The Rice University Mathematics Leadership Institute/
Houston Independent School District Lesson Study Project

2010 Math and Science Partnership (MSP)
Learning Network Conference

Washington, DC   January 25-26, 2010
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Lesson Study Project

• Motivation for the project
• District-wide walk-through observations of all Algebra I teachers
  – 279 Algebra I teachers
  – 39 high schools
Lesson Study Project

• Rice University School Mathematics Project’s role
• MLI’s role
• Why lesson study
Lesson Study

- Study curriculum and formulate goals
- Plan
- Conduct research
- Reflect
- Replicate

Lewis, Perry, and Murata  2006
Lesson Study Project

• MLI lead teachers’ role

• Lesson selection, development, and refinement

• Taping and production of the exemplars video
Lesson Study Project

- District-wide professional development to support the project
  - Across the district concurrently with video production
Lesson Study Project

• The exemplars video "Mathematics in Motion" (Best Practices in Algebra I)

• Use of the lesson study protocol in schools to develop additional lessons
Impact

• District
• Teachers
• Students
Accolades

The video "Mathematics in Motion" (Best Practices in Algebra I) received a 2009 Texas School Public Relations Association (TSPRA) Gold Star Award for excellence in school communications.
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