



The Creative Curriculum  
for Preschool

## Supporting Early Mathematical Learning

Live Sessions  
for Teachers

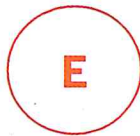
Using *Volume 4: Mathematics* as a guide, teachers become familiar with the research related to how preschool children learn mathematical concepts and process skills, examine the components of mathematics that form the basis of instruction, and explore ways to incorporate developmentally appropriate mathematics activities in meaningful ways throughout the day.



Intermediate, or  
Advanced Level



1- or 2-Day Session



English

[View 1-day session agenda](#)

[View 2-day session agenda](#)

### RELATED PRODUCTS

*The Creative Curriculum®  
for Preschool, Sixth Edition*

*Coaching to Fidelity,  
Preschool*

*The Creative Curriculum®  
for Preschool, Expanded  
Daily Resources*

# Supporting Early Mathematical Learning in *The Creative Curriculum*® for Preschool

## AGENDA

### Learning Objectives

- Discuss research findings about how preschool children learn mathematics.
- Explain the five components of mathematics for preschool children.
- Explain five process skills of mathematics learning for preschool children.
- Explain how to integrate exploration of number operations, geometry and spatial sense, measurement, patterns, and data analysis into daily events.
- Plan developmentally appropriate activities that support children's mathematics learning.

## Day 1

### Welcome and Introductions

### Review of Learning Objectives

### Setting the Stage for Children's Mathematics Learning

- Principles of Teaching Mathematics to Young Children
- The Creative Curriculum® for Preschool, Volume 4: Mathematics
  - A Closer Look and Mathematics Content
  - Video: "Planning for Mathematics in The Creative Curriculum® Classroom"
- The Components of Mathematics
- Mathematical Process Skills

### Number and Operations and Problem Solving

- Nine Concepts of Number and Operations

### Geometry and Spatial Sense and Representation

- The Four Concepts of Geometry and Spatial Sense

### Measurement and Communication

- Measurement Attributes
- Comparing and Ordering

### Patterns and Connections

- Introduction to Patterns and Connections

### Data Analysis and Reasoning

- Introduction to Data Analysis and Reasoning
- Graphing and Tallying

### Using Teaching Guides to Support Mathematics Learning

### Review of Learning Objectives

### Reflecting on the Day