

Resources for Teaching Math

Selected Curriculum Materials and Children's Books

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University of Iowa

Selected Curriculum Materials

Early Childhood

- C.E /N27sh Copley, Juanita V., ed. SHOWCASING MATHEMATICS FOR THE YOUNG CHILD : ACTIVITIES FOR THREE-, FOUR-, AND FIVE-YEAR-OLDS. National Council of Teachers of Mathematics, 2004.
- C.E /N27yo Copley, Juanita V. THE YOUNG CHILD AND MATHEMATICS. National Association for the Education of Young Children.
- C.E /R311 Jones, Guy W. LESSONS FROM TURTLE ISLAND: NATIVE CURRICULUM IN EARLY CHILDHOOD CLASSROOMS. Redleaf Press, 2002.

Elementary and Secondary

- C.Ms.g /N27na Pugalee, David K. NAVIGATING THROUGH GEOMETRY IN GRADES 6-8. National Council of Teachers of Mathematics, 2002.
- C.M /N27e Chappell, Michaela F., ed. EMPOWERING THE BEGINNING TEACHER OF MATHEMATICS IN ELEMENTARY SCHOOL. National Council of Teachers of Mathematics, 2004.
- C.M /N27pg Jacobs, Judith E., ed. PERSPECTIVES ON GENDER. National Council of Teachers of Mathematics, 2001.
- C.M /U58q Stage, Elizabeth. QUADICE: TEACHER'S GUIDE: GRADES 4-8. Lawrence Hall of Science, University of California at Berkeley, 2002.

Literature Connections

- New Whitin, David Jackman. NEW VISIONS FOR LINKING LITERATURE AND MATHEMATICS. National Council of Teachers of English/National Council of Teachers of Mathematics, 2004.
- C.L.R /A51pi Nespeca, Sue McCleaf. PICTURE BOOKS PLUS: 100 EXTENSION ACTIVITIES IN ART, DRAMA, MUSIC, MATH, AND SCIENCE. American Library Assoc., 2003.
- C.L.R /C55m Bamford, Rosemary A. ed. MAKING FACTS COME ALIVE: CHOOSING QUALITY NONFICTION LITERATURE K-8. Christopher-Gordon Publishers, 1998.
- C.M /H46it Whitin, David J. IT'S THE STORY THAT COUNTS: MORE CHILDREN'S BOOKS FOR MATHEMATICAL LEARNING, K-6. Heinemann, 1995.
- C.M /T25ml Evans, Caroline W. MATH LINKS: TEACHING THE NCTM 2000 STANDARDS THROUGH CHILDREN'S LITERATURE. Teacher Ideas Press, 2001.
- C.S /U58ou ONCE UPON A GEMS GUIDE : CONNECTING YOUNG PEOPLE'S LITERATURE TO GREAT EXPLORATIONS IN MATH AND SCIENCE. Lawrence Hall of Science/University of California at Berkeley, 2000.
- Ref. Z1037 /.A1 C54 Cianciolo, Patricia J. INFORMATIONAL PICTURE BOOKS FOR CHILDREN. American Library Association, 2000.

Multicultural Activities

- C.E /R311 Jones, Guy W. LESSONS FROM TURTLE ISLAND: NATIVE CURRICULUM IN EARLY CHILDHOOD CLASSROOMS. Redleaf Press, 2002.
- C.M /N27m Krause, Marina C. MULTICULTURAL MATHEMATICS MATERIALS. National Council of Teachers of Mathematics, 2000.
- C.M /U58ma Braxton, Beverly. MATH AROUND THE WORLD: TEACHER'S GUIDE. Lawrence Hall of Science, University of California at Berkeley, 2000, 2004.

Real World Connections

- C.Ms /U58t Payne, Lucy L. TRAFFIC ON THE INFORMATION SUPERHIGHWAY: A UNIT OF STUDY FOR GRADES 6-8. Curriculum Research & Development Group, University of Hawaii 2003.
- C.L.R /T25tc Plaxco, Kelli. THEMATIC UNIT: CLOTHING. Teacher Created Materials, 2000.
- C.M /U58m Kopp, Jaine. MATH ON THE MENU : TEACHER'S GUIDE. Lawrence Hall of Science, University of California, 2000.

Children's Books 2000-2005

Counting

- New Combs, Bobbie. 1, 2, 3: A FAMILY COUNTING BOOK. III. Danamarie Hosler. Two Lives Publishing, 2000.
- New Cronin, Doreen. CLICK, CLACK, SPLISH, SPLASH: A COUNTING ADVENTURE. III. Betsy Lewin. Atheneum, 2006.
- New Murphy, Stuart J. JACK THE BUILDER. III. Michael Rex. HarperCollins, 2006.
- New Rey, H. A. CURIOUS GEORGE LEARNS TO COUNT FROM 1 TO 100. III. in the style of H.A. Rey by Anna Grossnickle Hines. Houghton Mifflin, 2005.
- New Fisher, Aileen. KNOW WHAT I SAW? III. Deborah Durland Desaix. Roaring Brook, 2005.
- New Keller, Laurie. GRANDPA GAZILLION'S NUMBER YARD. Henry Holt, 2005.
- 372.21 /R795t Rose, Deborah Lee. THE TWELVE DAYS OF KINDERGARTEN. III. Carey Armstrong-Ellis. Harry N. Abrams, 2003.
- E /F597e Fleming, Denise. THE EVERYTHING BOOK. Henry Holt, 2000.
- E /F597f Fleming, Denise. THE FIRST DAY OF WINTER. Henry Holt, 2005.
- E /F597wo Fleming, Candace. WHO INVITED YOU? III. George Booth. Atheneum, 2001.
- E /G815dr Greenstein, Elaine. DREAMING A COUNTDOWN TO SLEEP. Arthur Levine, 2000.
- E /G866wr Grindley, Sally. WHERE ARE MY CHICKS? III. Jill Newton. Phyllis Fogelman, 2002.
- E /H974t Hutchins, Pat. TEN RED APPLES. Greenwillow, 2000.
- E /I74on Isadora, Rachel. 123 POP! Viking, 2000.
- E /J63h Jocelyn, Marthe. HANNAH'S COLLECTIONS. Tundra, 2000.
- E /K19co Katz, Karen. COUNTING KISSES. Margaret K. McElderry, 2001.
- E /K81se Koller, Jackie French. SEVEN SPUNKY MONKEYS. III. Lynn Munsinger. Harcourt, 2005.
- E /K92we Krebs, Laurie. WE ALL WENT ON SAFARI A COUNTING JOURNEY THROUGH TANZANIA. III. Julia Cairns. Barefoot, 2003.
- E /L651o Leuck, Laura. ONE WITCH. III. S.D. Schindler. Walker & Co., 2003.
- E /L672ca Lewin, Betsy. CAT COUNT. Henry Holt, 2003.
- E /L797o Lobel, Anita. ONE LIGHTHOUSE, ONE MOON. Greenwillow, 2000.
- E /M135lk MacDonald, Suse. LOOK WHOOO'S COUNTING. Scholastic, 2000.
- E /M145te McGinty, Alice B. TEN LITTLE LAMBS. III. Melissa Sweet. Dial, 2002.
- E /M284o Mannis, Celeste A. ONE LEAF RIDES THE WIND: COUNTING IN A JAPANESE GARDEN. III. Susan Hartung. Viking, 2002.
- E /M379ro Martin, Bill. ROCK IT, SOCK IT, NUMBER LINE III. Heather Cahoon. Henry Holt, 2001.
- E /M644cy Milich, Zoran. CITY 1, 2, 3. Kids Can, 2005.
- E /N693c Nikola-Lisa, W. CAN YOU TOP THAT? III. Hector Viveros Lee. Lee & Low, 2000.
- E /R845d Roth, Carol. DIECI PORCELLINI PULITI ; DIECI PORCELLINI SUDICI. III. Pamela Paparone. North-South, 2000.
- E /R845di Roth, Carol. DIX PETITS COCHONS TOUT PROPRES ; DIX PETITS COCHONS TOUT SALES. III. Pamela Paparone. North-South, 2000.
- E /R845z Roth, Carol. ZEHN SAUBERE SCHWEINCHEN; ZEHN SCHMUTZIGE SCHWEINCHEN. III. Pamela Paparone. North-South, 2000.
- E /S275o Sayre, April Pulley and Jeff Sayre. ONE IS A SNAIL, TEN IS A CRAB A COUNTING BY FEET BOOK. III. Randy Cecil. Candlewick, 2003.

- E /S326g Schertle, Alice. Goodnight, HATTIE, MY DEARIE, MY DOVE. III. Ted Rand. HarperCollins, 2002.
- E /S326o Schertle, Alice. 1, 2, I LOVE YOU. III. Emily Arnold McCully. Chronicle, 2004.
- E /S386c Schulman, Janet. COUNTDOWN TO SPRING: AN ANIMAL COUNTING BOOK. III. Meilo So. Alfred A. Knopf, 2002.
- E /S431r Scotton, Rob. RUSSELL THE SHEEP. HarperCollins, 2005.
- E /S617q Singer, Marilyn. QUIET NIGHT. III. John Manders. Clarion, 2002.
- E /S735c Spanyol, Jessica. CARLO LIKES COUNTING. Candlewick, 2002.
- E /T486o Thong, Roseanne. ONE IS A DRUMMER. III. Grace Lin. Chronicle, 2004.
- E /V252t Van Fleet, Matthew. TAILS. Silver Whistle, 2003.
- E /V259tr Van Laan, Nancy. A TREE FOR ME. III. Sheila White Samton. Alfred A. Knopf, 2000.
- E /W727d Williams, Sue. DINNER TIME! III. Kerry Argent. Harcourt, 2002.
- E /W872h Wong, Janet S. HIDE & SEEK. III. Margaret Chodos-Irvine. Harcourt, 2005.
- E /W873tc Wood, Audrey. TEN LITTLE FISH. III. Bruce Wood. Blue Sky, 2004.
- E /Y33t Yates, Philip. TEN LITTLE MUMMIES: AN EGYPTIAN COUNTING BOOK. III. G. Brian Karas. [N.Y. Viking, 2003].
- E /Y54hc Yolen, Jane. HOW DO DINOSAURS COUNT TO TEN? III. Mark Teague. Blue Sky, 2004.
- E /B167di Baker, Barbara. DIGBY AND KATE 1, 2, 3. III. Marsha Winborn. Dutton Children's, 2004.
- E/M379cc Martin, Bill. CHICKA CHICKA 1, 2, 3. III. Lois Ehlert. Simon & Schuster, 2004.
- Toy/Pop-Ups
513.2 /C323o Carter, David A. ONE RED DOT: A POP-UP BOOK FOR CHILDREN OF ALL AGES. Little Simon, 2005, c2004.

Estimation and Probability

- 519.2 /M978p Murphy, Stuart J. PROBABLY PISTACHIO. III. Marsha Winborn. HarperCollins, 2001.
- 519.2 /R893h Roza, Greg. HEADS OR TAILS?: EXPLORING PROBABILITY THROUGH GAMES. PowerKids, 2004.
- 519.5 /M978c Murphy, Stuart J. COYOTES ALL AROUND. III. Steve Bjorkman. HarperCollins, 2003.
- E /A969po Axelrod, Amy. PIGS AT ODDS: FUN WITH MATH AND GAMES. III. Sharon McGinley-Nally. Simon & Schuster, 2000.

Fractions, Decimals, Ratio and Proportion

- 513.2 /C712m Collins, Kathleen. MUSIC MATH EXPLORING DIFFERENT INTERPRETATIONS OF FRACTIONS. PowerKids, 2004.
- 513.2 /D635p Dobson, Christina. PIZZA COUNTING. III. Matthew Holmes. Charlesbridge, 2003.
- 513.2 /Z96s Zuravicky, Ori. THE STOCK MARKET: UNDERSTANDING AND APPLYING RATIOS, DECIMALS, FRACTIONS, AND PERCENTAGES. PowerKids, 2005.
- E /P957i Pinczes, Elinor J. INCHWORM AND A HALF. III. Randall Enos. Houghton Mifflin, 2001.

Geometry and Shapes

- New Murphy, Stuart J. HAMSTER CHAMPS. III. Pedro Martin. HarperCollins, 2005.
- 516 /M978c Murphy, Stuart J. CAPTAIN INVINCIBLE AND THE SPACE SHAPES. III. Rémy Simard. Harper Collins, 2001.
- 516 /O59t Onyefulu, Ifeoma. A TRIANGLE FOR ADAORA: AN AFRICAN BOOK OF SHAPES. Dutton, 2000.
- 516.22 /E47w Ellis, Julie. WHAT'S YOUR ANGLE PYTHAGORAS? A MATH ADVENTURE. III. Phyllis Hornung. Charlesbridge, 2004.
- 701 /M625i Micklethwait, Lucy. I SPY SHAPES IN ART. Greenwillow, 2004.
- E /E53ms Emberley, Rebecca. MY SHAPES = MIS FORMAS. Little, Brown, 2000.
- E /H681c Hoban, Tana. CUBES, CONES, CYLINDERS, & SPHERES. Greenwillow, 2000.
- E /R239st Rau, Dana Meachen. A STAR IN MY ORANGE: LOOKING FOR NATURE'S SHAPES. Millbrook, 2002.

Graphing and Sorting

- 511 /L484g Leedy, Loreen. THE GREAT GRAPH CONTEST. Holiday House, 2005.
511 /N147t Nagda, Ann Whitehead and Cindy Bickel. TIGER MATH: LEARNING TO GRAPH FROM A BABY TIGER. Henry Holt, 2000.
511.3 /M978d Murphy, Stuart J. DAVE'S DOWN-TO-EARTH ROCK SHOP. Cat Bowman Smith. HarperCollins, 2000.

Hundred, the Number

- New Rey, H. A. CURIOUS GEORGE LEARNS TO COUNT FROM 1 TO 100. Ill. in the style of H.A. Rey by Anna Grossnickle Hines. Houghton Mifflin, 2005.
513.2 /M978o Murphy, Stuart J. 100 DAYS OF COOL. Ill. John Bendall-Brunello. HarperCollins, 2004.
811 /F825c Franco, Betsy. COUNTING OUR WAY TO THE 100TH DAY! Ill. Steven Salerno. Margaret K. McElderry , 2004.
E /C284ho Carlson, Nancy L. HENRY'S 100 DAYS OF KINDERGARTEN. Viking, 2004.
E /M169on McNamara, Margaret. ONE HUNDRED DAYS (PLUS ONE). Ill. Mike Gordon. Aladdin, 2003.
E /R684on Rockwell, Anne F. 100 SCHOOL DAYS. Ill. Lizzy Rockwell. HarperCollins , 2002.
E /W455em Wells, Rosemary. EMILY'S FIRST 100 DAYS OF SCHOOL. Hyperion, 2000.

Measurement and Size

- New Alborough, Jez. TALL. Candlewick , 2005.
513.2 /S399if Schwartz, David M. IF DOGS WERE DINOSAURS. Ill. James Warhola. Scholastic, 2005.
513.2 /W455h Wells, Rosemary. HOW MANY? HOW MUCH? BASED ON TIMOTHY GOES TO SCHOOL AND OTHER STORIES. Ill. Michael Koelsch. Puffin, 2001.
526 /L345m Lasky, Kathryn. THE MAN WHO MADE TIME TRAVEL. Ill. Kevin Hawkes. Farrar, Straus and Giroux/Melanie Kroupa, 2003.
530.8 /M435l Mattern, Joanne. LET'S VISIT CANADA: THE METRIC SYSTEM. PowerKids , 2004.
530.8 /S399m Schwartz, David M. MILLIONS TO MEASURE! Ill. Steven Kellogg. HarperCollins, 2003.
E /F635p Florian, Douglas. A PIG IS BIG. Greenwillow, 2000.
E /H797f Hopkinson, Deborah. FANNIE IN THE KITCHEN. Ill. Nancy Carpenter. Atheneum, 2001.

Operations : Addition, Subtraction, Multiplication and Division.

- New Murphy, Stuart J. MONSTER MUSICAL CHAIRS. Ill. Scott Nash. HarperCollins, 2000.
513.2 /L484s Leedy, Loreen. SUBTRACTION ACTION. Holiday House, 2000.
513.2 /M147m McGrath, Barbara Barbieri. THE M&M'S BRAND SUBTRACTION BOOK. Ill. Barbara Barbieri McGrath. Charlesbridge, 2005.
513.2 /M623t Michelson, Richard. TEN TIMES BETTER POEMS AND TEXT. Ill. Leonard Baskin. Marshall Cavendish, 2000.
513.2 /M978s Murphy, Stuart J. SLUGGERS' CAR WASH. Ill. Barney Saltzberg. HarperCollins, 2002.
513.2 /N147p Nagda, Ann Whitehead / San Diego Zoo. PANDA MATH: LEARNING ABOUT SUBTRACTION FROM HUA MEI AND MEI SHENG Holt, 2005.
E /D274d Day, Nancy Raines. DOUBLE THOSE WHEELS. Ill. Steve Haskamp. Dutton, 2003.
E /D642m Dodds, Dayle Ann. MINNIE'S DINER A MULTIPLYING MENU. Ill. John Manders. Candlewick, 2004.
E /D877t Duke, Kate. TWENTY IS TOO MANY. Dutton, 2000.
E /G459ho Giganti, Paul. HOW MANY BLUE BIRDS FLEW AWAY? : A COUNTING BOOK WITH A DIFFERENCE. Ill. Donald Crews. Greenwillow, 2005.
E /N216h Napoli, Donna Jo. HOW HUNGRY ARE YOU? Ill. Amy Walrod. Atheneum, 2001.
E /R375te Reiser, Lynn. TEN PUPPIES. Greenwillow, 2003.
F /M657sv Mills, Claudia. 7 X 9 = TROUBLE! Ill. G. Brian Karas. Farrar Straus Giroux, 2002.

Patterns and sequences

- 512.7 /H915w Hulme, Joy N. WILD FIBONACCI. III. Carol Schwartz. Tricycle , 2005.
515 /M978b Murphy, Stuart J. BEEP BEEP, VROOM VROOM! III. Chris Demarest.
HarperCollins, 2000.

Place Value and Number systems

- 513 M978e Murphy, Stuart J. EARTH DAY-HOORAY! III. Renee Andriani. HarperCollins, 2004.
513.5 P119b Packard, Edward. BIG NUMBERS AND PICTURES THAT SHOW JUST HOW BIG
THEY ARE! III. Salvatore Murdocca. Millbrook Press, 2000.
E /R936n Rumford, James. NINE ANIMALS AND THE WELL. Houghton Mifflin, 2003.

Problem solving and Mathematical Recreations

- New Murphy, Stuart J. SAME OLD HORSE III. Steve Björkman. HarperCollins, 2005.
New Ball, Johnny. GO FIGURE! London; DK, 2005.
- 510 /H678a Ho, Oliver. AMAZING MATH MAGIC. III. Jeff Sinclair. Sterling, 2001.
510 /T164m Tang, Greg. MATH APPEAL MIND STRETCHING MATH RIDDLES. III. Harry Briggs.
Scholastic, 2003.
510 /T164ma Tang, Greg. MATH-TERPIECES THE ART OF PROBLEM-SOLVING. III. Greg
Paprocki. Scholastic, 2003.
513 /C377m Lilly, Marsha W. MATH TO KNOW.] Great Source, 2000.
513 /L674a Lewis, J. Patrick. ARITHME-TICKLE AN EVEN NUMBER OF ODD RIDDLE-
RHYMES. III. Frank Remkiewicz. Harcourt, 2002.
759 /N712a Nilsen, Anna. ART AUCTION MYSTERY. Kingfisher, 2005.
793.7 /Z38mo Zaslavsky, Claudia. MORE MATH GAMES AND ACTIVITIES FROM AROUND THE
WORLD. Chicago Review Press, 2003.
793.7 T164g Tang, Greg. THE GRAPES OF MATH MIND STRETCHING MATH RIDDLES. III.
Harry Briggs. Scholastic, 2001.
811 /F825m Franco, Betsy. MATHEMATICKLES! III. Steven Salerno. Margaret K. McElderry, 2003.
- E /G559e Glicksman, Caroline. ERIC THE MATH BEAR. Alfred A. Knopf, 2003.
E /K93eq Kroll, Virginia L. EQUAL, SHMEQUAL. III. Philomena O'Neill. Charlesbridge, 2005.

Time

- 526 /L345m Lasky, Kathryn. THE MAN WHO MADE TIME TRAVEL. III. Kevin Hawkes. Farrar,
Straus and Giroux/Melanie Kroupa, 2003.
529 /L668k Levy, Janey. KEEPING TIME THROUGH THE AGES THE HISTORY OF TOOLS
USED TO MEASURE TIME. PowerKids, 2004.
529 /M978i Murphy, Stuart J. IT'S ABOUT TIME! III. John Speirs. HarperCollins, 2005.
529 /N147c Nagda, Ann Whitehead and Cindy Bickel. CHIMP MATH: LEARNING ABOUT TIME
FROM A BABY CHIMPANZEE. Holt, 2002.
529 /O44t Older, Jules. TELLING TIME: HOW TO TELL TIME ON DIGITAL AND ANALOG
CLOCKS! III. Megan Halsey. Charlesbridge, 2000.
529 /S629 Skurzynski, Gloria. ON TIME FROM SEASONS TO SPLIT SECONDS. National
Geographic, 2000.
529 /W455h Wells, Robert E. HOW DO YOU KNOW WHAT TIME IT IS? Albert Whitman, 2002.
529.7 /K86a Koscielniak, Bruce. ABOUT TIME: A FIRST LOOK AT TIME AND THE CLOCKS.
Houghton Mifflin, 2004.
E /C956a Crummel, Susan Stevens. ALL IN ONE HOUR. III. Dorothy Donohue. Marshall
Cavendish, 2003.
E /G779c Gray, Kes. CLUCK O'CLOCK. III. Mary McQuillan. Holiday House, 2004.
E /S572w Sierra, Judy. WHAT TIME IS IT, MR. CROCODILE? III. Doug Cushman. Gulliver
Books, 2004.

Suggested Search Terms

Addition
Algebra
Arithmetic/fiction/poetry
Averages
Counting
Decimal system
Distance Measurement
Division
Estimation theory
Fractions / Ratio & Proportion
Geometry/Shapes/space perception/form perception
Graphic Methods
Hundred, the number
Math Anxiety
Mathematical problems/Word problems/Problem solving/Exercises/Logic
Mathematical Recreations
Mathematics
Mathematics fiction/folklore
Mathematics games
Mathematics Miscellanea
Mathematics Poetry
Measurement
Metric System
Multiplication
Numbers (natural, ordinal) / systems / concept / numerals / numeration
Pattern Perception / Mathematical sequences
Percentage
Place Value
Probabilities
Set Theory
Size/Size Perception
Subtraction
Time/Time measurements/Time Fiction
Weights and Measures

Curriculum Resources Laboratory

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