

Resource List

Association of Children's Museums Interactivity 2016
Nature Maker Spaces: Engaging with Outdoor Loose Parts

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Books for Children:

10 Things I Can Do to Help My World Melanie Walsh, Candlewick Press
A Book Depicting the Life of Charles Darwin, Naturalist, Geologist & Thinker Peter Sis, Farrar Straus Giroux
A Cold Day Lola M. Schaefer, Capstone Press
Acorn to Oak Tree Alexandra Koken, ed., QEB Publishing
A Rainy Day Lola M. Schaefer, Capstone Press
A Snowy Day Lola M. Schaefer, Capstone Press
A Sunny Day Lola M. Schaefer, Capstone Press
Dinosaur Dig Penny Dale, Nosy Crow
Everybody Needs a Rock. Baylor, Byrd and Peter Parnall. Scribner's Sons
Feathers for Lunch Lois Ehlert, HMH Books for Young Readers
How a Seed Grows Helene J. Jordan, Harper Trophy
I Love Our Earth Bill Martin, Jr., Michael Sampson, Charlesbridge
In the Garden Leslie Bockol, innovativeKids
Leaf Man Lois Ehlert, Harcourt
Michael Recycle Meets Litterbug Doug Ellie Bethel, iDW/Jonas Publishing/Worthwhile Books
Mighty Tree Dick Gackenbach, Voyager Books
My Pet Rock, Greg Granite Jerry Brotzge, Tate Publishing
Once There Was a Tree Natalia Romanova, Puffin Books
Our Community Garden Barbara Pollak, Beyond Words Publishing
Planting a Rainbow Lois Ehlert, Harcourt
Plantzilla Jerdine Nolen, Voyager Books
Rocks in His Head Carol Otis Hurst, Greenwillow
Rocks! Rocks! Rocks! Nancy Elizabeth Wallace, Scholastic
The Animal Book Steve Jenkins, HMH Books for Young Readers
The Art Box Gail Gibbons, Holiday House
The Building Book Sue Tarsky, illustrated by Alex Ayliffe, Houghton Mifflin
The Tiny Seed Eric Carle, Scholastic
The Way Things Work David Macaulay
Tops and Bottoms Janet Stevens, Harcourt
Verdi Janell Cannon, HMH Books for Young Readers
Whose Garden Is It? Mary Ann Hoberman, Harcourt
Who Will Plant a Tree? Jerry Pallotta, Sleeping Bear Press
Wild Fibonacci: Nature's Secret Code Revealed Joy N. Hulme, Tricycle Press

Children's Nature Guides:

Eyewitness Explorers: Trees Linda Gamlin, DK Children
The City Kid's Field Guide Ethan Herberman, Silver Burdett
Urban Roosts Where Birds Nest in the City Barbara Bash, Little, Brown Books for Young Readers

Books for Adults and Curriculum Development:

101 Kid-Friendly Plants: Fun Plants and Family Garden Projects Cindy Krezel, Ball Publishing

Access Nature Bethel Gilbert Almeras & David Heath, National Wildlife Federation

Botany on Your Plate: Investigating the Plants We Eat Katharine D. Barrett, Jennifer M. White & Christine Manoux, National Gardening Association

Children Learning about Biodiversity at an Environment Centre, a Museum and at Live Animal Shows Kimble, G. *Studies in Educational Evaluation* 4 (2013): 48-57

This article shows how different situations foster different types of learning. A great launching point for observation-based activities.

Design Thinking for Educators Handbook

(download from IDEO website www.designthinkingforeducators.com)

Discovering the Naturalist Intelligence: Science in the School Yard Jenna Glock, Susan Wertz & Maggie Meyer, Zephyr Press

Early Sprouts: Cultivating Healthy Food Choices in Young Children Karrie Kalich, Dottie Bauer & Deirdre McPartlin, Redleaf Press

Growing Up Wild The Council for Environmental Education

Hands-On Nature Jenepher Lingelbach & Lisa Purcell, Vermont Institute of Natural Science

How to be an Explorer of the World: Portable Life Museum Keri Smith, Penguin Books

I Love Dirt! 52 Activities to Help You and Your Kids Discover the Wonders of Nature Jennifer Ward, Roost Books

Invent to Learn: Making, Tinkering and Engineering in the Classroom Sylvia Libow Martinez and Gabriel Stanger, Ph.d., Constructing Modern Knowledge Press

Last Child in the Woods: Saving Our Children From Nature-Deficit Disorder Richard Louv, Algonquin Books

Nature Smart: Awesome Projects to Make with Mother Nature's Help Gwen Diehn, Terry Krautwurst, Alana Anderson, Joe Rhatigan & Heather Smith, Main Street

Project Seasons Deborah Parrella, Shelburne Farms

Supporting Family Conversations and Children's STEM Learning in a Children's Museum

Haden, Catherine A., Erin A. Jant, Philip C. Hoffman, Maria Marcus, Jacqueline R. Geddes, and Suzanne Gaskins. *Early Childhood Research Quarterly* 29 (2014): 333-44.

This study explores how conversations can be facilitated in museums with and without employee supervision- although it focuses on engineering, many of the concepts would apply equally well to work nature programming.

The Art of Tinkering Karen Wilkenson and Mike Petrich (from the Exploratorium!), Welden Owen

The Green Hour: A Daily Dose of Nature for Happier, Healthier, Smarter Kids Todd Christopher, Roost Books

The Growing Classroom: Garden-Based Science Roberta Jaffe & Gary Appel, National Gardening Association

The Kids' Book of Weather Forecasting Mark Breen & Kathleen Friestad, Williamson

The Makerspace Workbench: Tools, Technologies, and Techniques for Making Adam Kemp, Maker Media

The Nature Principle: Reconnecting with Life in a Virtual Age Richard Louv, Algonquin Books

The Stick Book: Loads of Things You Can Make or Do with a Stick Fiona Danks, Frances Lincoln

Tinkering: Kids Learn by Making Stuff Curt Gabrielson, Maker Media

Tinkerlab: A Hands-On Guide for Little Inventors Rachelle Doorley, Roost Books

Wildlife Gardening: How to Bring Birds and Bugs to Your Backyard Martyn Cox, DK Publishing

Websites:

National Geographic for Kids

www.kids.nationalgeographic.com

A place to learn all about geography and fascinating animals.

National Institute for Environmental Health Science Kids' pages

<http://kids.niehs.nih.gov/games/index.htm>

Activities, experiments, songs, jokes, illusions, riddles and brainteasers to learn more about health and the environment.

National Wildlife Federation Kids' page

www.nwf.org/Kids.aspx

A website site created by an organization dedicated to inspire Americans to protect wildlife for the children's future. Great ideas for fun things to do outdoors and for kids and parents to do together.

PBS Nature and Eeko World

<http://www.pbs.org/wnet/nature/> and <http://pbskids.org/eeeworld/>

A website with plenty of information that is nature-related and Eeko, a PBS website that teaches kids how to help take care of the earth.

Kid's Planet

<http://kidsplanet.org/>

This website shows kids how to defend the environment with fun games and activities; by an organization dedicated to the protection of all native wild animals and plants in their natural communities.

Highlights Kids

www.highlightskids.com

Where children can read, play games and conduct cool science and experiments.

Nature Explore

<http://www.natureexplore.org/index.cfm>

A place that supports the important efforts to connect children and families with nature.

Switcheroo Zoo

www.switcheroozoo.com

Watch, listen and play games to learn all about amazing animals.

AZA (Association of Zoos and Aquariums)

www.aza.org

Organization dedicated to the advancement of zoos and aquariums in the areas of conservation, education, science and recreation.

Smithsonian National Museum of Natural History www.mnh.si.edu/education/

A website dedicated to inspire curiosity, discovery and learning about the natural world through research, collections, exhibitions and education outreach programs.

DNR Environmental Education for kids. (EEK) dnr.wi.gov/eeek

On this site, children can surf around and learn more about the great outdoors.

Globio Glossopedia www.globio.org

Created to engage children in cross-cultural dialogue and understanding, inspiring them to protect the diversity of all life on earth. A place for kids to discover the world.

Children & Nature Network www.childrenandnature.org/

Natural Resources Management Guide for kids

www.managemyproperty.com/articles/natural-resources-management-for-kids-128

Includes fun activities about natural resources such as fossil fuels, rocks, trees, and sources of power like solar and wind energy.

Animal Planet animal.discovery.com/

Animal Planet lets you explore cat breeds, dog breeds, wild animals, pets and much more.

Let's Go Outside www.fws.gov/

A website from the U.S. Fish and Wildlife Service that works on connecting people with nature and conserving the nature of America

World Wildlife Fund worldwildlife.org/

One of the leading organizations in wildlife conservation and endangered species. A website with great information available.

United States Environmental Protection Agency Kids' Page www.epa.gov/students/index.html

EPA has lesson plans, teacher guides, publications, tons of fun games to play and learn about the environment, as well as resources you can use to **help** with various environmental subjects.

Play Outside theplayfiles.blogspot.com.au/

A website that collects some of the best ideas for outdoor play and spaces from around the blogosphere.

Project Learning Tree www.plt.org/

This website contains an award-winning environmental education program for teachers and other educators working with students from preschool through grade 12.

Pittsburgh Children's Museum Makeshop www.makeshoppgh.com

Pittsburgh Children's Museum has a great blog with their Makeshop.

Erikson Early Math Collaborative earlymath.erikson.edu

The Erikson Institute has worked with Kohl Children's Museum to identify some of the early math skills that are naturally developing as kids play in exhibits. It's a great resource for communicating some of the important skills developed during play.

Exploratorium: The Tinkering Studio tinkering.exploratorium.edu

Maker Ed makered.org

CAISE Informal Science informalscience.org

ASTC Community of Practice Groups community.astc.org/home

Vendors:

Acorn Naturalists www.acornnaturalists.com

Carolina Biological www.carolina.com

Constructive Playthings www.constructiveplaythings.com

Douglas Toys (butterfly wing costumes)

Folkmanis (puppets)

Hobby Lobby (slate for water painting)

Kodo Kids www.kodokids.com

Lakeshore Learning Materials www.LakeshoreLearning.com

Nature Explore www.natureexplore.org

Nature Watch www.nature-watch.com

(and any Waldorf supplier)