

# Designing High Quality Professional Development for Teachers of Mathematics and Science

May 24-25, 2010  
Washington, D.C.

# MSP KMD Knowledge Reviews

Three series:

1. Deepening teacher content knowledge
2. Teacher leadership preparation and practice
3. Involvement of STEM disciplinary faculty in deepening teacher/teacher leader content knowledge

# Sample MSP KMD Knowledge Reviews

1. Deepening teacher content knowledge:
  - Strategies for a Purpose (e.g., use of student instructional materials)
  - Facets of teacher content knowledge
  - Program design

# Sample MSP KMD Knowledge Reviews

## 2. Teacher leadership preparation and practice:

- Strategies for teachers leaders providing classroom support
- Strategies for preparing teacher leaders to provide PD
- Selecting teacher leaders

# Sample MSP KMD Knowledge Reviews

3. Involvement of STEM disciplinary faculty in deepening teacher/teacher leader content knowledge:
  - Selecting STEM faculty
  - Ensuring STEM faculty participation
  - Orienting STEM faculty
  - Supporting STEM faculty