Speaking Points

Alignment of Content to Texas Standards
Professional Development
Rigor and Critical Thinking
Instructional Materials in the Classroom
Open Educational Resources
Educators build anchor charts to understand strands within the mathematics TEKS.
Professional Development

District Level

Coach/Coaching/Mentoring

Campus Level

Digital/Virtual

During the School Day

After School

Support for Educators
Professional Development has dramatically changed from one week in August, one day in October and February, to responsive, on-going, mentoring and support from Instructional Leaders including Content Coaches.

Quality Professional Development mirrors quality classroom instruction.
Professional Development

1. Did the professional learning experience build capacity for critical thinking in lesson design?
2. Did the professional learning experience develop new lines of inquiry?
3. Are there opportunities for teachers to make their thinking visible?
4. Are there opportunities to broaden the perspective of the conversation with authentic audiences from around the world?
5. Is there an opportunity for teachers to create a contribution (purposeful work)?
6. Does the professional learning experience demo “best in the world” examples of content and skill?

Adapted from Transformational 6 by Alan November
bit.ly/transformational6
Rigor and Critical Thinking

Rich Tasks:
• Low Floor, High Ceiling
• Mathematical Discourse
• Authentic Experience
• Use tools, organize ideas, analyze relationships, and other process standards
Instructional Materials in the Classroom

Educators have access to limitless resources. We provide clarity and build capacity so they may create and curate quality content for their students.
TASA on iTunes U

62 course resource collections
Free of charge to Texas educators
designed to foster creativity, collaboration and critical thinking skills in an engaging, digitally rich learning
TASA on iTunes U: Course Resource Collections
Open Educational Resources: Scoring Rubric

- Degree of standards alignment
- Reflection of developmentally appropriate approach
- Quality of technology integration
- Engaging and effective activities
- Requirement of reflection and deep learning
- Geared to diverse abilities, interests, and needs
- Quality of assessment opportunities
- Authentic learning experiences
8 Mathematics Teaching Practices

- Establish mathematics goals to focus learning.
- Implement tasks that promote reasoning and problem solving.
- Use and connect mathematical representations.
- Facilitate meaningful mathematical discourse.
- Pose purposeful questions.
- Build procedural fluency from conceptual understanding.
- Support productive struggle in learning mathematics.
- Elicit and use evidence of student thinking.

National Council of Teachers of Mathematics, *Principles to Actions*
Next Five Years

• Provide clarity to a vision of high quality teaching and learning
• Support local school districts as they work to interpret and organize the Texas standards into a manageable curriculum
• Consider emphasis on the 8 Mathematical Teaching Practices