

Resource Guide

a resource for integrating literacy
instruction with science, social studies,
and math

Provo City School District
2002

SECOND GRADE – SCIENCE – ANIMALS

Read Alouds:

- A Nest Full of Eggs by Pricilla Belz Jenkins, 1995, Scholastic, ISBN 0-590-27592-5.
Follows the development in a robin egg and shows feathers of different birds.
- Animal Dads by Sneed B. Collard III, 2000, Houghton Mifflin, ISBN 0-590-12230-9.
Relates things that Dads do for their babies.
- Ant Cities by Arthue Durros, 1987, Scholastic, ISBN 0-590-42628-1. *Describes different types of ants, their life cycle, and how ants live in cities.*
- Arctic Babies by Kathy Darling, 1997, Walker & Co., ISBN 0-590-12230-4. *A nonfiction book that presents information in an encyclopedia-like format.*
- Backyard Insects by Millicent E. Selsam & Ronald Goor, 1981, Scholastic, ISBN 0-590-42256-1. *Shows how insects use their color to hide or warn of danger.*
- Beavers, 1995, Scholastic, ISBN 0-590-47084-1. *Real life photos show how beavers make their homes.*
- Biggest, Strongest, Fastest by Steve Jenkins, 1995, Scholastic, ISBN 0-590-72427-4.
Facts about animals that are the biggest, strongest and fastest.
- Bugs by Nancy Winslow Parker & Joan Richards Wright, 1987, Scholastic, ISBN 0-590-44478-6. *Tells about many common bugs and their characteristics.*
- Creatures of the Night by Judith E. Rinard, ISBN 0-394-82799-6. *Found in the Harcourt Brace Second Grade Anthology Living Colors.*
- Fish is Fish by Leo Leonni, 1970, Dragonfly Books, *Life cycle of the frog.*
- From Caterpillar to Butterfly by Deborah Heiligman, 1996, Scholastic, ISBN 0-590-4143-6. *Children bring a caterpillar to school and watch the life cycle as it changes to a butterfly.*
- How Animals Care for Their Babies by Roger B. Hirschland, 1996, National Geographic Society, ISBN 0-7922-3407-3. *32 photographs and text capture how parents big and small feed their babies, protect them, and make homes for them.*
- I Love Guinea Pigs by Dick King-Smith, 1994, Candlewick Press, ISBN 0-590-62942-5.
Tells about the author's experiences with guinea pigs. Includes factual information about guinea pigs.
- Incredible Animals A to Z, 1985, National Wildlife Federation, ISBN 0-91286-66-6.
Pictures and descriptions of unusual animals.
- Owl Babies by Marten Waddell, 1975, Candlewick Press, ISBN 0-590-58284-4. *Story of three baby owls who wake up to find their mother gone. They wonder what can be done and when she will return.*
- Polar Wildlife by Kamine Khanduri, 1992, Scholastic, ISBN 0-590-48048-0. *Describes the various animals that live in the polar region.*
- Questions and Answers about Sharks by Ann McGovern, 1995, Scholastic, ISBN 0-590-41342-5. *Questions about a shark's life and habits are answered.*
- Sea Turtles by Gail Gibbons, 1995, Holiday House, ISBN 0-8234-1191-5. *Describes different types of sea turtles and their life cycles.*
- Seasons of a Red Fox by Susan Saunders, 1991, Smithsonian Wild Heritage Collection.
Seasonal changes in a fox.

See How They Grow : Mouse by Barrie Watts, 1992, Lodestar Books, ISBN 0-525-67357-1. *Photographs and text depict the development of a mouse from birth to eight weeks old.*

Snakes by Patricia Demelth, 1993, Scholastic, ISBN 0-590-62190-4. *Characteristics of snakes, what they eat, how they protect themselves and their value.*

Snow-Bear by Jean Craighead George, 1999, Scholastic, ISBN 0-439-20358-9. *An Eskimo child and bear cub meet in the arctic and play until a large male polar bear enters the scene.*

Squirrels by Brian Wildsmith, 1974, Scholastic, ISBN 0-590-20440-8. *Describes squirrels and their lifestyle.*

Stellaluna by Janell Cannon, 1993, Harcourt-Brace & Co., ISBN 0-590-20440-8. *A bat is raised by a mother bird, but finds it hard to act like a bird.*

Sweet Dreams by Kimiko Kajikawa, 1999, Scholastic, ISBN 0-439-14809-X. *Pictures and simple text show how various animals sleep.*

Tadpoles by Betsy James, 1999, Scholastic, ISBN 0-439-21613-3. *Follows the life cycle of frog eggs a young girl has collected from a pond. Compares speed of development with a human baby.*

Terry and the Caterpillar by Millicent E. Selsam, *Follows the life cycle of a moth through the eyes of a young girl.*

The Web of Life by Melvin Berger, 1996, Newbridge, ISBN 1-56784-231-3. *All living things are connected to each other in many different ways.*

What Do Animals Do in Winter? By Melvin & Gilda Berger, 1995, Ideal Children's Books, ISBN 1-57102-055-1. *How different animals adapt to the cold.*

Wow! It's Great Being a Duck by Joan Rankin, 2001, Aladdin Paperbacks, ISBN 0-689-84047-0.

Shared Reading:

Big Book: Animals and Their Babies by Melvin Berger. 1993, Newbridge, ISBN 1-56784-003-5. *How animal parents care for and protect their babies.*

Big Book: Animals Born Alive and Well by Ruth Heller, 1982, Scholastic, ISBN 590-72428-2. *Animals and characteristics in rhyme.*

Big Book: Animal Migration 1991, Scholastic, ISBN 0-590-72640-4. *Complex text, better as a read aloud or shared reading when one page or paragraph is enlarged on a chart.*

Big Book: Butterfly Magic by Melissa Getzoff, 1996, Troll, ISBN 0-8167-3862-9. *Simple text and illustrations depict how a caterpillar is transformed into a butterfly.*

Big Book: A Butterfly is Born by Melvin Berger, 1996, Newbridge, ISBN 1-56784-012-4. *Life cycle of a butterfly.*

Big Book: A House for Hermit Crab by Eric Carle, 1987, Harcourt Brace, ISBN 0-15-302468-2. *A year in the life of a crab as he grows into and too large for his borrowed shell.*

Big Book: Leaping Frog by Melvin Berger, 1996, Newbridge, ISBN 1-56784-023-X. *Life cycle of frogs and different types of frogs.*

Big Book: Make Way for Ducklings by Robert McCloskey, 1941, Scholastic, ISBN 0-590-72806-7. *Life of mallard ducks and their offspring.*

Big Book: Squirrels All Year Long by Melvin Berger, 1992, Newbridge, ISBN 1-56784-003-5. *Follows squirrels through the four seasons and shows how they change for winter.*

Big Book: The Very Hungry Caterpillar by Eric Carle, 1987, Scholastic, ISBN 0-590-73325-7. *Life cycle from eggs to caterpillar to butterfly.*

Big Book: What is a Fish? By David Eastman, Troll, ISBN 0-89375-660-1. *Describes different kinds of fish and where and how they live.*

Big Book: The World of Ants by Melvin Berger, 1996, Newbridge, ISBN 1-56784-008-6. *Life cycle of ants—types of ants and their homes.*

Excerpt: 'Wonderful Worms' by Linda Gaser found in Harcourt Brace First Grade Anthology Full Sails.

Poems: Poems About Fur and Feather Friends by Leland B. Jacobs, 1971, Garrard Publishing. *Many poems on animals included.*

Poems: Dinosaur Dinner by Dennis Lee, 1997, Alfred A. Knopf, ISBN 0-679-87009-1. *Many poems on dinosaurs which students love.*

Poems: Wild Critters by Tim Jones, 1992, Epicenter Press, ISBN 0-945397-25-9.

Poems: The Little Naturalist by Frances Frost, 1959, McGraw-Hill.

Poem: 'Bugs! Bugs!', A Pizza the Size of the Sun, by Jack Prelutsky, 1996, Scholastic, ISBN 0-590-37469-9.

Poems: Animal Acrostics by David Hummon, 1999, Dawn Publications, ISBN 1-883220-91-2. *Many acrostic poems about different animals.*

Poem: Silly Rhymes by Mik Brown, 1988, Warwick Press, ISBN 0-531-19047-1.

Interactive Writing:

- Create a paragraph identifying the characteristics of a mammal.
- Label the life cycle of a butterfly, ant, or frog.
- Create a paragraph about how various animals change to adapt to the winter.
- Create a paragraph about how some animals protect themselves and their young.
- Write about the various groups of animals such as reptiles, insects etc.
- List which animals are warm blooded and which are cold blooded.

SECOND GRADE – SCIENCE – HEAT, LIGHT AND COLOR

Read Alouds:

- Animals Keeping Warm by Jane Burton, 1991, Random House Books for Young Readers, ISBN 0-394-82262-5. *Photographs and text depict how fur, feathers, and blubber keep animals warm in cold weather.*
- A Color of His Own by Leo Lionni, 1975, Scholastic, ISBN 0-590-48279-3. *A little chameleon is distressed that he doesn't have his own color like other animals.*
- The Color of Us by Karen Katz, 1999, Scholastic, ISBN 0-439-22116-1. *Seven-year-old Lena and her mother observe the variations in the color of their friends' skin, viewed in terms of foods and things found in nature.*
- Day Light, Night Light by Franklyn M. Branley, 1975, Scholastic, ISBN 0-590-51260-9. *Gives information about the different ways we get light.*
- Eyewitness: Light by David Burnie, 1999, Dorling Kindersley Publishing, Incorporated, ISBN 0-789-44885-8. *Gives information about light, shadows, reflection, refraction, etc.*
- Heat Wave by Helen Ketteman, 2000, Walker Publishing Company, Inc., ISBN 0-8027-7577-2. *A terrible heat wave descends upon a farm, turning the corn to popcorn and almost cooking the cows, but the girl of the family saves the day.*
- Hello, Red Fox by Eric Carle, 1998, Simon & Schuster Books for Young Readers, ISBN 0-689-81775-4. *As you read about Little Frog's birthday, you will learn about complementary colors.*
- Hot and Cold by Alvin Granowski, 2001, Milbrook Press, ISBN 0-761-32463-1. *On a trip to the zoo, Sonya and Greg experience different temperatures and see animals that enjoy temperature extremes.*
- Hot and Cold by Sally Hewitt, 2000, Children's Press, ISBN 0-516-21654-6. *Introduces the concept of hot and cold temperatures, how and why they occur, the effects of heat and cold, and heat as a source of energy.*
- Light by Melvin Berger, 1996, Newbridge Educational Publishing, ISBN 1-56784-130-9. *This is a great resource, in simple text, to introduce sources of light.*
- Magic School Bus Gets A Bright Idea: A Book About Light by Nancy White, 1999, Scholastic, ISBN 0-439-10274-X. *Ms. Frizzle teaches her class about the properties of light when they go to see a light show.*
- Magic School Bus In The Arctic: A Book About Heat by Joanna Cole, 1998, Scholastic, ISBN 0-590-18724-4. *The Magic School Bus slides into the icy arctic to learn why people, animals, and things lose heat and how they preserve it--from house insulation to walrus blubber!*
- Magic School Bus Makes A Rainbow by Joanna Cole, 1997, Scholastic, ISBN 0-590-092251-3. *The class rides into a white light pinball machine to learn about the dazzling wonders of color and light.*
- My Many Colored Days by Dr. Seuss, 1996, Knopf Alfred A, ISBN 0-679-87597-2. *This rhyming story describes each day in terms of a particular color which is associated with specific emotions.*

- Nothing Sticks Like a Shadow by Ann Tompert, 1984, Houghton Mifflin Company, ISBN 0-395-47950-9. *To win a bet, Rabbit tries to get rid of his shadow with the aide of many animal friends.*
- Shadow Magic by Phylliss Adams, 1987, Modern Curriculum Press Inc., ISBN 0-8136-5692-3. *A babysitter uses his flashlight to show Carla and Jake some of the properties of light.*
- Shadows by Carolyn B. Otto, 2001, Scholastic, ISBN 0-439-20548-4. *Uses photographs to illustrate how shadows are made and discusses what is needed to make a shadow.*
- Shadows Everywhere by Gina Shaw, 1999, Scholastic, ISBN 0-590-52296-5. *Discusses what causes shadows, how they change depending on placement of the light source, and ways to have fun making shadows.*
- The Sun by Brenda Parkes, 1998, Newbridge Educational Publishing, ISBN 1-56784-929-6. *This book uses simple text to point out that the sun is our main source of heat.*
- Temperature and You by Virginia Buckley, 1990, Penguin Putnam Books for Young Readers, ISBN 0-525-67271-0. *Discusses what temperature is and how it is measured.*
- What Makes a Shadow? by Clyde Robert Bulla, 1999, HarperCollins Children's Books, ISBN 0-060-22916-0. *Where do shadows come from? In this book the reader will discover the basic properties of light and will be introduced to the fun of making shadows.*
- The Wonder of LIGHT by Jan Adkins, 1997, Newbridge Educational Publishing, ISBN 1-56784-475-8. *Talks about light sources, reflection, refraction, and how the sun gives us heat.*

Shared Readings:

- Book: Light by Melvin Berger, 1996, Newbridge Educational Publishing, ISBN 1-56784-130-9. *This is a great resource to introduce sources of light that could be used for Shared Reading.*
- Excerpt: Eyewitness: Light by David Burnie, 1999, Dorling Kindersley Publishing, Incorporated, ISBN 0-789-44885-8. *Gives information about light, shadows reflection, and refraction that could be used for Shared Readings.*
- Excerpt: Temperature by Brenda Walpole, 1995, Gareth Stevens Publishing, ISBN 0-8368-1363-4.
- Excerpt: The Wonder of LIGHT by Jan Adkins, 1997, Newbridge Educational Publishing, ISBN 1-56784-475-8. *A book about light sources, reflection, refraction, and how the sun gives us heat.*
- Poem: 'Invention' by Shel Silverstein, in Where the Sidewalk Ends, 1974, HarperCollins Publishers, ISBN 06-025667.
- Poem: 'It's Hot!' by Shel Silverstein, in A Light in the Attic, 1981, HarperCollins Publishers, ISBN 0-06-025673-7.
- Poem: 'Moon-Catchin' Net' by Shel Silverstein, in A Light in the Attic, 1981, HarperCollins Publishers, ISBN 0-06-025673-7.
- Poem: 'Pancake?' by Shel Silverstein, in Where the Sidewalk Ends, 1974, HarperCollins Publishers, ISBN 06-025667.

- Poem: 'Reflection' by Shel Silverstein, in A Light in the Attic, 1981, HarperCollins Publishers, ISBN 0-06-025673-7.
- Poem: 'Shadow Wash' by Shel Silverstein, in Where the Sidewalk Ends, 1974, HarperCollins Publishers, ISBN 06-025667.
- Poem: 'Signals' by Shel Silverstein, in A Light in the Attic, 1981, HarperCollins Publishers, ISBN 0-06-025673-7.
- Poem: 'Shadow Race' by Shel Silverstein, in A Light in the Attic, 1981, HarperCollins Publishers, ISBN 0-06-025673-7.
- Song: 'Light' by Meish Goldish, in 101 Science Poems and Songs for Young Learners, 1996, Scholastic, ISBN 0-590-96369-4.
- Song: 'Shadow' by Meish Goldish, in 101 Science Poems and Songs for Young Learners, 1996, Scholastic, ISBN 0-590-96369-4.

Interactive Writing:

- Write about what makes a shadow.
- Describe how a shadow changes throughout the day.
- Explain the role of the sun in giving us heat and light.
- Make a list of light sources.
- Make a list of heat sources.
- Write a class book that tells about different sources of heat.
- Write a class book that tells about different sources of light.

SECOND GRADE – SCIENCE – MATTER

Read Alouds:

Bartholomew and the Oobleck by Dr. Suess, Random House, ISBN 0-394-80075-3. *The King tries to rule the skies and ends up covering his kingdom in oobleck* (2nd grade science library).

Changing Things, Robin Kerrod, Silver Burdett Pr., 0382094212.

From Glasses to Gases David Darling, Dillon Pr., ISBN 0875185002. *Materials are used to make common objects change.*

Katy and the Big Snow, by Virginia Lee Burton Houghton Mifflin Co., ISBN 0-395-18562-9. *Katy, the red crawler tractor saves the town in a big snowstorm.* (2nd grade science library)

The Magic Fan by Keith Baker, ISBN B060065V28. *A Japanese Carpenter, bored with his usual work, finds inspiration in the pictures that appear on a magic fan. Look at the different types of matter used to build a ship, a kite, and bridge.* (2nd grade science library)

The Magic School Bus Gets Baked in a Cake, Scholastic, ISBN 0-590-22295-3. *Ms Frizzle's class takes a field trip to the bakery and ends up inside a cake. Join the class and learn some kitchen chemistry.* (2nd grade science library)

Oil Spill, by Melvin Berger, Harper Collins Publishers, ISBN 0-06-445121-6. *Explains why oil spills occur and how they are cleaned up and suggests strategies for preventing them in the future. Oil changes states.* (2nd grade science library)

Pancakes, Pancakes!, Eric Carle, Scholastic, ISBN 0-590-44453-0. *A story of how to get an old-fashioned pancake breakfast. There are different types of matter needed for making pancakes.* (2nd grade science library Big Book and student books)

The Sea-Breeze Hotel, by Marcia Vaughan Willa, HarperCollins Publishers, ISBN 0-06-443406-0. *A boy named Sam gets an idea about how to attract people to a hotel located in a very windy place. Examine the different matter used to make the kites.*

Snowballs by Lois Ehlert Harcourt Brace & Company, ISBN 0-15-200074-7. *Some children create a family out of snow. Information about how snow is formed.* (2nd grade science library)

Solid, Liquid, or Gas? by Sally Hewitt, Children's Press, ISBN 0516207946.

Solid, Liquid, or Gas? by Fay Robinson, Children's Press, ISBN 0516460412. *Photo essay defines Matter – solids, liquids, and gases.*

What is Matter? By Lisa Trumbauer, Newbridge, ISBN 1-56784-348-4. *Explains that matter is everywhere, exists in different state and can change forms.*

Shared Readings:

Song: 'Ice' by Meish Goldish, in 101 Science Poems and Songs for Young Learners, 1996, Scholastic, ISBN 0-590-96369-4

Poem: 'Icicles' by Meish Goldish, in 101 Science Poems and Songs for Young Learners, 1996, Scholastic, ISBN 0-590-96369-4

Poem: Splish Splash by Joan Brannsfeld Graham, Sandpiper, ISBN 0618111239. *Poems about water.* (2nd grade science library)

Excerpts from read aloud – Oobleck, pg. 10 & 13.

Text from What is Matter? (See Read Aloud)

Interactive Writing Ideas:

- Write the definition of matter.
- Define each state of matter and describe the properties for each.
- Make a list of objects that are made of mostly one kind of material and indicate the material that they are mostly made of (paper, glass, wood, metal, plastic, etc.).
- Make a list of objects that are made of more than one kind of material (complex objects)
- Describe the physical properties (weight, flexibility, texture, size, shape) of objects.
- Write a paragraph about a science lesson or experiment that you did as a class.
- Make a class book about matter.
- Write riddles about objects using physical properties. Give your riddles to another class and see if they can guess.

SECOND GRADE – SCIENCE – PLANTS

Read Alouds:

City Green by DyAnne DiSalvo-Ryan, 1994, Scholastic, ISBN 0-590-62218-8. *Members of a neighborhood come together and turn an empty lot into a community garden.*

Dandelion Year by Sharon Fear, 2001, Celebration Press, ISBN 0-673-59-296-0.

Describes how a dandelion grows and disperses seeds.

Dandelions by Mia Posada, 2000, Scholastic, ISBN 0-439-27308-0. *Describes seed dispersal and how dandelions grow.*

Evergreens Are Green by Susan Canizares, 1998, Scholastic, ISBN 0-590-15582-2.

Photographs and simple text explore the contrast between evergreens and deciduous trees through the four seasons.

Flower Garden by Eve Bunting, 1994, Scholastic, ISBN 0-439-19571-3. *A young city girl makes a windowsill garden to give her mom as a birthday present.*

From Seed to Plant by Gail Gibbons, 1991, Holiday House, ISBN 0-8234-0872-8.

Explores the relationship between seeds and the plants they produce.

The Garden of Happiness by Erika Tamar, 1996, Harcourt Brace, ISBN 0-15-230582-3.

Marisol and her neighbors turn a vacant New York City lot into a lush community garden.

How A Seed Grows by Helene J. Jordan, 1992, Scholastic, ISBN 0-590-27591-7.

Explains that there are many kinds of seed that grow into different kinds of plants. Illustrates what seeds need to grow.

How Do Apples Grow? By Betsy Maestro, 1992, Scholastic, ISBN 0-439-21163-8.

Explains the life cycle and seasonal changes of an apple tree.

It Could Still Be a Leaf by Allan Fowler, 1993, Childrens Press Inc., ISBN 0-516-06017-

1. Discusses different kinds of leaves, the forms and colors they may have, and their functions.

Jack's Garden by Henry Cole, 1995, The Trumpet Club, ISBN 0-440-83566-6.

Illustrates the events that take place in a garden and what it needs to grow.

The Lorax by Dr. Seuss, 1971, Random House, ISBN 0-394-82337-0. *The Once-ler*

describes the results of the local pollution problem.

Mighty Tree by Dick Gackenbauch, 1992, First Voyager Books, ISBN 0-15-200519-6.

Illustrates seed dispersal and what trees need to grow.

Miss Rumphius by Barbara Cooney, 1982, ISBN 0-14-050539-3. *Great-aunt Alice*

Rumphius makes the world more beautiful by planting flowers. The wind helps disperse the seeds.

One Bean by Anne F. Rockwell, 1999, Walker & Co., ISBN 0-80277572-1. *Describes what happens to a bean as it is soaked, planted, watered, and repotted.*

Planting a Rainbow by Lois Ehlert, 1988, Voyager Books, ISBN 0-15-262609-3. *A*

mother and child plant a rainbow of flowers in the family garden.

The Seasons of Arnold's Apple Tree by Gail Gibbons, 1984, ISBN 0-15-271246-1. *As*

the seasons pass, Arnold enjoys a variety of activities as a result of his apple tree.

A Seed Is A Promise by Claire Merrill, 1990, Scholastic Trade, ISBN 0-590-43454-3.

Talks about how a seed turns into a plant.

Seeds Get Around by Nancy White, 1993, Newbridge Communications, Inc., ISBN 1-56784-031-0. *Describes the different ways that seeds are dispersed.* (Located in the 2nd grade Newbridge science kit.)

Seeds Grow by Angela Shelf Medearis, 2000, ISBN 0-590-37974-7. *Simple rhymes, describes how seeds turn into sunflowers.*

The Tiny Seed by Eric Carle, 1987, Scholastic, ISBN 0-590-42566-8. *Describes seed dispersal and things that plants need to grow.*

Shared Readings:

Big Book: Seeds Get Around by Nancy White, 1993, Newbridge Communications, Inc., ISBN 1-56784-031-0. *Describes the different ways that seeds are dispersed.* (Located in the 2nd grade Newbridge science kit.)

Big Book: The Surprise Garden by Zoe Hall, 1998, Scholastic, ISBN 0-590-10075-0. *After sowing unmarked seeds, three youngsters wait expectantly for their garden to grow.*

Poem: ‘Dandelion Morning’ by Frances Frost, in The Little Naturalist, 1959, McGraw-Hill Books.

Poem: ‘The Garden’ by Shel Silverstein, in Where the Sidewalk Ends, 1974, HarperCollins Publishers, ISBN 06-025667.

Poem: ‘Grow Up!’ by Douglas Florian, in Laugh-eteria, 1999, Puffin Books, ISBN 0-329-21648-1.

Poem: ‘Little Seeds We Sow in Spring’ by Else Holmelund Minarik, in Month-by-Month Poetry: March, April, May, June, 1999, Scholastic Professional Books, ISBN 0-590-37903-8.

Poem: ‘My Kind of Flower’ by Jenny Whitehead, in Lunch Box Mail, 2001, Henry Holt and Company, ISBN 0-8050-6259-9.

Poem: ‘The Oak And The Rose’ by Shel Silverstein, in A Light in the Attic, 1981, HarperCollins Publishers, ISBN 0-06-025673-7.

Poem: ‘Spaghetti Seeds’ by Jack Prelutsky, in A Pizza the Size of the Sun, 1996, Scholastic, ISBN 0-590-37469-9.

Poem: ‘Seeds’ by Aileen Fisher, in Month-by-Month Poetry: March, April, May, June, 1999, Scholastic Professional Books, ISBN 0-590-37903-8.

Poem: ‘Treetice’ by Douglas Florian, in Laugh-eteria, 1999, Puffin Books, ISBN 0-329-21648-1.

Song: ‘Green Plants’ by Meish Goldish, in 101 Science Poems and Songs for Young Learners, 1996, Scholastic, ISBN 0-590-96369-4.

Song: ‘Parts of a Plant’ by Meish Goldish, in 101 Science Poems and Songs for Young Learners, 1996, Scholastic, ISBN 0-590-96369-4.

Interactive Writing Ideas:

- Label the parts of a plant.
- Describe how seeds are dispersed.
- Write about what plants need to grow.
- Label the life cycle of a plant.
- Write the names of the seasons and label a chart showing what trees look like in each season.

- Make a class book about how the ways that seeds travel.
- Write a paragraph describing a class activity or experiment that you did while studying about plants.
- List some common items we eat and use that are seeds.

SECOND GRADE – SCIENCE – ROCKS

Read Alouds:

- The Big Rock by Bruce Hiscock, 1999, Atheneum Macmillian Publishing Co, ISBN 0-689-31402. *This is the nonfiction story of a chunk of granite that lies in the woods in a section of the Adirondack Mts.*
- Everybody Needs a Rock by Byrd Baylor, 1974, Aladdin Paperbacks, ISBN 0-689-71051-8. *Ten steps in picking out a rock of your own.*
- Fezzel's Rock by Leigh Ahlgren, 1998, Scholastic, ISBN 0-439-05967-4. *A story written by a fourth grade student about the rock cycle.*
- Iktomi and the Boulder by Paul Goble, 1991, Orchard Books, ISBN 0-531-05760-7. *Iktomi, a Plains Indian trickster attempts to defeat a boulder with the assistance of some bats.*
- It Could Stil Be a Rock by Allan Fowler, 1993, Childrens Press, ISBN 0-516-6010-4. *Discusses the size, shape, composition, origin, and other aspects of various rocks.*
- Mr. Meredith and the Truly Remarkable Stone by Grace Chetwin, 1989, Simon and Schuster, ISBN 0-02-718313-0. *When Mr. Meredith finds a truly remarkable stone, he builds a series of even grander structures in which to house it.*
- My Ol' Man by Patricia Polacco, 1995, Philomel Books, ISBN 0-399-22822-5. *A girl recalls the special summer spent in Michigan with her yarn-spinning father and a magic rock.*
- The Pebble in My Pocket by Meredith Hooper, 1996, Viking, ISBN 0-670-86259. *A non-fiction story of a pebble that provides a fascinating account of the planet's dramatic history, encouraging young readers to look at the amazing world around them in a whole new way.*
- Peter and the Rocks by Lawrence F. Lowery, 1993, Encyclopedia Britannica, ISBN 0-7826-0721-7. *Peter starts collecting rocks, categorizes and sorts them. The book is written in English and Spanish.*
- Remarkable Rocks by Ron Cole, 1996, Newbridge, ISBN 1-56784-246-1. *Includes a brief history of the Earth's crust, where to find igneous, sedimentary, and metamorphic rocks.*
- Rock Collecting by Roma Gans, 1984, Harper Collins Publishers, ISBN 0-590-4143-6. *Describes characteristics of rocks and how they are formed and used.*
- Rocks and Fossils by Martyn Bramwell, EDC Publishing, ISBN 0-7460-1975-0. *Pictures of rocks and fossils.*
- Rocks and Minerals by Dr. R.F. Symes, 1988, Alfred A. Knopf, ISBN 0-394-89621-1. *There are color pictures of different types of rocks, gems, and fossils.*
- Rocks and Minerals by Steve Parker, 1997, DK Publishing, Eyewitness Explorers, ISBN 1-56458-394-5. *Color pictures that show the characteristics of rocks and minerals.*
- Roxaboxen by Alice McLewran, 1993, Puffin Books, ISBN 0-14-054475-5. *Children use rocks to build a "city" they name Roxaboxen.*
- Stone Soup by Ann McGovern, 1968, Scholastic, ISBN 0-590-41602-2. *Soldiers trick a village into feeding them by making "stone" soup.*

The Sun, the Wind, and the Rain by Lisa Westberg Peters. (located in Grade 2 Harcourt Brace Anthology Living Colors).

Sylvester and the Magic Pebble by William Steig, 1973, Simon & Schuster, Inc. *In a moment of fright, Sylvester the donkey asks his magic pebble to turn him into a rock.*

Shared Reading:

Big Book: The Magic School Bus Inside the Earth by Joanna Cole, 1987, Scholastic, ISBN 0-590-72782-6.

Big Book: Rocks and Soil by Natalie Lunis, 1998, Newbridge, ISBN 1-56784-383-2.

Excerpt: A Rumble Tumbly Glittery Gritty Place by Mary Lyn Ray, 1993, Harcourt Brace, ISBN 0-152-92861-8. *A child describes all the wonderful things there are to enjoy in a gravel pit.*

Poem: 'In the Earth', by Meish Goldfish in 101 Science Poems and Songs for Young Learners, 1996, Scholastic, ISBN 0-590-96369-4.

Poem: 'Pebbles, Pebbles', Laugh-eteria by Douglas Florian, 1999, Puffin Books, ISBN 0-14-130990-3.

Poem: 'Rock' by Meish Goldfish in 101 Science Poems and Songs for Young Learners, 1996, Scholastic, ISBN 0-590-96369-4.

Poem: 'Stone Airplace' by Shel Silverstein in Falling Up, 1996, Harper Collins, ISBN 0-060-24802-5.

Poem: 'This is my Rock', by Mavid McCord in Harcourt Brace Anthology, Grade 2, Living Colors.

Song: 'Rock Song' by Vickie Ahlstrom.

Interactive Writing:

- Label the rock cycle.
- Write paragraphs about the different types of rocks and their characteristics.
- Label pictures showing the ways rocks can be used.

SECOND GRADE – SOCIAL STUDIES – AFRICA

Read Alouds:

- Abiyoyo by Pete Seeger, 1986 Scholastic, ISBN 0-590-42720-2. *Based on a South African lullaby and folk story.*
- Anansi Does the Impossible by Gerald McDermott, 1997, Scholastic, ISBN 0-8050-0310-8. *Anansi tricks the Sky God.*
- Anansi and the Talking Melon by Eric A. Kimmel. *Found in Harcourt Brace Second grade anthology, Out of the Blue.*
- Anansi the Spider by Gerald McDermott, 1972, Henry Holt & Co., ISBN 0-8050-0310-8. *Ashanti tribe tale of a spider who out tricks everyone.*
- Ashanti to Zulu: African Traditions by Margaret Musgrove, 1980, Penguin Putnam Books, ISBN 0-140-54604-9. *Explains some traditions and customs of 26 African tribes with the letters A to Z.*
- Dr. DeSoto Goes to Africa by William Steig, 1992, Trumpet, ISBN 0-590-18909-3. *Dr. DeSoto goes to African to help an elephant with a toothache.*
- Elephant Walk by Anna Vojtech, 1999, Scholastic, ISBN 0-439-10987-6. *The book describes the elephant's lifestyle in Africa.*
- Giraffe Trouble by Jean Craighead George, 1998, Scholastic, ISBN 0-439-10985-X. *Describes the lifestyle of giraffes.*
- Gorilla Gang by Stacey Schuett, 1998, Scholastic, ISBN 0-439-10984-1. *Describes the lifestyle of gorillas.*
- Handa's Surprise by Eileen Browne, 1994, Scholastic, ISBN 0-439-05654-3. *A young girl transports fruit on her head and the animals eat it as she goes to the next village.*
- The Hatseller and the Monkeys by Baba Wague Diakite, 1999, Scholastic, ISBN 0-590-96071-7. *Written by a native of Mali, this story is a version of the story Hats for Sale.*
- How Many Spots Does a Leopard Have? By Julius Lester, 1989, Scholastic, ISBN 0-590-41972-2. *A collection of African folk tales.*
- The Hunterman and the Crocodile by Baba Wague Diakite, 1997, Scholastic, ISBN 0-590-89829-9. *This African fable is retold by a native of Mali.*
- Juma and the Magic Jinn by Joy Anderson, 1986, Lothrop, Lee, & Shephard Books, ISBN 0-688-05443-9. *Juma didn't believe in magic or juns but he longed to be where there was nothing to learn and no one to remind him to behave.*
- King of Another Country by Fiona French, 1992, Scholastic, ISBN 0-590-46370-5. *Ojo never helped anyone and always said "No." One day he learned to be a king and say "Yes."*
- Learning to Swim in Swaziland by Nila K. Leigh, 1993, Scholastic, ISBN 0-590-4393-2. *A child's-eye view (with photos) of a Southern African country.*
- Life in the Rain Forest by Lucy Baker, Two-Can Publishing, ISBN 1-58728-5584. *Describes life, people, plants, and animals of the Rain forest.*
- Maja Means One in Swahili by Muriel L. Feelings, 1976, Penguin Books, ISBN 0-140-54662-6. *The numbers one through ten in Swahili accompany illustrations of various aspects of East African life.*

Mufaro's Beautiful Daughters by John Steptoe, 1987, Scholastic, ISBN 0-590-42058-2.
An African version of Cinderella.

Rhino Romp by Stacy Schuett, 1998, Scholastic, ISBN 0-439-10986-8. *Describes the lifestyle of the rhino.*

Traveling to Tondo by Verna Aardema, 1991, Scholastic, ISBN 0-590-46370-5. *A folktale from Zaire about the actions of four silly friends traveling to Tondo.*

When Africa was Home by Karen Lynn Williams, 1991, Orchard Books, ISBN 0-590-4143-6. *The story of a young American boy who lives in Africa.*

Wonders of the Rain Forest by Janet Craig, 1990, Troll, ISBN 0-8167-1763-8. *Describes plants and animals in the rain forest.*

Shared Reading:

Big Book: The Rain Forest, 1994, Scholastic, ISBN 0-590-48916-X.

Big Book: Africa and You by Detroit Public Schools, 1999, Metropolitan Teaching and Learning Co., ISBN 1-581-20802-2. *Pictures and text tell of customs dress, traditions, history and lifestyles of people in Africa.*

Poems: Animal Acrostics by David Hummon, 1999, Dawn Publications, ISBN 1-883220-91-2. *Acrostic poems about different animals in the African regions.*

Interactive Writing:

- Illustrate and label differences between Mali and Utah such as huts, homes, daily tasks, etc.
- List the various animal and plant life in the three regions of Africa.
- Describe the three regions of Africa.
- After reading several African folktales, write a new version of such a tale.

SECOND GRADE – SOCIAL STUDIES – COMMUNITIES

Read Aloud:

All the Places to Love by Patricia MacLachlan, 1994, HarperCollins, ISBN 0060210990.

A young boy describes the favorite places that he shares with his family on his grandparents' farm and in the nearby. (2nd Social Studies library)

Armadillo From Amarillo by Lynn Cherry, Gulliver Books, ISBN 0152003592. *By using characters that are far from ordinary and very likeable Lynn Cherry creates an enjoyable story that gives children an idea of where they are in the universe.*

City Dog by Karla Kuskin, 1994, Clarion Books, ISBN 0-395-90016-6. *A rhyming tale of a city dog's first outing. (2nd Social Studies library)*

Communities Grow and Change, lesson 3 pg 154-157 Harcourt Brace Social Studies Book (tie in to local community from school community)

The Garden of Happiness by Erika Tamar, 1996, Harcourt Brace, ISBN 0152305823.

Marisol watches with interest as grown-ups from her neighborhood descend on a junk-filled empty lot and transform it into a community garden. (2nd Social Studies library)

The Great Kapok Tree by Lynne Cherry, Harcourt Brace, ISBN 015200520X. *The many different animals that live in a great kapok tree in the Brazilian rainforest try to convince a man with an ax of the importance of not cutting down their home. (2nd Social Studies library)*

July by James Stevenson, 1990, Greenwillow Books, ISBN 0688088236. *The author recalls the summers he and his brother spent at their grandparents' house near the beach. (2nd Soc. St. library)*

Hucklebug by Stephen Cosgrove, 1978, A Serendipity Book, ISBN 0843105569. *Young Berry Hucklebug runs away from his village rather than help gather food but soon regrets his decision.*

The Lorax by Dr. Seuss, Random House, ISBN 0394823370. *The Lorax tries to save the Truffula Forest and its inhabitants from disaster at the hands of the Once-ler. (2nd Social Studies library)*

Make Apple Pie and See the World, Harcourt Brace social studies big book.

Demonstrates supply and demand.

Peter's Place by Sally Grindley, 1996, Gulliver Green, ISBN 0152009167. *Peter helps clean up the disaster when an oil tanker spills its cargo on his shoreline, but only time will truly heal the place. (2nd Social Studies library).*

The Quilt Story by Tony Johnson, 1985, Scholastic, ISBN 0399210091. *Long ago, a young girl named Abigail put her beloved patchwork quilt in the attic. Now years later another girl discovers the quilt and makes it her own, relying on its warmth to help her feel secure in a new home. (2nd Social Studies library)*

A River Ran Wild by Lynne Cherry, 1992, Harcourt Brace, ISBN 0152005420. *An environmental history of the Nashua River, from its discovery by Indians through the polluting years of the Industrial Revolution to the ambitious clean-up that revitalized it. (2nd Social Studies library)*

Sidewalk Trip by Patricia Hubbell, 1999, HarperFestival, ISBN 0694011746. *This playful account takes the reader on a stroll through the neighborhood.*

Stellaluna by Janell Cannon, Harcourt Brace, ISBN 0152802177. *Anyone who has ever been asked to be someone they're not will understand the conflicts--and possibilities--Stellaluna faces.* (2nd Social Studies library)

Town Mouse, Country Mouse by Jan Brett, 1994, G.P. Putnam's Sons, ISBN 059022297. *Two mice cousins compare their lifestyles and living conditions in the country and in the city.* (2nd Social Studies library)

A Very Eligible Place: Provo & Orem: An Illustrated History by Kenneth L. Cannon II 1987, Windsor Publications, ISBN 0-89781-220-4.

What is a Community from A to Z by Bobbie Kalman, 2000, Crabtree ISBN 0-86505-384-7. *This book is an alphabetical introduction to the basic concepts of community.*

Who Named My Street Magnolia? by Virginia Alexandria, 1995, Time Life for Children, ISBN 0783508980. *Questions and answers about neighborhoods.*

The Wump World by Bill Peet, Houghton Mifflin CO, ISBN 0395198410. *The Pollutians invade the Wump World and turn the green meadows into a concrete jungle.* (2nd Social Studies library)

Shared Reading:

Poetry: Thematic Poetry Neighborhood & Communities by Betsy Franco and friends, Scholastic

Excerpts: from Who Named My Street Magnolia? (see read aloud)

Text: from Sidewalk Trip (see read aloud)

Interactive Writing:

- Find where they live on a Provo map and label community areas that they use.
- Categorize products into goods and services
- Interactively write about why is it important to take care of your environment

SECOND GRADE – SOCIAL STUDIES – MAPS

Read Alouds:

Felix Explores Planet Earth by Annette Langan, 1997, Abbeville Press, ISBN 0-789-20320-0. *Felix, Sophie's stuffed rabbit, is off on another fantastic voyage and sends back informative letters from all the interesting places he visits.*

Jenny Lives on Hunter Street by Ngaire Ravenswood, 1992, Wright Group, ISBN 0-590-4143-6. *A young girl wants to go to Jenny's house. She shows her mom the way by identifying landmarks.*

The Librarian Who Measured the Earth, Vol. 1 by Kathryn Lasky, 1994, Little, Brown, & Co., ISBN 0-316-51526-4. *This book describes the life and work of Erathoshenes, the Greek geographer and astronomer who accurately measured the circumference of the Earth.*

Mapping Penny's World by Loreen Leedy, 2000, Holt, Henry Books, ISBN 0-805-6178-9. *After learning about maps in school, Lisa maps all the favorite places of her dog Penny.*

Maps and Globes by Ray Broekel, 1983, Children's Press, ISBN 0-516-01695-4. *Simple text explains and shows what a map is, symbols, and different types of maps.*

Maps and Mapping by Barbara Taylor, 1993, Kingfisher Books, ISBN 1-85697-936-9. *Explains maps, symbols, and uses starting with mapping your own room.*

Me on the Map by Joan Sweeney, 1998, Crown, ISBN 0-517-88557-3. *The book begins with crayon drawings of a girl's room and house and expands to the street, state, country, and world.*

My Map Book by Sara Fanelli, 1995, Harper Collins, ISBN 0-060-26455-1. *Twelve maps include a map of my family (family tree), a map of my tummy, etc.*

Shared Readings:

Big Book: As the Crow Flies by Gail Hartman, 1991, Harcourt Brace, ISBN 0-15-302469-0. *Shows symbols and directions on simple maps.*

Poem: 'Directions to the End of the World', Laugh-eteria by Douglas Florian, 1999, Puffin Books, ISBN 0-14-130990-3.

Poem: 'Making Maps' by Elaine Emans in Poetry Place Anthology, 1983, Scholastic, ISBN 0-590-49017

Poem: 'Maps' by Edith Amelia Skiles in Poetry Place Anthology, 1983, Scholastic, ISBN 0-599-49017

Interactive Writing Ideas:

- Label directions in your own room—north, south, east, west.
- Take a walk in your neighborhood and make a simple map; then interactively write labels for streets, landmarks, etc.
- Label the continents and symbols on a map.

SECOND GRADE – MATH – FRACTIONS

Read Alouds:

Eating Fractions by Bruce McMillan, 1991, Scholastic, ISBN 0-590-43770-4. *From bananas to pizza to fresh strawberry pie, get ready for a delicious introduction to the basic mathematical concept of fractions: halves, thirds, and quarters.*

Clean Sweep Campers by Lucille Richt Penner, 2000, Kane. *Eight messy bunkmates try to figure out how to divide themselves into equal teams to clean up their bunk.*

Fraction Action by Loreen Leedy, 1994, Holiday House, ISBN 0-8234-1109-5. *Miss Prime and her animal students explore fractions by finding many examples in the world around them.*

Fraction Fun by David A. Adler, 1996, Holiday House, ISBN 0-8234-134-1. *A basic introduction to the concept of fractions.*

Fractions Are Parts of Things by J. Richard Dennis, 1971, ISBN 0-690-31520-1. *Introduces basic information about fractions and presents practical, everyday applications along with intriguing puzzles.*

Fractions Making Fair Shares by Michele Koomen, Bridgestone Books, ISBN 0-7368-08175. *Simple text, photographs, and illustrations introduce fractions by showing children dividing a candy bar, a pizza, a rope of licorice, and a pie into fair shares.*

Funny Fairy Tale Math by Betsy Franco, 2001, Scholastic, ISBN 0-439-22726-715. *Reproducible stories with companion word problems that build essential math skills and meet the new NCTM standards.*

A Giraffe and a Half by Shel Silverstein, 1964, Harper & Row, Publishers ISBN 0060256559. *Rhyming story.*

Jump, Kangaroo, Jump! By Stuart J. Murphy, 1999, HarperCollins, ISBN 0-06445721. *Kangaroo and his Australian animal friends divide themselves up into different groups for the various field day events at camp.*

Little Numbers And Pictures That Show Just How Little They Are by Edward Packard, 2001, The Millbrook Press, ISBN 0-7613-1904-2. *A dinosaur helps show numbers smaller than 1. Uses powers of 10.*

Shared Reading:

Poem: ‘Sharing a Room’ by Betsy Franco in Counting Caterpillars and Other Math Poems, 1998, Scholastic, ISBN 0-590-64210-3.

Excerpts: from Fractions Making Fair Shares (see read aloud). *There are several good definitions that could be made into shared reading charts.*

Excerpts: from Giraffe and A Half, (see read aloud).

Interactive Writing Ideas:

- Write recipes using fractions.

- Define numerator and denominator.
- Define fraction.
- Write about everyday uses for fractions.
- Interactively label picture representations of fractions.

SECOND GRADE – MATH – GEOMETRY

Read Alouds:

Blue Sea by Robert Kalan, 1992, Morrow, William & Co., ISBN 0-688-11509-8. *Several fishes of varying size introduce space relationships and size differences.*

Circus Shapes by Stuart J. Murphy, 1997, HarperCollins Children's Books, ISBN 0-064-46713-9. *Circus animals and performers getting ready for a show form basic geometric shapes.*

A Cloak for the Dreamer by Aileen Friedman, 1995, Scholastic, *A tailor's three sons make cloaks for the Archduke. One uses only rectangles; the second, squares and triangles; but the third son makes his of circles the shape of the globe. While beautiful, it's filled with open spaces, until his brothers show him how to change circles to hexagons, producing the best cloak of all.*

The Greedy Triangle by Marilyn Burns, 1994, Scholastic, ISBN 0-590-48992-5. *The Greedy Triangle decides that he needs some excitement in his life. He makes several visits to the shapeshifter to change his shape.*

The Missing Piece by Shel Silverstein, 1976, HarperCollins Children's Books, ISBN 0-060-25671-0. *A circle has difficulty finding its missing piece but has a good time looking for it.*

The Quiltmaker's Gift by Jeff Brumbeau, 2001, Scholastic, ISBN 0-439-30910-7. *When a generous quiltmaker finally agrees to make a quilt for a greedy king but only under certain conditions, she causes him to undergo a change of heart.*

Round Is A Mooncake by Roseanne Thong, 2000, Chronicle Books, ISBN 0-811-82676-7. *As a little girl discovers things round, square, and rectangular in her urban neighborhood, she is reminded of her Chinese American culture.*

The Shape of Me and Other Stuff by Dr. Seuss, 1973, Random House Incorporated, ISBN 0-394-82687-6. *Rhyme and silhouette drawings introduce the shape of bugs, balloons, peanuts, camels, spider webs, and many other familiar objects.*

Shape Up! by David A. Adler, 2000, Holiday House, ISBN 0-823-41638-0. *Uses cheese slices, pretzel sticks, a slice of bread, graph paper, a pencil, and more to introduce various polygons, flat shapes with varying numbers of straight sides.*

Shapes For Lunch by Charles Reasoner, 1998, Penguin Putnam Books, ISBN 0-843-17822-1. *An army of ants enjoys a picnic lunch in Shapes for Lunch! Each piece of food is associated with a shape: a circle of bologna, a star-shaped cookie, a gelatin cube.*

Shapes, Shapes, Shapes by Tana Hoban, 1995, Morrow, William Co., ISBN 0-688-14740-2. *Photographs of familiar objects such as chair, barrettes, and manhole cover present a study of rounded and angular shapes.*

The Silly Story of Goldie Locks and the Three Squares by Grace MacCarone, 1996, Scholastic, Inc., ISBN 0-590-54344-X. *A modern descendant of the Goldilocks of folklore fame makes a similar visit to a stranger's house--with a geometric twist.*

Star Boy by Paul Goble, 1991, Simon & Schuster, ISBN 0-689-71499-8. *The son of Morning Star and an earthly bride, Star Boy was banished from the Sky World for his mother's disobedience. The love of the chief's daughter helps him find the courage to journey to the Sky World and make peace with the Sun.*

Take Off With Shapes by Sally Hewitt, 1996, Raintree Steck-Vaughn Company, ISBN 0-8172-4114-0. *This book takes a friendly look at shapes and ways of recognizing them.*

There's a Square by Mary Serfozo, 1996, Scholastic, ISBN 0-590-63392-9. *Describes the characteristics of flat shapes.*

When a Line Bends A Shape Begins by Rhonda Gowler Greene, 1997, Scholastic, ISBN 0-590-64205-7. *This book tells about several flat shapes and their characteristics.*

The Wing on a Flea by Ed Emberley, 2001, Little Brown Children's Books, ISBN 0-316-23487-7. *Simple rhyming text and illustrations guide the reader to see triangles, rectangles, and circles in everyday things.*

Shared Readings:

Excerpt: Star Boy by Paul Goble, 1991, Simon & Schuster, ISBN 0-689-71499-8. *The son of Morning Star and an earthly bride, Star Boy was banished from the Sky World for his mother's disobedience. The love of the chief's daughter helps him find the courage to journey to the Sky World and make peace with the Sun.*

Excerpt: When a Line Bends A Shape Begins by Rhonda Gowler Greene, 1997, Scholastic, ISBN 0-590-64205-7. *This book tells about several flat shapes and their characteristics*

Poem: 'Shapes' by Shel Silverstein, in A Light in the Attic, 1981, HarperCollins Publishers, ISBN 0-06-025673-7.

Interactive Writing Ideas:

- Write definitions for 2-D shapes (circle, square, rectangle, triangle, etc.)
- Write definitions for 3-D shapes (sphere, cube, cone, rectangular prism, etc.)
- Make a table listing the shapes of every day items.
- Make a class book about shapes.

SECOND GRADE – MATH – MEASUREMENT

Read Alouds:

Fannie in the Kitchen by Deborah Hopkinson, 2001, Simon & Schuster, ISBN 0-689-81965-X. *Fannie Farmer is a mother's helper in the Shaw house, where the daughter gives her the idea of writing down precise instructions for measuring and cooking, which eventually became one of the first modern cookbooks.*

Farmer Mack Measures His Pig by Tony Johnston, 1986, HarperCollins, ISBN 0-060-23017-7. *Farmer Mack's attempts to measure his wonderfully fat pig create chaos on his farm.*

The Fattest, Tallest, Biggest Snowman Ever by Bettina Ling, 1996, Scholastic, ISBN 0-590-97284-7. *Two children use non-standard measurements, such as paper clips, sticks, and their arms, to determine who has built the biggest snowman.*

Foot By Boot by Rolf Myller, 1990, Dell Young, ISBN 0-768-50551-8. *The King wants to give the Queen something special for her birthday. He finds out the importance of using a standard unit of measurement when he commissions one of his subjects to make a bed for the Queen.*

If You Hopped Like A Frog by David M. Schwartz, 1999, Scholastic, ISBN 0-590-09857-8. *Introduces the concept of ratio by comparing what humans would be able to do if they had bodies like different animals.*

Inch by Inch by Leo Lionni, 1994, Morrow, William & Co., ISBN 0-688-13283-9. *Lionni introduces an inchworm, who is proud of his ability to measure anything under the sun.*

Jim and the Beanstalk by Raymond Briggs, 1997, Putnam Publishing Group, ISBN 0-698-11577-5. *Jim woke up early one morning to find a plant that was very like a beanstalk growing outside his window. Climbing to the top of the beanstalk, he found a castle and a giant, but with very modern problems that only Jim could help solve.*

Length by Henry Arthur Pluckrose, 1995, Children's Press, ISBN 0-516-45453-6. *Photographs and text introduce the concept of length and how to measure it.*

Measure It by Alan Trussell-Cullen, 2001, Dominic Press, Inc., ISBN 0-768-50551-8. *Explains the importance of using standard units of measurement.*

Measuring Penny by Loreen Leedy, 1997, Scholastic, ISBN 0-439-08328-1. *Penny uses standard and nonstandard units of measurement to complete a homework assignment.*

Pigs in the Pantry by Amy Axelrod, 1999, Aladdin Paperbacks, ISBN 0-689-82555-2. *A lively look at the concepts of measurement, featuring a family of pigs in the mood for cooking; this book also includes a recipe for vegetarian chili and a page of measurement facts.*

The Teeny Tiny Teacher by Stephanie Calmenson, 1998, Scholastic, ISBN 0-590-37123-1. *One teeny tiny morning, a teeny tiny teacher takes her teeny tiny class for a teeny tiny walk to the teeny tiny park. There she finds a teeny tiny bone. Little does she know that her discovery will create havoc in her classroom.*

Twelve Snails to One Lizard by Susan Hightower, 1997, Simon & Schuster, ISBN 0-689-80452f-0. *Bubba the bullfrog helps Milo the beaver build a dam by explaining to him the concepts of inches, feet, and yards.*

What's Up With That Cup? by Sheila Keenan, 2000, Scholastic, ISBN 0-439-09954-4. *While trying to make a piggy bank, a young girl learns the importance of using standard units of measurement.*

Shared Readings:

Excerpt: Inch by Inch by Leo Lionni, 1994, Morrow, William & Co., ISBN 0-688-13283-9. *Lionni introduces an inchworm who is proud of his ability to measure anything under the sun.*

Excerpt: Measure It by Alan Trussell-Cullen, 2001, Dominie Press, Inc., ISBN 0-768-50551-8. *Explains the importance of using standard units of measurement.*

Excerpt: Measuring Penny by Loreen Leedy, 1997, Scholastic, ISBN 0-439-08328-1. *Penny uses standard and nonstandard units of measurement to complete a homework assignment.*

Excerpt: Pigs in the Pantry by Amy Axelrod, 1999, Aladdin Paperbacks, ISBN 0-689-82555-2. *A lively look at the concepts of measurement, featuring a family of pigs in the mood for cooking, this book also includes a recipe for vegetarian chili and a page of measurement facts.*

Poem: 'One Inch Tall' by Shel Silverstein, in Where the Sidewalk Ends, 1974, HarperCollins Publishers, ISBN 06-025667.

Interactive Writing Ideas:

- Describe the importance of using a standard unit of measurement.
- Define various units of measurement and their uses (inch, foot, cup, gallon, etc.).
- Make a class book about measurement.

SECOND GRADE – MATH – MONEY

Read Alouds:

- Arthur's Funny Money by Lillian Hoban, 1984, Haper Collins, ISBN 0-064-44048-6.
When Violet has a numbers problem and Arthur is penniless, they go into business and solve both problems.
- Benny's Pennies by Pat Brisson, 1995, Bantan Doubleday, ISBN 0-440-4106-9. *Benny starts the day with five new pennies and is determined to spend them all on his family and pets*
- Bunny Money by Rosemary Wells, 2000, Penguin Putnam Books, ISBN 0-140-56750-X. *Max and Ruby are back and they run into nothing but troubles as they learn the value of money.*
- The Coin Counting Book by Rosanne Lanczak, 2001, Charlesbridge, ISBN 0-881-6326-6. *Great Introductory book for coin counting-life-size photos of Coins. Explanations of values in simple rhymes.*
- Coin Count-Y: A Bank in a Book by Jim Michael Talbot, 1999, Innovative Kids. *Children can fill up coin slots as they learn about coins and values. They complete a journey to Dollar Roundup.*
- Dollars and Centgs for Harriet by Betsy Maestro, 1991, Crown Books, ISBN 0-517-56958-2. *As Harriet attempts to earn \$5.00 for a new kite, the reader learns about the coins that add up to a dollar.*
- Four Dollars & Fifty Cents by Eric Kimmel, 1990, Holiday House, ISBN 0-823-41024-2. *To avoid paying the Widow Macrae the four dollars and fifty cents he owes her, cowboy Shorty Long plays dead and almost gets buried alive.*
- The Go-Around Dollar by Barbara Johnston Adams, 1992, Simon and Schuster, ISBN 0-027-00031-1. *Facts about dollar bills and paper currency accompany a story about the circuituous passage of a dollar bill.*
- How Much Is That Guinea Pig in the Window by Joanne Rocklin, 1995, Scholastic, ISBN 0-590-22716-5. *Mr. Day's fourth—grade class has a contest, recycling bottles and cans so that they will have enough money to buy a guinea pig.*
- How the Second Grade Got \$8,205,50 to Visit the Statue of Liberty by Nathan Zimelman, 1992, Albert Whitman, ISBN 0-807-53431-5. *Tells of the triumphs And setbacks of the second grade as they try a variety of schemes to raise Money for a trip to the Statue of Liberty.*
- Irene and the Big Fine Nickel by Irene Smalls, 1991, Little, Brown, and Co., ISBN 0-316-79898-3. *Relates the adventures of a young girl, living in Harlem in the 1950's, on the morning that she finds a nickel in the street.*
- Let's Find Out About Money by Kathy Barabas, 1997, Scholastic, ISBN 0-590-73803-8. *Text and photographs depict the process for making money, from ores to finished coins.*
- The Magic Money Box by Rozanne Lanczak, 1996, Creative Teaching, ISBN 1-574-71119-9.
- Monster Money by Grace Maccarone, 1998, Scholastic, ISBN 0-590-12007-7. *Ten monsters have ten cents a piece to buy a pet in this rhyming story that demonstrates how to count money.*

Monster Money Book by Loreen Leedy, 2000, Holiday House, Inc., ISBN 0-823-41558-9. *This story about a club and its budget introduces such things as dues, allowances, earning money, profit, etc.*

The Penny Pot by Stuart J. Murphy, 1998, Harper Collins, ISBN 0-064-46717-1. *The face painting booth at the school fair provides plenty of opportunities to count combinations of coins adding up to fifty.*

Pigs Will Be Pigs by Amy Axelrod, 1994, Scholastic, ISBN 0-590-13212-X. *The pigs are hungry, but there is no food in the house. They want to go out to eat. The problem is that they don't have enough money. They hunt for money all around the house and count up what they find.*

Quarter from the Tooth Fairy by Caren Holtzman, 1992, Albert Whitman, ISBN 0-590-26598-9. *A boy who gets a quarter from the tooth fairy sets out to spend it. Talks about coin combinations.*

Shared Reading:

Big Book: Alexander Who Used to be Rich Last Sunday by Judith Viorst, 1978, Atheneum MacMillan Publishing Co., ISBN 0-021-09112-9. *Alexander gets one dollar and misspends it.*

Big Book: A Chair for My Mother by Vera B. Williams, 1982, Scholastic, ISBN 0-590-72850-4. *Mother and daughter save change for a big stuffed chair.*

Big Book: 26 Letters and 99 Cents by Tana Hoban, 1987, Scholastic, ISBN 0-590-72897-0. *Counting money to 99 cents using different coins and combinations.*

Poem: 'Poem for Rent', Laugh-eteria by Douglas Florian, 1999, Puffin Books, ISBN 0-14-130990-3.

Poem: 'Smart', Where the Sidewalk Ends by Shel Silverstein, 1974, Harper Collins, ISBN 06-025667-2.

Poem: 'For Sale', Where the Sidewalk Ends by Shel Silverstein, 1974, Harper Collins, ISBN 06-025667-2.

Interactive Writing:

- Write about the value of each coin—draw the coins.
- Write a story problem about money.
- Write several combinations that equal one dollar.

SECOND GRADE – MATH – NUMERATION/NUMBER SENSE

Read Alouds:

Bears Odd Bears Even by Harriet Ziefert, 1997, Puffin Books, ISBN 0-14-038539-8.

Interactive book that shows even and odd amounts of different objects and asks questions along the way.

Betcha! by Stuart J. Murphy, 1997, Marper Collins, ISBN 0-590-03379-4. Betcha you can estimate. *Learn to estimate lots of things, from the cost of several toys to the number of cars stuck in a traffic jam.*

Butterfly Counting Book by Jerry Pallotta, 1998, Scholastic, ISBN 0-590-04938-0.

Introduces several different kinds of butterflies and how to say butterfly in different languages while counting them by twos using odd numbers.

The Doorbell Rang by Pat Hutchins, 1986, Scholastic, ISBN 0-590-41109-8. *Mom makes cookies and the kids figure out how to share them.*

Each Orange Had 8 Slices A Counting Book by Paul Giganti, Jr. 1992, Mulberry Paperback Book, ISBN 0-688-13985. *An illustrated introduction to counting and simple addition.*

The Grapes of Math by Greg Tang, 2001, Scholastic, ISBN 0-439-21040-2. *Mind-stretching math riddles.*

Henry the Fourth by Stuart H. Murphy, 1999, Harper Collins, ISBN 0-06-446719-8. *A simple story about four dogs at a dog show introduces the ordinal number first, second, third, fourth.*

Just Enough Carrots by Stuart J. Murphy, 1997, Harper Collins, ISBN 0-06-446711-2.

While a bunny and his mother shop in a grocery store for lunch guests, the reader may count and compare the amounts of carrots, peanuts, and worms in the grocery carts of other shoppers.

Math Curse by Jon Scieszka, 1995, Penguin Books, ISBN 0-670-86194-4 *When the teacher tells her class that they can think of almost everything as a math problem, one student acquires a math anxiety which becomes a real curse.*

Numbers Counting It Up by Mi8chele Koomen 2001 Bridgestone Books, ISBN 0-7368-0818-3.

Starting Off With Counting by Peter Patilla, 2000, Barron's, ISBN 0-7641-1657-6. *This book develops early concepts of counting and introduces words and ideas that relate to counting.*

Take Off With Numbers by Sally Hewitt, 1996, Raintree Steck-Vaughn, ISBN 0-8172-4116-7. *Brief chapters about counting, counting in groups, ordering, ordinals, patterns, comparing, adding, subtracting, and dividing.*

Underwater Counting by Jerry Pallotta, 2001, Charlesbridge ISBN 0-88106-800-4.

Introduces several underwater animals while counting them by even numbers.

Shared Readings:

Poem: 'Ants in Pairs' by Betsy Franco in Counting Caterpillars and Other Math Poems 1998, Scholastic, ISBN 0-590-64210-3.

Poem: 'Bushy-Tailed Mathematicians' by Betsy Franco in Counting Caterpillars and Other Math Poems 1998, Scholastic, ISBN 0-590-64210-3.

- Poem: 'Sharing a Room' by Betsy Franco in Counting Caterpillars and Other Math Poems 1998, Scholastic, ISBN 0-590-64210-3.
- Rhymes: 'Evens and Odds' in Math Songs and Rhymes Scott Foresman-Addison Wesley ISBN 0-201-31383-9. *Comes with cassette tape* (May be with supplemental math materials for the Scott Foreman program)
- Song: 'Count on by Tens' in Math Songs and Rhymes Scott Foresman-Addison Wesley ISBN 0-201-31383-9. *Comes with cassette tape* (May be with supplemental math materials for the Scott Foreman program)
- Song: 'Hundreds, Tens, Ones' in Math Songs and Rhymes Scott Foresman-Addison Wesley ISBN 0-201-31383-9. *Comes with cassette tape* (May be with supplemental math materials for the Scott Foreman program)
- Song: 'Row, Row, Row Your Boat' in Math Songs and Rhymes Scott Foresman-Addison Wesley ISBN 0-201-31383-9 *Comes with cassette tape* (May be with supplemental math materials for the Scott Foreman program)
- Song: 'Skip Count' in Math Songs and Rhymes Scott Foresman-Addison Wesley ISBN 0-201-31383-9. *Comes with cassette tape* (May be with supplemental math materials for the Scott Foreman program)
- Song: 'Tens and Ones' in Math Songs and Rhymes Scott Foresman-Addison Wesley ISBN 0-201-31383-9. *Comes with cassette tape* (May be with supplemental math materials for the Scott Foreman program)
- Other Resources: Adding Alligators and Other Easy to Read Math Stories by Betsy Franco, 2001, Scholastic, ISBN0-439-24984-8 25. *Engaging, reproducible stories with math problems that build early math skills and meet the new NCTM standards.*

Interactive Writing:

- Define odd and even numbers.
- Write several class counting books. Use different counting patterns.
- Write the class schedule using ordinals.

SECOND GRADE – MATH – OPERATIONS

Read Alouds:

Addition Annie by David Gisler, 1991, Childrens Press ISBN 0-516-02007-2. *Annie counts everything around her, from trees to little peas.*

Animals on Board by Stuart J. Murphy, 1998, HarperCollins ISBN 0-06-446716-3.

While driving her truck which carries a very special load, Jill counts and then adds the number of animals that she sees on other trucks as she pass her on the road.

Anno's Magic Seeds by Mitsumasa Anno, 1995, Philomel Books, ISBN 0-399-22538-2.

Anno successfully combines the issue of conservation of resources with arithmetrical games in a charming story about some magical golden seeds.

512 Ants on Sullivan Street by Carol A. Losi, 1997, Scholastic, ISBN 0-590-30876-9.

The number of ants doubles each time they take a new treat from a picnic lunch.

Bunches and Bunches of Bunnies, by Louise Mathews, 1978, Scholastic, ISBN 0-590-43268-0. *Counting book shows that multiplication is repeated addition.*

Candy Counting by Lisa McCourt, 1999, Bridgewater, ISBN 0816763305. *Presents addition and subtraction story problems involving lollipops, taffy, gumballs, peppermints, fudge and other types of candy.*

100 Days of School by Trudy Harris, 1999, The Millbrook Press, ISBN 0-7613-1271-4.

A series of rhymes illustrates different ways to count to 100 such as by adding the ten toes of ten children or ninety-nine train cars plus one caboose.

DOMINO Addition by Lynette Long, 1996, Charlesbridge, ISBN 0-88106-877-2.

Explains basic addition through the use of dominoes.

Elevator Magic by Stuart J. Murphy, 1997, ISBN 0-06-446709-0. *Explains the concept of subtraction through a rhyming text about a descending elevator.*

A Fair Bear Share by Stuart J. Murphy, 1998, Harper and Collins, ISBN 0-06-027439-5.

Four bear cubs collect ingredients for a blueberry pie, counting and recounting them as their supply grows. Regrouping/Addition

Funny Fairy Tale Math by Betsy Franco, 2001, Scholastic, ISBN 0-439-22726-7.

Reproducible stories with companion word problems that build essential math skills and meet the new NCTM standards.

Get Up and Go! by Stuart J. Murphy, 1996, Harper Collins, ISBN 0-06-446704-X.

Explains through the use of rhyme the concepts of time lines and addition as a girl gets ready for school with the help of her smart dog.

Max's Money by Teddy Slater, 1998, Scholastic, ISBN 0-590-12010-7. *Max finds out about adding and subtracting different amounts of money as he tries to borrow and earn enough to buy a birthday present for his mother.*

Mission Addition by Loreen Leedy, 1997, Holiday House, ISBN 0-8234-1307-1. *Miss Prime and her animal students explore addition by finding many examples in the world around them.*

More m&m's Math by Barbara Barbieri McGrath, 1998, Charlesbridge, ISBN 0-88106-994-9.

One Hundred Hungry Ants by Elinor J. Pinczes, 1993, Scholastic, ISBN 0-590-67298-3.
One hundred ants try to get to a picnic by arranging themselves in different groups to try and get there more quickly.

Ready, Set, Hop! By Stuart J. Murphy, 1996, HarperCollins, ISBN 0-06-446702-3.
Explains equation building as two frogs count their hops to a rock, a log, and a pond.

Sea Sums by Joy N. Hulme, 1996, Hyperion Books for Children. *Splash into the warm shallows of an ocean coral reef, where addition and subtraction are a special treat—and where a whole host of brightly colored sea creatures are just waiting to be counted.*

Shark Swimathon by Stuart J. Murphy, 2001, Harper Collins, ISBN 0-06-446735-X. *As members of a swim team do laps to qualify for swim camp, readers can practice subtracting two-digit numbers to see how many laps are left to go.*
Regrouping/Subtraction

Starting Off With Addition And Subtraction by Peter Patilla 2000, Barron's ISBN 0-7641-1658-4. *Introduces key words and ideas that children will meet in their early years of school. Good math vocabulary.*

Two of Everything by Lily Toy Hong, 1993, Whitman ISBN 0-8075-8157-7. *A poor old Chinese farmer finds a magic brass pot that doubles or duplicates whatever is placed inside it, but his efforts to make himself wealthy lead to unexpected complications. Good for introducing doubles.*

12 Ways to Get to 11 by Eve Merriam, 1993, Simon & Schuster, ISBN 0-671-75544-7.
Various combinations of items can be added to reach 11.

Shared Readings:

Poem: 'Counting Caterpillars' by Betsy Franco, in Counting Caterpillars and Other Math Poems 1998, Scholastic, ISBN 0-590-64210-3. *Counting backward, one less.*

Poem: 'Gardening with Snails' by Betsy Franco, in Counting Caterpillars and Other Math Poems 1998, Scholastic, ISBN 0-590-64210-3. *Pre-Multiplication.*

Poem: 'Ten-Spotted Bugs' by Betsy Franco, in Counting Caterpillars and Other Math Poems 1998, Scholastic, ISBN 0-590-64210-3. *Sums of Ten.*

Rhyme: 'Toucans Two' by Jack Prelutsky in Math Songs and Rhymes Scott Foresman-Addison Wesley, ISBN 0-201-31383-9. *Comes with cassette tape* (May be with supplemental math materials for the Scott Foreman program)

Rhyme: 'Ten More, Ten Less, in Math Songs and Rhymes Scott Foresman-Addison Wesley, ISBN 0-201-31383-9. *Comes with cassette tape* (May be with supplemental math materials for the Scott Foreman program)

Song: 'Baa, Baa Black Sheep' in Math Songs and Rhymes Scott Foresman-Addison Wesley, ISBN 0-201-31383-9. *Comes with cassette tape* (May be with supplemental math materials for the Scott Foreman program)

Song: 'Hot Cross Buns' in Math Songs and Rhymes Scott Foresman-Addison Wesley, ISBN 0-201-31383-9. *Comes with cassette tape* (May be with supplemental math materials for the Scott Foreman program)

Song: 'Regroup to Add' in Math Songs and Rhymes Scott Foresman-Addison Wesley, ISBN 0-201-31383-9. *Comes with cassette tape* (May be with supplemental math materials for the Scott Foreman program)

Song: 'Subtraction' in Math Songs and Rhymes Scott Foresman-Addison Wesley, ISBN 0-201-31383-9. *Comes with cassette tape* (May be with supplemental math materials for the Scott Foreman program)

Song: 'Ten in the Bed' in Math Songs and Rhymes Scott Foresman-Addison Wesley, ISBN 0-201-31383-9. *Comes with cassette tape* (May be with supplemental math materials for the Scott Foreman program)

Song: 'The Wheels on the Bus in Math Songs and Rhymes Scott Foresman-Addison Wesley, ISBN 0-201-31383-9. *Comes with cassette tape* (May be with supplemental math materials for the Scott Foreman program)

Song: 'Turnaround Facts' in Math Songs and Rhymes Scott Foresman-Addison Wesley, ISBN 0-201-31383-9. *Comes with cassette tape* (May be with supplemental math materials for the Scott Foreman program)

Song: 'You Are My Zero' in Math Songs and Rhymes Scott Foresman-Addison Wesley, ISBN 0-201-31383-9. *Comes with cassette tape* (May be with supplemental math materials for the Scott Foreman program)

Excerpts: 100 Days of School. (see reference in Read Aloud section)

Excerpts: Definitions from Mission Addition and Starting off with Adding and Subtracting. (see read aloud)

Word problems from Counting Candy (see reference in Read Aloud section above)

Other Resources: Adding Alligators and Other Easy to Read Math Stories by Betsy Franco, 2001, Scholastic, ISBN0-439-24984-8 25. *Engaging, reproducible stories with math problems that build early math skills and meet the new NCTM standards.*

Interactive Writing:

- Label addition and subtraction problems using words such as sum, addend, difference, etc.
- Write key words to look for in word problems to decide what operation to use.
- Steps for solving addition and subtraction problems with or without regrouping.
- Write the definitions of the strategies used for addition and subtraction basic facts—i.e. turnaround, double, double plus one, make ten, count on and count back.

SECOND GRADE – MATH – TIME

Read Alouds:

- Clocks and More Clocks by Pat Hutchins, 1970, Scholastic, ISBN 0-590-22728-9. *Mr. Higgins finds a clock in his attic and buys other clocks to see if the clock in the attic tells the correct time. (Located in grade 2 D. C. Heath anthology, Cats Sleep Anywhere.)*
- Forgetful Ted by Fiona Conboym, 1997, Barron's Educational Series, ISBN 0-764-150324. *Forgetful Ted, a bear who is always late for everything, finds it easier to be punctual when he gets his own alarm clock and learns to tell time.*
- The Grouchy Ladybug by Eric Carle, 1977, Scholastic, ISBN 0-590-72966-7. *Shows the hours of the day on the clock as the ladybug travels about.*
- It's About Time! by Lee Bennett Hopkins, 1993, Simon & Schuster, ISBN 0-671-78512-5. *Sixteen poems by a variety of American poets reflecting thoughts about time.*
- It's About Time, Jesse Bear and Other Rhymes by Nancy White Carlstrom, 1998, Simon & Schuster, ISBN 0-689-81849-1. *From early morning reveille in his parents' bedroom until lights are turned out at night, the energetic rhymes and rhythms of childhood animate Jesse Bear's day.*
- Just a Minute! by Teddy Slater, 1996, Scholastic, ISBN 0-590-54082-3. *A young boy learns how important it is to know just how long a minute is.*
- Me Counting Time by Joan Sweeney, 2001, Bantam Doubleday Dell Books, ISBN 0-440-41751-1. *Describes the relationship between a second, minute, hour, day, week, month, year, decade, century and millennium as measurements of time.*
- Pepper's Journal by Stuart J. Murphy, 2000, HarperCollins, ISBN 0-06-446723-6. *As Lisa keeps track of her kitten's exciting first year in a journal, readers will learn the concept of calendar time—days, weeks, months, and years.*
- Starting off with Time by Peter Patilla, 2001, Barron's Educational Series, Inc., ISBN 0-7641-1660-6. *Provides an introduction to the different aspects of time.*
- Telling Time by Jules Older, 2000, Charlesbridge Publishing, Inc., ISBN 0-881-06397-5. *Humorous text explains the concept of time, from seconds to hours on both analog and digital clocks, from years to millennia on the calendar.*
- 10 Minutes till Bedtime by Peggy Rathmann, 1998, Putnam Publishing Group, ISBN 0-399-23103-X. *A boy's hamster leads an increasingly large group of hamsters on a tour of the boy's house, while his father counts down the minutes to bedtime.*
- The Time Song by Rozanne Lanczak Williams, 1995, Creative Teaching Press, ISBN 1-574-71004-4.
- TICK – TOCK by Lena Anderson, 1998, Farrar, Straus & Giroux, Incorporated, ISBN 9-129-64074-1. *Clocks play a prominent role in the busy day that a hedgehog, duck, elephant, and pig spend with their friend Will.*
- What Time Is It? A Book of Math Riddles by Sheila Keenan, 1999, Scholastic, ISBN 0-590-12008-5. *Illustrations and rhyming questions and answers demonstrate how to tell time.*
- What Time Is It, Mr. Wolf? by Colin Hawkins, 1983, Penguin Putnam Books, ISBN 0-399-20959-X. *Mr. Wolf's busy schedule helps the reader to tell the time.*

The Wonderful Counting Clock by Cooper Edens, 1995, Simon & Schuster, ISBN 0-671-88334-8. *The magical clock that rises above Numbertown has doors which open at various times during the day, and amazing things happen— the harlequin presents one dazzling sub, the ballerina sets two colorful cockatoos free, and so on, until the entire cast of characters is revealed at the stroke of midnight.*

Shared Readings:

Big Book: Brendan's Best Timed Birthday by Deborah Gould, 1988, Bradbury Press,- MacMillan , Inc., ISBN 0-590-72966-7. *Brendan gets a watch for his birthday- various times told and how long each activity takes.*

Big Book: Chicken Soup With Rice: A Book Of Months by Maurice Sendak, 1962, Scholastic, ISBN 0-590-71789-8. *Tells why each month is nice for chicken soup with rice.*

Big Book: Cookie's Week by Cindy Ward, 1988, Scholastic, ISBN 0-590-72700-1. *Cookie the cat gets into a different kind of mischief every day of the week.*

Big Book: The Grouchy Ladybug by Eric Carle, 1977, Scholastic, ISBN 0-590-72966-7. *Shows the hours of the day on the clock as the ladybug travels about.*

Poem: 'Do You Have the Time?' by Jenny Whitehead, in Lunch Box Mail, 2001, Henry Holt and Company, ISBN 0-8050-6259-9.

Interactive Writing Ideas:

- Describe the minute and hour hand and how it counts around the clock.
- Make a class book that describes what time children do things throughout the day.
- Define half-past, quarter after and quarter to.
- Create a timeline of a day's activities by interactively writing labels for student illustrations.

