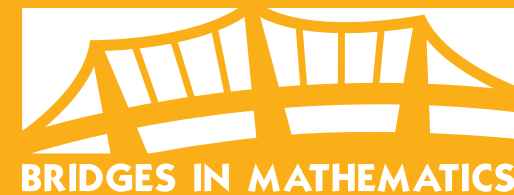


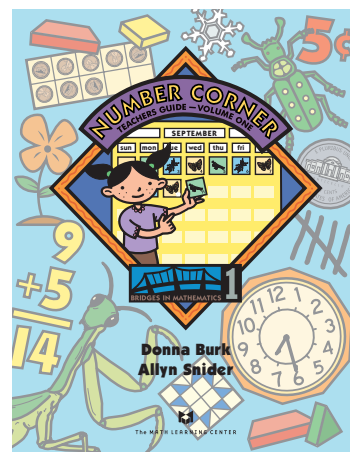
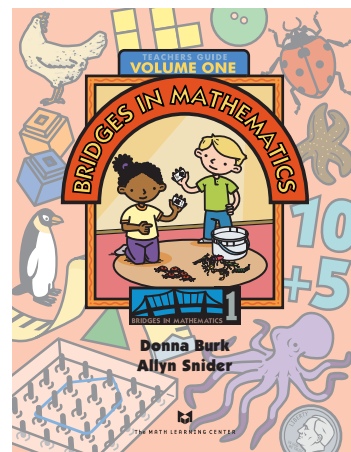


The MATH LEARNING CENTER
— making sense of math —



1

Scope & Sequence



Grade 1

Bridges in Mathematics Grade 1 emphasizes problem solving also providing plentiful opportunities for students to strengthen their number sense and computation skills. First graders' interest is piqued by story problems featuring bugs and sea creatures, while a unit on penguins and another on farm life integrate math, science, art, social studies, and literacy. Throughout the year, students work in pairs and small groups at a total of 42 Work Places, workstation activities and games that reinforce concepts and skills introduced during whole-group lessons. They also use software to manipulate and arrange geometric shapes on the computer. The Number Corner provides daily skills practice, along with Support Activities for meaningful intervention, while Home Connection assignments involve families. Assessments, including individual interviews, work samples, and appropriate paper and pencil tasks are woven throughout the program.



Bridges in Mathematics

Bridges in Mathematics is a full elementary school curriculum that provides the tools, strategies, and materials teachers need to implement the NCTM standards. Bridges aligns with NCTM Focal Points, blending concept development and skills practice in a coherent and well articulated curriculum.

Bridges is comprised of two parts: the units and Number Corner. Each unit focuses on a specific mathematical topic, or related topics, and is comprised of a series of hour-long sessions. Number Corner is a calendar-based component of Bridges that consists of 15–20 minute daily workouts focusing on building and reviewing key skills. The curriculum spirals through the content strands, revisiting key skills and concepts in a variety of ways at different times over the course of the school year and across grade levels.

Lessons incorporate whole-group, small group, and independent work, providing students a wide range of activities and experiences. Students discuss and explore different approaches to problems, often using manipulatives to construct and test ideas as they build meaning and fluency.

We went from an unexciting, monotonous math text to the Bridges program. Teaching math has become exciting again.

— Grade 1 Teacher,
Milton, WI

Grade 1 Scope & Sequence by Month

		AUGUST / SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY / JUNE
1	Units	UNIT 1: 20 SESSIONS Bugs Galore Sorting, Graphing, Estimating Quantity, Counting by 1's, 5's, and 10's, Numeral Writing and Recognition, Addition and Subtraction Story Problems, Coin Worth and Recognition Literature Connection Bugs Live Everywhere, Song & Poetry Portfolio	UNIT 2: 25 SESSIONS From Land to Sea Numeral Writing and Recognition, Understanding Addition and Subtraction, Facts to 10, Adding 10's, Odd and Even Numbers, Skip Counting by 5's and 10's, Patterning, Counting by 10's and 1's, Reading Numbers to 100, Coin Worth and Recognition Literature Connection Song & Poetry Portfolio	UNIT 3: 21 SESSIONS Lobster Legs & Whale Tails Counting by 1's, 2's, 5's, and 10's, Number Patterns, Addition and Subtraction Story Problems, Addition and Subtraction Facts to 10, Coin Worth and Recognition, Counting Money, Counting by 10's and 1's, Sorting and Graphing Literature Connection Song & Poetry Portfolio	UNIT 4: 17 SESSIONS Penguins Estimating, Measuring and Comparing Length and Weight, Reading a Thermometer, Sorting and Graphing, Skip Counting and Number Patterns, Facts to 18, Adding 10's and 9's, Story Problems, Reading Numbers to 100, Counting by 10's and 1's Literature Connection Ten Little Penguins--A Subtraction Book, Song & Poetry Portfolio	UNIT 5: 20 SESSIONS Pattern Blocks, Polydrons & Paper Quilts Composing and Decomposing 2- and 3-Dimensional Shapes, Sorting and Graphing, Properties of 2- and 3-Dimensional Shapes, Symmetry, Area, Tessellations, Transformations, Coordinate Grids	UNIT 6: 18 SESSIONS My Little Farm Story Problems, Counting by 1's, 2's, 4's, 5's, and 10's, Number Patterns, Growing Patterns, Counting by 10's and 1's, Adding and Subtracting 2-Digit Numbers, Area and Perimeter, Coordinate Grids, Map-Making Skills Literature Connection Song & Poetry Portfolio			
	Number Corner	AUGUST / SEPTEMBER Skills & Concepts <ul style="list-style-type: none"> numeral recognition and writing skip counting counting by 10's and 1's basic facts (+) sorting repeating patterns number patterns counting money temperature 	OCTOBER Skills & Concepts <ul style="list-style-type: none"> numeral writing skip counting counting by 10's and 1's basic facts (+) sorting repeating patterns number patterns counting money temperature time to the hour collecting data 	NOVEMBER Skills & Concepts <ul style="list-style-type: none"> numeral writing skip counting counting by 10's and 1's basic facts (+) repeating patterns number patterns counting money temperature time to the half hour probability collecting and comparing data 	DECEMBER Skills & Concepts <ul style="list-style-type: none"> skip counting counting by 10's and 1's 2-digit addition repeating patterns number patterns counting money temperature time to the half hour collecting and comparing data 	JANUARY Skills & Concepts <ul style="list-style-type: none"> skip counting counting by 10's and 1's basic facts (+ and -) repeating patterns number patterns 2-D shapes counting money temperature time to the half hour probability and data 	FEBRUARY Skills & Concepts <ul style="list-style-type: none"> skip counting counting by 10's and 1's basic facts (+ and -) 2-digit addition repeating patterns number patterns counting money temperature telling time collecting and comparing data 	MARCH Skills & Concepts <ul style="list-style-type: none"> skip counting counting by 10's and 1's basic facts (+ and -) 2-digit addition repeating patterns number patterns counting money temperature telling time 	APRIL Skills & Concepts <ul style="list-style-type: none"> skip counting counting by 10's and 1's basic facts (+ and -) adding and subtracting 10's repeating patterns number patterns counting money temperature area collecting and comparing data 	MAY / JUNE Skills & Concepts <ul style="list-style-type: none"> skip counting counting by 100's, 10's and 1's basic facts (+ and -) 2-digit subtraction repeating and growing patterns number patterns counting money temperature telling time

Grade 1 Scope & Sequence by Strand

		NUMBER & OPERATIONS	ALGEBRA	GEOMETRY	MEASUREMENT	DATA ANALYSIS & PROBABILITY
1	Units	Unit 1: Bugs Galore Unit 2: From Land to Sea Unit 3: Lobster Legs & Whale Tails Unit 4: Penguins Unit 6: My Little Farm	Unit 2: From Land to Sea Unit 3: Lobster Legs & Whale Tails	Unit 5: Pattern Blocks, Polydrons & Paper Quilts Unit 6: My Little Farm	Unit 4: Penguins Unit 5: Pattern Blocks, Polydrons & Paper Quilts Unit 6: My Little Farm	Unit 1: Bugs Galore Unit 3: Lobster Legs & Whale Tails
	Number Corner	August/September–May/June <ul style="list-style-type: none"> numeral recognition and writing skip counting (2's, 5's, 10's) counting by 10's and 1's basic facts (+ and - to 20) 2-digit addition adding and subtracting 10's 	August/September–May/June <ul style="list-style-type: none"> sorting repeating and growing patterns skip counting/number patterns properties of operations 	January <ul style="list-style-type: none"> 2-D shapes 	August/September–May/June <ul style="list-style-type: none"> reading a calendar time to the half hour counting money temperature area 	October–February, April <ul style="list-style-type: none"> picture and bar graphs spinner experiments