

Mathematics Menu

professional development services to improve achievement and learning in mathematics



Instructional Practice

Harnessing the Power of the Math Practices

Effective Math Conversations Increase Math Learning

Build Mathematical Fluency Through Conceptual Understanding

Equity Through Rich, Low Floor– High Ceiling Tasks

Improved Questioning = Improved Learning

Formative Assessment - Test Less, Learn More

Communicating Reasoning

Fractions in Action 3—8

Direct Instruction, Teacher Clarity

Mindset Shifts

Mathematical Mindset

Mindset - Achievement

Connections, Student Agency

Powerful Routines

Reasoning Routines that Build Conceptual Understanding

-Number Talks

-Notice and Wonder

-Three Reads

-Estimation Station

*-Contemplate then Calculate

-Connecting Representations

-Capturing Quantities

-Recognizing Repetition

-Decide and Defend

Grade Specific

Connecting the Math CCSS to Engaging Activities and Effective Practices for:

TK—1st 4th—5th

2nd—3rd 6th—8th

Integrating ELD in Math

Math as a Lever for ELD

Academic Conversations

CAASPP Resources

Improving Instruction by

Examining Claims, Targets, & Blueprints

What the New Interim Reports Can Do For You

Formative Assessment Using CAASPP Resources

Effective Use of the Digital Library and Playlists

Interim Assessments 101

Exploring Performance Tasks and Hand Scoring

Math Coaching

Check the training calendar at www.kern.org, or contact Math Coordinator to schedule contract services for your site or district.

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Kern County
Superintendent of Schools
Office of Mary C. Barlow ...advocates for children