

MATH

+ READING

A GREAT CONNECTION

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Using children’s literature is an enjoyable and valuable way to expose students to the real world applications for mathematics. Books can be used to introduce a mathematical idea, or they can serve as a review. They are also a great means for providing the context for generating math problems that students work to solve.

The following pages are just a few examples of children’s literature that can be integrated in mathematics. They are grouped according to the big ideas in the North Carolina Standard Course of Study. You will also see suggested grades as well as the math skill to which the book relates. I have left extra lines on each page so that you can add other titles you find that relate to math.

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NUMBER AND OPERATIONS

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| GRADE LEVEL | BOOK TITLE | AUTHOR | SKILL |
| K-2 | *Ten Black Dots* | Donald Crews | Counting |
| K-3 | *The Doorbell Rang* | Pat Huchins | Division |
| K-3 | *Each Orange Had 8 Slices* | Paul Giganti | Counting, Multiplication |
| K-3 | *Amanda Bean's Amazing Dream: a Mathematical Story* | Cindy Neuschwander | Multiplication |
| K-3 | *Only One* | Marc Harshman | Counting |
| K-3 | *Centipede's 100 Shoes* | Tony Ross | Addition, Subtraction, Multiplication |
| K-4 | *A Remainder of One* | Elinor J. Pinczes | Division |
| Top of Form  1-4  Bottom of Form | *One Odd Day* | Doris Fisher & Dani Sneed | Odd & even |
| 1-2 | *Pizza Pizzaz* | Carol A. Losi | Fractions |
| 1-3 | *One Hundred Hungry Ants* | Elinor J. Pinczes | Multiplication |
| 1-3 | *Stay in Line* | Teddy Slater | Number Sense, Multiplication |
| 2-4 | *A Place for Zero* | Angeline Sparagna LoPresti | Place Value |
| 2-4 | *Fraction Fun* | David A. Adler | Fractions |
| 2-4 | *The King's Commissioners* | Aileen Friedman | Place Value |
| 3-5 | *The Story of Money* | Betsy Maestro | Money |
| 3-5 | *Polar Bear Math* | Ann Whitehead Nagda & Cindy Bickel | Fractions |
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MEASUREMENT

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| GRADE LEVEL | BOOK TITLE | AUTHOR | SKILL |
| K-4 | *Sam's Sneaker Squares* | Nat Gabriel | Area |
| K-3 | *P. Bear's New Year's Party* | Paul Owen Lewis | Time, Counting |
| K-3 | *Tuesday* | David Wiesner | Time |
| 1-3 | *Inch by Inch* | Leo Lionni | Customary Length |
| 1-3 | *Twelve Snails to One Lizard* | Susan Hightower | Customary Length |
| 1-4 | *How Big is a Foot?* | Rolf Myller | Standard Units |
| 1-4 | *Chickens on the Move* | Pam Pollack & Meg Belviso | Perimeter |
| 2-4 | *Spaghetti and Meatballs for All* | Marilyn Burns | Area & Perimeter |
| 2-4 | *Measuring Penny* | Loreen Leedy | Nonstandard, Standard Units |
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GEOMETRY

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| GRADE LEVEL | BOOK TITLE | AUTHOR | SKILL |
| K-3 | *Three Pigs, One Wolf, and Seven Magic Shapes* | Grace Maccarone | Tangrams |
| K-3 | *Shape Up!* | David A. Adler | Polygons |
| K-5 | *Grandfather Tang's Story* | Ann Tompert | Tangrams |
| K-5 | *The Greedy Triangle* | Marilyn Burns | Polygons |
| 3-5 | *A Cloak for the Dreamer* | Aileen Friedman | Polygons |
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DATA AND PROBABILITY

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| GRADE LEVEL | BOOK TITLE | AUTHOR | SKILL |
| K-3 | *Pigs at Odds: Fun with Math and Games* | Amy Axelrod | Probability |
| 1-4 | *The Great Graph Contest* | Loreen Leedy | Graphs |
| 1-4 | *It's Probably Penny* | Loreen Leedy | Probability |
| 2-4 | *The Fly on the Ceiling* | Dr. Julie Glass | Coordinate Grids |
| 2-5 | *Tiger Math* | Ann Whitehead Nagda & Cindy Bickel | Graphs |
| 3-5 | *A Three Hat Day* | Laura Geringer | Combinations/ Permutations |
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ALGEBRA

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| GRADE LEVEL | BOOK TITLE | AUTHOR | SKILL |
| K-1 | *Grandma's Button Box* | Top of Form  Linda Williams Aber  Bottom of Form | Sorting |
| K-2 | *Brown bear, brown bear, what do you see?* | Bill Martin, Jr. | Patterns |
| 1-3 | *More or Less a Mess* | Sheila Keenan & Marilyn Burns | Sorting |
| 1-3 | *Two of Everything* | Lily Toy Hong | Patterns with Doubles |
| 1-3 | *Two Ways to Count to Ten* | Ruby Dee | Number Patterns |
| 1-4 | *The 512 Ants on Sullivan Street* | Carol A. Losi | Patterns with Doubles |
| 2-4 | *Equal Shmequal* | Virginia Kroll | Equations |
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