



District PD FOUNDATIONS OF EARLY MATH PACKAGE

Recommended For

Schools and districts looking to support teachers working with kids ages 3-6.

Package Description

A growing body of research shows that early math ability is a predictor of later academic success in all areas. So how do we develop our youngest mathematicians? This package explores foundational math concepts for kids ages 3-6. Participants will learn how teachers can tap in to young learners' natural curiosities and the power of play to develop mathematical thinking by:

- ▶ exploring a research-based learning trajectory that shows how skills and understandings develop over time;
- ▶ experiencing lessons and activities that explore foundational math ideas and build understanding;
- ▶ discovering ways to use literature to spark mathematical thinking;
- ▶ practicing routines to integrate mathematical thinking throughout the school day.

Package Details

Duration

4 full days

Who Should Attend

PK-2 Teachers

Pricing

Starting at \$8,000

Scheduling

Ready to schedule your professional development? Contact Math Institute Project Manager Alyssa Holly.

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Agenda

Day 1 (full day)

- ▶ What is Early Number Sense?
- ▶ Exploring the Counting Learning Trajectory
- ▶ Four Number Relationships to Build Number Sense
- ▶ Making Counting Meaningful

Day 2 (full day)

- ▶ What is Spatial Reasoning?
- ▶ Shapes & Their Attributes
- ▶ Exploring a Shapes Learning Trajectory
- ▶ Playing with Geometric Thinking

Day 3 (full day)

- ▶ Connecting Counting to Adding & Subtracting
- ▶ Exploring the Adding & Subtracting Learning Trajectory
- ▶ Using Story Problems to Support Understanding
- ▶ Playing with Adding & Subtracting

Day 4 (full day)

- ▶ What Can We Measure? Why Do We Measure?
- ▶ The Measurement Process
- ▶ Exploring a Measurement Learning Trajectory
- ▶ Playing with Measurement