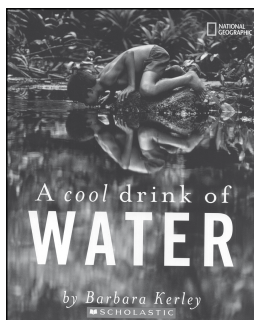


Grade Two Science Library Guide

Suggested reading approaches include Read Aloud, Shared Reading (with a small group when the text is large enough for students to see clearly), and Independent Reading.

Note:

Once the Science Library books have been read aloud or shared, you may choose to place them at the Reading Centre for students to use for Independent Reading or research. Guided Reading levels have been included where possible.



A Cool Drink of Water

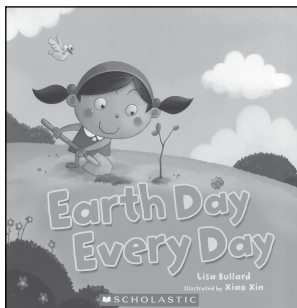
by Barbara Kerley

Vivid photographs and poetic text show how people in various cultures all around the world are unified by their common need for water.

Science Connections:

- how water is used, obtained, and distributed

Suggested Reading Approach: Shared Reading, Independent Reading, back matter – Read Aloud (Level F)



Earth Day Every Day

by Lisa Bullard; illustrated by Xiao Xin

One girl spurs her family, friends, school, and community to plan to do something helpful for the Earth on Earth Day.

Science Connections:

- protecting and improving the quality of air and water in the environment

Suggested Reading Approach: Independent Reading (Level K)



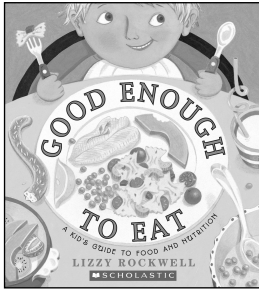
Explore! Magazine: Water

This magazine presents a variety of articles, a poem, and a mystery story to help readers explore issues around the topic of water.

Science Connections:

- scientific terminology
- states of water
- how water is used, obtained, and distributed
- protecting and improving the quality of water in the environment

Suggested Reading Approach: Read Aloud



Good Enough to Eat: A Kid's Guide to Food and Nutrition

by Lizzy Rockwell

A guide to nutrition and healthy eating, written especially for kids.

Science Connections:

- moisture in living things

Suggested Reading Approach: Read Aloud (Level O)



I Am Water

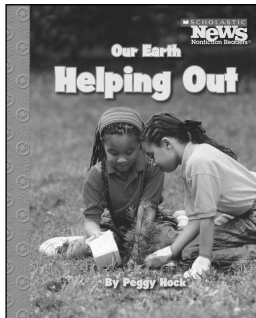
by Jean Marzollo; illustrated by Judith Moffatt

Simple text and colourful cut-paper illustrations share the different forms and many uses of water in our lives.

Science Connections:

- how water is used
- states of water

Suggested Reading Approach: Independent Reading (Level E)



Our Earth: Helping Out

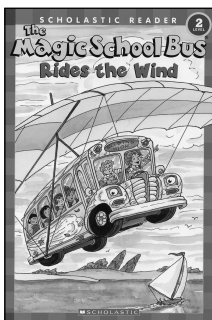
by Peggy Hock

This book offers suggestions for helping the Earth and explains why these actions are important to all of us.

Science Connections:

- protecting and improving the quality of air and water in the environment

Suggested Reading Approach: Independent Reading (Level K)



The Magic School Bus Rides the Wind

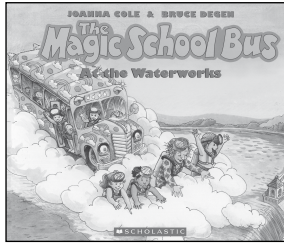
by Anne Capeci; illustrated by Carolyn Bracken (based on the books by Joanna Cole and Bruce Degen)

Ms. Frizzle takes the students in her class on a magic school bus ride to learn all about wind.

Science Connections:

- scientific terminology
- properties of air
- changes in air conditions
- tools to measure air conditions

Suggested Reading Approach: Read Aloud, Independent Reading (Level K)



The Magic School Bus At the Waterworks

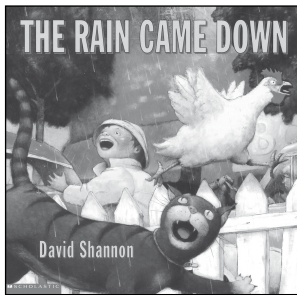
by Joanna Cole; illustrated by Bruce Degen

Learn about one possible water purification process with Ms. Frizzles' class trip to the waterworks.

Science Connections:

- scientific terminology
- moisture in living things
- states of water and changes from one state to another
- changes in the location, amount, and form of moisture
- how water is obtained and distributed
- conserving water

Suggested Reading Approach: Read Aloud (Level P)



The Rain Came Down

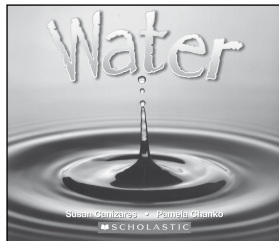
by David Shannon

An unexpected rain shower begins a chain of events that grow continuously more chaotic until the rain stops and the sun comes out to brighten everyone's mood.

Science Connections:

- changes in air conditions

Suggested Reading Approach: Independent Reading (Level J)



Water

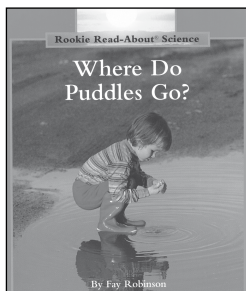
by Susan Canizares and Pamela Chanko

Photographs and simple text describe some of the many forms of water in the environment.

Science Connections:

- states of water
- how water is used

Suggested Reading Approach: Independent Reading; back matter – Read Aloud (Level B)



Where Do Puddles Go?

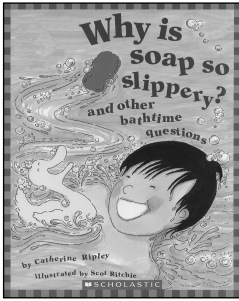
by Fay Robinson

A simple explanation of evaporation and condensation are provided.

Science Connections:

- scientific terminology
- states of water and changes from one state to another
- evidence of moisture in the environment
- changes in the location, amount, and form of moisture

Suggested Reading Approach: Independent Reading (Level J)



Why Is Soap So Slippery?

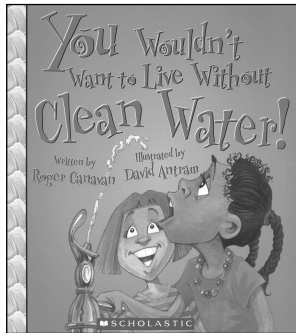
by Catherine Ripley; illustrated by Scot Ritchie

This book of bathtime science provides satisfying answers to a variety of everyday mysteries.

Science Connections:

- scientific terminology
- states of water and changes from one state to another
- evidence of moisture in the environment
- how water is used and distributed

Suggested Reading Approach: Read Aloud (Level O)



You Wouldn't Want to Live Without Clean Water!

by Roger Canavan; illustrated by David Antram

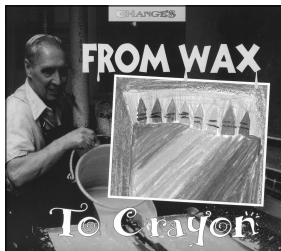
A fun and informative book that presents current and historical facts about the world's common need for clean water.

Science Connections:

- scientific terminology
- states of water and changes from one state to another
- evidence of moisture in the environment, in materials, and in living things
- changes in the amount and form of moisture, and conditions that affect these changes
- how water is used, obtained, and distributed
- ways to protect and improve the quality of water in the environment

Suggested Reading Approach: Read Aloud

Unit 2: Liquids and Solids



From Wax to Crayon

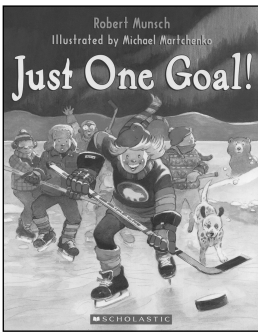
by Michael H. Forman

The process of combining liquids and solids to create crayons is explored in this photo essay.

Science Connections:

- identifying liquids and solids
- interactions of liquids and solids, and resulting changes in characteristics
- combining liquids and solids to make useful materials

Suggested Reading Approach: Read Aloud, Independent Reading (Level M)



Just One Goal!

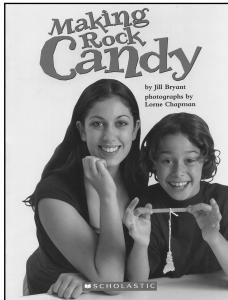
by Robert Munsch; illustrated by Michael Martchenko

Clara overcomes all the obstacles to create a skating rink on the frozen river in her backyard, and to give her hockey team, the River Rink Rats, a chance to win in their final game of the season.

Science Connections:

- properties of liquids and solids
- floating and sinking

Suggested Reading Approach: Read Aloud



Making Rock Candy

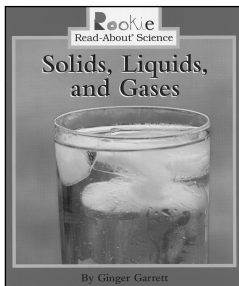
by Jill Bryant; photographed by Lorne Chapman

Learn to make rock candy, and watch it grow!

Science Connections:

- interaction of liquids and solids, and resulting changes in characteristics
- combining liquids and solids to make useful materials

Suggested Reading Approach: Independent Reading (Level G)



Solids, Liquids, and Gases

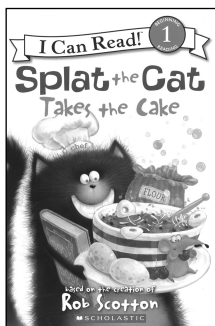
by Ginger Garrett

Using colourful photos and simple text, this book introduces the different forms of matter (solids, liquids, and gases).

Science Connections:

- scientific terminology
- identifying liquids and solids
- properties of liquids and solids

Suggested Reading Approach: Independent Reading (Level F)



Splat the Cat Takes the Cake

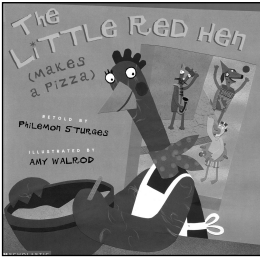
by Amy Hsu Lin; illustrated by Rob Scotton and Robert Eberz (based on the books by Rob Scotton)

Can Splat the Cat bake a cake that's super enough to win him a new TV in the cake-baking contest?

Science Connections:

- interactions of liquids and solids
- combining liquids and solids to make useful materials with a change of properties

Suggested Reading Approach: Independent Reading



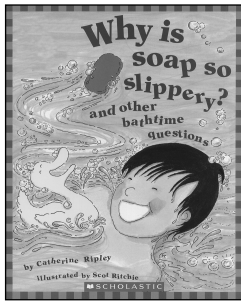
The Little Red Hen (Makes a Pizza)

It's a new twist on a classic tale when the Little Red Hen decides to make a pizza.

Science Connections:

- interactions of liquids and solids, and resulting changes in characteristics
- using liquids and solids to make useful materials with a change of properties

Suggested Reading Approach: Read Aloud, Independent Reading (Level M)



Why Is Soap So Slippery?

by Catherine Ripley; illustrated by Scot Ritchie

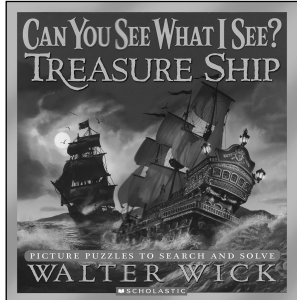
This book of bathtime science provides satisfying answers to a variety of everyday mysteries.

Science Connections:

- interactions of liquids and solids, and resulting changes in characteristics
- applying knowledge of liquids and solids to maintain a clean and healthy environment

Suggested Reading Approach: Read Aloud (Level O)

Unit 3: Relative Position and Motion



Can You See What I See? Treasure Ship

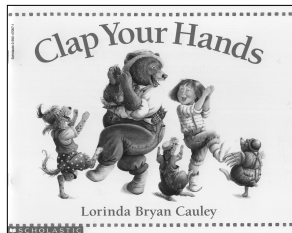
by Walter Wick

Rhyming riddles challenge the reader to find numerous objects hidden within each beautiful photograph.

Science Connections:

- scientific terminology (positional vocabulary)
- position of an object relative to other positions or stationary objects

Suggested Reading Approach: Independent Reading (Level K)



Clap Your Hands

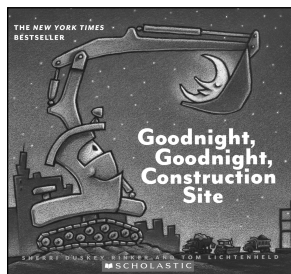
by Lorinda Bryan Cauley

Engaging artwork illustrates a variety of actions described by the rhyming couplets.

Science Connections:

- people and animals move in various ways
- patterns of movement

Suggested Reading Approach: Read Aloud, Independent Reading (Level H)



Goodnight, Goodnight, Construction Site

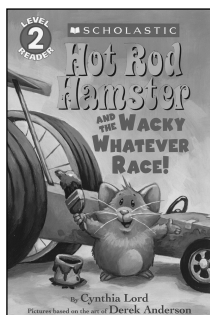
by Sherri Duskey Rinker and Tom Lichtenheld

All the hardworking trucks at the construction site gradually slow down to rest for the night.

Science Connections:

- patterns of movement
- position of an object relative to other positions or stationary objects
- position of objects from different perspectives

Suggested Reading Approach: Read Aloud, Independent Reading (Level K)



Hot Rod Hamster and the Wacky Whatever Race!

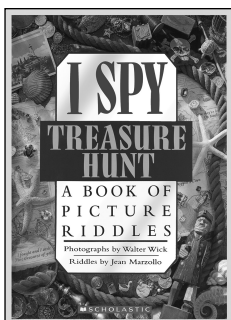
by Cynthia Lord; illustrated by Derek Anderson and Greg Paprocki

It's an adventure for Hot Rod Hamster when he sets out to build and race his own superfast car made from a simple box and four wheels.

Science Connections:

- patterns of movement
- forces of push and pull make objects move

Suggested Reading Approach: Read Aloud, Independent Reading (Level L)



I Spy Treasure Hunt: A Book of Picture Riddles

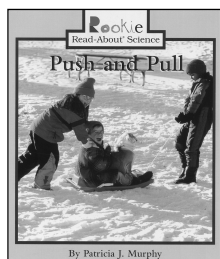
by Jean Marzollo; photographed by Walter Wick

This picture puzzle book uses rhyming riddles to present hide-and-seek challenges that send readers searching through the photographs to find hidden objects.

Science Connections:

- scientific terminology (positional vocabulary)
- position of an object relative to other positions or stationary objects

Suggested Reading Approach: Independent Reading (Level K)



Push and Pull

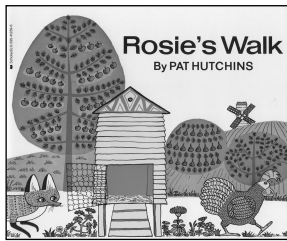
by Patricia J. Murphy

Readers learn how the forces of “push” and “pull” affect the movement of different objects.

Science Connections:

- scientific terminology
- forces of push and pull make objects move
- factors that affect movement (friction)

Suggested Reading Approach: Independent Reading (Level G)



Rosie's Walk

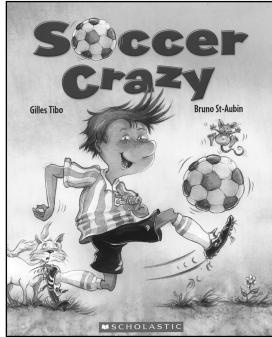
by Pat Hutchins

Rosie takes a quiet walk, unaware of fox's troubles as he tries to follow.

Science Connections:

- scientific terminology (positional vocabulary)
- position of an object relative to other positions or stationary objects
- change in position relative to other objects

Suggested Reading Approach: Shared Reading, Independent Reading (Level E)



Soccer Crazy

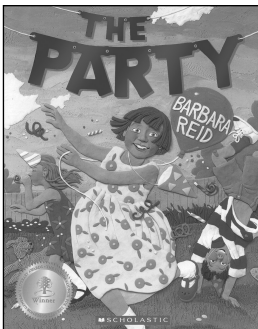
by Gilles Tibo; illustrated by Bruno St-Aubin

Nicholas is practising his soccer moves all over the house and in the yard... and it's driving everyone crazy!

Science Connections:

- patterns of movement
- position of an object relative to other positions or stationary objects

Suggested Reading Approach: Read Aloud



The Party

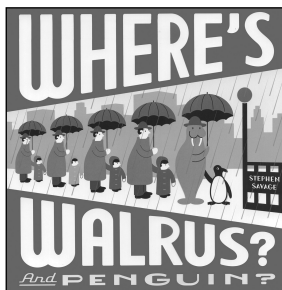
by Barbara Reid

Colourful Plasticine pictures capture all the fun of boisterous games with the cousins at a family party.

Science Connections:

- people move in various ways
- patterns of movement
- position of an object relative to other positions or stationary objects

Suggested Reading Approach: Read Aloud



Where's Walrus? And Penguin?

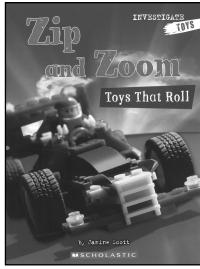
by Stephen Savage

Will the zookeeper find Walrus and his pal, Penguin, when they escape from the zoo in this wordless picture book?

Science Connections:

- position of an object relative to other positions or stationary objects

Suggested Reading Approach: Read Aloud, Shared Reading, Independent Reading



Zip and Zoom: Toys That Roll

by Janine Scott

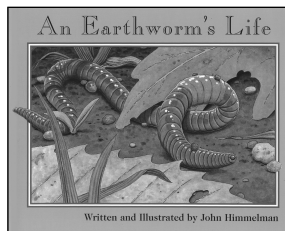
This book introduces a variety of toys that roll and explores the pushes or pulls that are needed to make some toys move.

Science Connections:

- scientific terminology
- patterns of movement
- forces of push and pull make objects move
- position of an object relative to other positions or stationary objects
- technologies make movement easier on different surfaces
- factors that affect movement

Suggested Reading Approach: Read Aloud, Independent Reading

Unit 4: Animal Growth and Changes



An Earthworm's Life

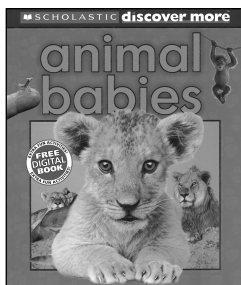
by John Himmelman

Clear illustrations and simple text describe the life cycle of an earthworm.

Science Connections:

- scientific terminology
- life cycle
- changes in appearance and activity of an animal during its life cycle

Suggested Reading Approach: Independent Reading (Level K)



Animal Babies

by Andrea Pinnington and Tory Gordon-Harris

Excellent photographs and engaging facts allow readers to discover how newborn animals grow and change.

Science Connections:

- scientific terminology
- life cycles
- names of baby animals
- changes in appearance and activity of an animal during its life cycle
- needs of animals and how their environment impacts health and growth
- constant traits and changing traits in animals as they grow and develop

Suggested Reading Approach: Independent Reading (Level J)



From Tadpole to Frog

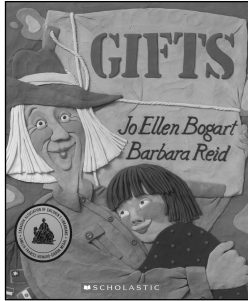
by Kathleen Weidner Zoehfeld

Readers can see how a tiny tadpole grows into an adult frog in this book full of informative facts and photographs.

Science Connections:

- scientific terminology
- life cycle
- changes in appearance and activity of an animal during its life cycle
- constant traits and changing traits in animals as they grow and develop

Suggested Reading Approach: Independent Reading (Level J)



Gifts

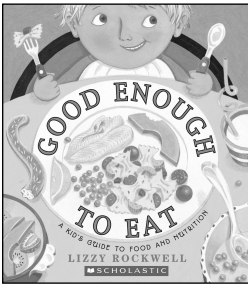
by JoEllen Bogart; illustrated by Barbara Reid

As she grows up, a little girl's grandmother travels the world and brings her back the gifts of love and respect for different countries and cultures.

Science Connections:

- life cycle (in images)
- changes in appearance and activity of a human during its life cycle
- constant traits and changing traits in humans as they grow and develop
- changes in humans as they grow and develop

Suggested Reading Approach: Read Aloud



Good Enough to Eat: A Kid's Guide to Food and Nutrition

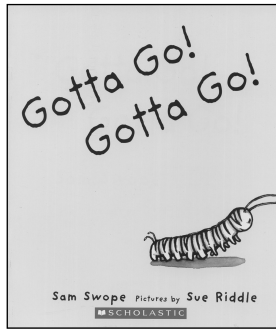
by Lizzy Rockwell

A guide to nutrition and healthy eating, written especially for kids.

Science Connections:

- food choices and eating habits influence human growth and development
- importance of drinking water
- basic food groups as healthy sources of nutrition
- recognizing healthy and unhealthy foods
- actions and decisions that support a healthy lifestyle

Suggested Reading Approach: Read Aloud (Level O)



Gotta Go! Gotta Go!

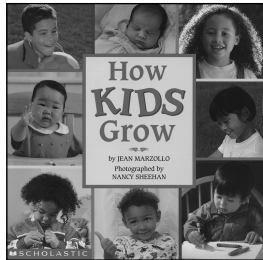
by Sam Swope; illustrated by Sue Riddle

Simple text and illustrations describe the life cycle of the Monarch butterfly, highlighting their autumn migration from Canada and the United States to Mexico, where they mate before flying north in the spring to lay their eggs.

Science Connections:

- life cycle
- changes in appearance and activity of an animal during its life cycle

Suggested Reading Approach: Read Aloud, Independent Reading (Level K)



How Kids Grow

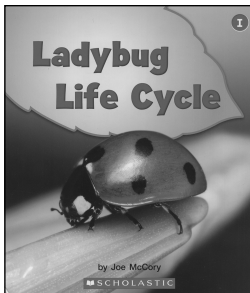
by Jean Marzollo; photographed by Nancy Sheehan

Photographs show how children grow and change through the years from tiny babies to seven-year-olds.

Science Connection:

- scientific terminology
- changes in humans as they grow and develop

Suggested Reading Approach: Read Aloud, Independent Reading (Level K)



Ladybug Life Cycle

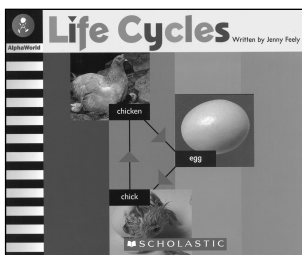
by Joe McCarty

Readers learn about the life cycle of a ladybug, including the complete metamorphosis from larva to adult ladybug.

Science Connections:

- life cycle
- changes in appearance and activity of an animal during its life cycle

Suggested Reading Approach: Independent Reading (Level I)



Life Cycles

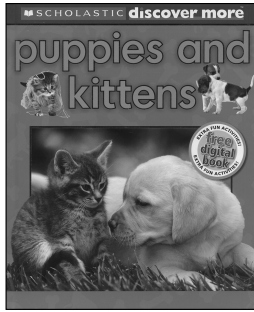
by Jenny Feely

Photographs, diagrams, and simple text explore and compare the life cycles of four different animals.

Science Connections:

- comparing the stages of animal life cycles
- changes in appearance and activity of an animal during its life cycle
- constant traits and changing traits in animals as they grow and develop

Suggested Reading Approach: Independent Reading (Level G)



Puppies and Kittens

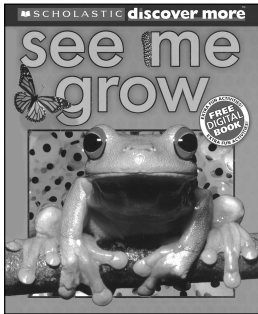
by Penelope Arlon and Tory Gordon-Harris

This book is packed with adorable photographs and facts about everyone's favourite pets.

Science Connections:

- scientific terminology
- changes in appearance and activity of an animal during its life cycle

Suggested Reading Approach: Independent Reading (Level J)



See Me Grow

by Penelope Arlon and Tory Gordon-Harris

This book presents the life cycles of a variety of newborn animals as they grow up from babies to adults.

Science Connections:

- scientific classifications of animals
- life cycles
- names of baby animals
- changes in appearance and activity of an animal during its life cycle

Suggested Reading Approach: Independent Reading (Level K)