

Scope and Sequence

MATH										
Geometry and Spatial Sense	Theme									
	1	2	3	4	5	6	7	8	9	10
Recognizes, names, describes, compares, combines shapes and solids	•		•		•			•		•
Understands and describes position, direction, distance	•		•					•		•
Demonstrates an awareness of symmetry									•	•
Builds understanding of size as related to space						•	•			
Makes connections between 2-D and 3-D forms	•		•		•			•		•
Constructs and sorts solid shapes and forms	•		•					•		•
Patterns										
Reproduces patterns of sound and physical movement			•							•
Reproduces simple patterns of concrete objects			•						•	•
Predicts what comes next to extend a pattern			•		•				•	•
Creates simple repeating patterns			•		•				•	
Time Concepts										
Uses language associated with time in everyday situations	•	•	•	•	•	•	•	•	•	•
Begins to categorize time intervals		•						•		
Uses and compares temporal terms					•		•			

Measurement	Theme									
	1	2	3	4	5	6	7	8	9	10
Explores the use and meaning of currency and coins							•			•
Examines, manipulates, and identifies familiar U.S. coins					•		•			•
Measures length of objects						•				
Explores the concept of capacity							•		•	
Explores the weight and mass of objects							•		•	
Explores using standard and non-standard measures for length, area, weight							•	•		
Estimates length, size, distance, time							•			•
Compares size, length, capacity, weight in natural situations					•	•	•	•	•	
Names standard tools for measuring time, temperature, length, capacity, weight						•	•	•	•	
Classification and Data Collection										
Compares and contrasts objects	•		•		•	•	•			•
Sorts objects and explains how the sorting was done	•		•		•	•	•	•		•
Uses charts and graphs					•				•	•

Numbers and Operations	Theme									
	1	2	3	4	5	6	7	8	9	10
Counts by ones to ten or higher (by rote)		•	•	•	•	•	•	•	•	•
Compares numbers of objects using language		•		•	•		•	•	•	
Uses one-to-one correspondence to arrange and compare sets		•		•	•		•			
Counts and builds sets of one to five objects		•		•				•		
Counts concrete objects to five or higher				•						
Understands that numbers always represent the same quantity		•	•	•		•		•		•
Identifies first, middle, and last in a series		•	•	•		•		•		•
Uses ordinal numbers from first to fifth		•		•				•		•
Recognizes numerals 1 through 5		•	•	•						
Recognizes and describes the concept of zero				•						
Matches a numeral to a set of 1 to 5		•		•				•		
Recognizes numerals through 10				•	•	•	•	•	•	•
Explores the concept of whole, parts, and parts that make a whole							•			•
Uses numbers to predict, estimate, and make realistic guesses				•	•					•
Combines and separates sets of objects to create a new set				•			•	•	•	
Names "how many" are in a group of up to three objects without counting							•	•		
Recognizes numbers in the environment				•	•	•	•	•	•	•

Problem Solving	Theme									
	1	2	3	4	5	6	7	8	9	10
Explores and solves a simple, orally presented problem				•	•	•	•	•	•	•
Identifies the question in the problem				•	•			•	•	•
Decides if enough information is present to solve the problem				•				•	•	•
Makes a step-by-step plan to solve a problem							•	•	•	•
Selects and applies a strategy						•	•	•	•	•
Identifies alternative ways to solve a problem						•				•
Reasoning										
Uses and explains/supports reasoning				•	•	•	•	•	•	•
Makes, tests generalizations								•		
Supports or refutes mathematical statements or solutions		•	•	•	•	•	•	•	•	•
Communication										
Uses multiple representations to express concepts or solutions				•	•	•	•	•	•	•
Expresses mathematical ideas orally and with concrete materials			•	•	•	•	•	•	•	•