Many children’s books do not have a long “shelf life.” You will find that some of these books are out of print. Books marked with an asterisk (*) are specifically referenced in the lesson plans. When a book is part of a lesson, the storyline of the book is outlined in the Investigations program so that you may substitute a book with a similar story line or even just tell the story in your own words.

Kindergarten

Unit: Mathematical Thinking in Kindergarten (Introduction)

Numbers and Counting


Calendar and Time


Unit: Pattern Trains and Hopscotch Paths (Exploring Pattern)

Observing


Hopscotch

Pattern Borders

Illustrations Using Patterns

Unit: Collecting, Counting, and Measuring (Developing Number Sense)

Counting

Multicultural Counting

Long Names

Section 8: Literature Lists by Grade Level
Unit: **Counting Ourselves and Others** (Exploring Data)


Unit: **Making Shapes and Building Blocks** (Exploring Geometry)


Unit: **How Many in All?** (Counting and the Number System)


Grade 1

Unit: **Mathematical Thinking at Grade 1** (Introduction)

Exploring Materials


**Numbers**


**Pattern**


**Growing Patterns**


**Data**


Unit: **Building Number Sense** (The Number System)


Section 8: Literature Lists by Grade Level
Unit: **Survey Questions and Secret Rules** (Collecting and Sorting Data)


Unit: **Quilt Squares and Block Towns** (2-D and 3-D Geometry)

**Shapes**


**Quilts**


**Buildings**


Unit: **Number Games and Story Problems** (Addition and Subtraction)


**Section 8: Literature Lists by Grade Level**


**Unit: Bigger, Taller, Heavier, Smaller** (Measuring)


**Grade 2**

**Unit: Mathematical Thinking at Grade 2** (Introduction)


**Section 8: Literature Lists by Grade Level**
**Unit: Coins, Coupons, and Combinations** (The Number System)


**Unit: Does It Walk, Crawl, or Swim?** (Sorting and Classifying Data)


Baer, Edith. *This Is the Way We Go to School.* New York: Scholastic, 1990.


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**Section 8: Literature Lists by Grade Level**
Unit: **Shapes, Halves, and Symmetry** (Geometry and Fractions)


Unit: **Putting Together and Taking Apart** (Addition and Subtraction)


Unit: **How Long? How Far?** (Measuring)


Section 8: Literature Lists by Grade Level
Unit: **How Many Pockets? How Many Teeth?** (Collecting and Representing Data)


Unit: **Timelines and Rhythm Patterns** (Representing Time)


**Grade 3**

Unit: **Mathematical Thinking at Grade 3** (Introduction)


**Section 8: Literature Lists by Grade Level** 9
Unit: **Things That Come in Groups** (Multiplication and Division)


Unit: **Flips, Turns, and Area** (2-D Geometry)


Unit: **From Paces to Feet** (Measuring and Data)


Unit: **Landmarks in the Hundreds** (The Number System)


Unit: **Up and Down the Number Line** (Changes)


Unit: **Combining and Comparing** (Addition and Subtraction)


**Section 8: Literature Lists by Grade Level**
Unit: **Turtle Paths** (2-D Geometry)

Unit: **Fair Shares** (Fractions)

Unit: **Exploring Solids and Boxes** (3-D Geometry)

**Grade 4**

Unit: **Mathematical Thinking at Grade 4** (Introduction)

Unit: **Arrays and Shares** (Multiplication and Division)

**Section 8: Literature Lists by Grade Level**
Unit: **Seeing Solids and Silhouettes** (3-D Geometry)

Unit: **Landmarks in the Thousands** (The Number System)

Unit: **Different Shapes, Equal Pieces** (Fractions and Area)

Unit: **The Shape of the Data** (Statistics)

Unit: **Money, Miles, and Large Numbers** (Addition and Subtraction)

Section 8: Literature Lists by Grade Level
Unit: **Changes Over Time** (Graphs)

Unit: **Packages and Groups** (Multiplication and Division)

Unit: **Sunken Ships and Grid Patterns** (2-D Geometry)

Unit: **Three out of Four Like Spaghetti** (Data and Fractions)

**Grade 5**

Unit: **Mathematical Thinking at Grade 5** (Introduction)

Unit: **Picturing Polygons** (2-D Geometry)

Unit: **Name That Portion** (Fractions, Percents, and Decimals)

**Section 8: Literature Lists by Grade Level**
Unit: **Between Never and Always** (Probability)

Unit: **Building on Numbers You Know** (Computation and Estimation Strategies)

Unit: **Measurement Benchmarks** (Estimating and Measuring)

Unit: **Patterns of Change** (Tables and Graphs)

Unit: **Containers and Cubes** (3-D Geometry: Volume)

Unit: **Data: Kids, Cats, and Ads** (Statistics)

Section 8: Literature Lists by Grade Level