

Understanding and Applying the Standards for Mathematical Practice

Target Audience: K-8 Teachers, Special Education, Title I, Administrators

Intended Outcomes:

- Increased knowledge, skill, and language surrounding the Standards for Mathematical Practice
- Implementing the Standards for Mathematical Practice into lesson plans
- Consistency in mathematical vocabulary

Data Analysis/Pre-Assessment:

- Teacher pre-assessment to gain knowledge about their understanding of the Standards for Mathematical Practice.

Content/Modules:

- Standards for Mathematical Practice - Overview and Standards 1 and 6
 - Overview of the eight standards
 - Explore the language of Standards 1 and 6
 - Examine the goals for Standards 1 and 6
 - Experience methods to focus on putting Standards 1 and 6 into action in the classroom
- Standards for Mathematical Practice – Standards 2 and 3
 - Explore the language of Standards 2 and 3
 - Examine the goals for Standards 2 and 3
 - Experience methods to focus on putting Standards 2 and 3 into action in the classroom
- Standards for Mathematical Practice – Standards 4 and 5
 - Explore the language of Standards 4 and 5
 - Examine the goals for Standards 4 and 5
 - Experience methods to focus on putting Standards 4 and 5 into action in the classroom
- Standards for Mathematical Practice – Practices 7 and 8
 - Explore the language of Standards 7 and 8
 - Examine the goals for Standards 7 and 8
 - Experience methods to focus on putting Standards 7 and 8 into action in the classroom

Possible Resources: *Putting the Practices into Action: Implementing the Common Core Standards for Mathematical Practice* (O'Connell, SanGiovanni), *Common Core Sense: Tapping the Power of the Mathematical Practices* (Maynihan)

Data Analysis/Post-Assessment:

- Teacher post assessment to assess their current understanding of the Standards for Mathematical Practice.
- Teachers write lesson plans that include and identify mathematical practices.

Learning Design:

- Onsite professional development training experiences
- Onsite coaching and facilitation support
- Coaching support for teachers and leaders

**Learning design is customized to building-level needs*

Fee: Based on the Individual District's Plan

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