

ORIGO
STEPPING STONES **PRE-K**
CORE MATHEMATICS PROGRAM

Module 1: Exploring Patterns

Operations and Algebraic Thinking	
Topic 1	Identify and sort objects by color
Topic 2	Identify objects as the same or different
Topic 3	Identify and sort objects by design
Topic 4	Identify patterns and non-patterns
Topic 5	Copy and create repeating patterns

Module 2: Comparing Measurement Attributes

Measurement	
Topic 1	Recognize length and use the attribute to compare objects
Topic 2	Recognize mass and use the attribute to compare objects
Topic 3	Recognize capacity and use the attribute to compare objects

Module 3: Investigating Numbers 1 to 5

Counting and Cardinality	
Topic 1	Rote count from 1 to 5
Topic 2	Count up to 5 objects in a group
Topic 3	Subitize up to 5 objects in a group
Topic 4	Recognize and read numerals 1 to 5

Module 4: Exploring Space

Geometry	
Topic 1	Describe the position of objects
Topic 2	Demonstrate understanding of direction language



Module 5: Display and Interpreting Data

Data	
Topic 1	Sort objects by one attribute into groups and describe the sorting
Topic 2	Collect and represent data informally

Module 6: Investigating Numbers 6 to 10, and 0

Counting and Cardinality	
Topic 1	Rote count from 1 to 15, then 1 to 20
Topic 2	Count up to 10 objects in a group
Topic 3	Subitize up to 6 objects in a group
Topic 4	Recognize and read numerals 0 to 10

Module 7: Ordering Measurement Attributes

Measurement	
Topic 1	Order objects by the attribute of length
Topic 2	Order objects by the attribute of mass
Topic 3	Order objects by the attribute of capacity
Topic 4	Measure length using non-standard units

Module 8: Exploring Shape

Geometry	
Topic 1	Identify common 3D objects
Topic 2	Describe and sort 3D objects
Topic 3	Identify common 2D shapes
Topic 4	Describe and sort 2D shapes
Topic 5	Identify one whole and describe parts of a whole

Module 9: Comparing and Ordering 1 to 10

Counting and Cardinality	
Topic 1	Use ordinal language to describe a sequence of objects or people
Topic 2	Compare quantities and numbers up to 5
Topic 3	Order quantities and numbers up to 10

Module 10: Exploring Duration of Time

Measurement	
Topic 1	Identify and describe day and night
Topic 2	Identify and describe short and long time events
Topic 3	Use ordinal language to describe a sequence of events

Module 11: Investigating Relative Position of Numbers 1 to 10

Counting and Cardinality	
Topic 1	Identify and say a number that comes <i>just after</i> a given number up to 10
Topic 2	Identify and say a number that comes <i>just before</i> a given number up to 10

Module 12: Informal Addition and Subtraction

Operations and Algebraic Thinking	
Topic 1	Act out and describe adding within 5
Topic 2	Act out and describe subtracting within 5

