

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

2010 Math and Science Partnership (MSP)
Learning Network Conference

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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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