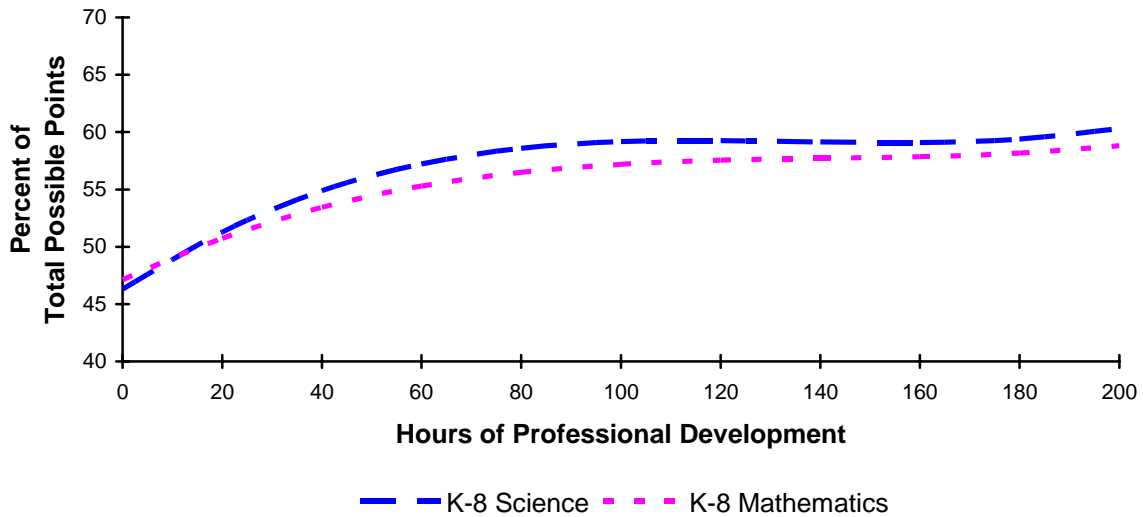
### FINDING:

K-8 classroom teachers used more investigative practices, high quality questioning, and sense-making of content in lessons.

### DATA:

## Impact of LSC on Teachers

Teacher Use of Investigative Teaching Practices,  
by Extent of Participation in Professional Development



### IMPLICATIONS:

Use of investigative practices increased as K-8 teachers participated in LSC professional development with most of the gains achieved in the first 80 to 100 hours. These gains result from sustained professional development, which enables teachers to move beyond basic curriculum implementation requirements and increases their understanding of the pedagogy and content necessary to improve their practice.

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