

# Outdoor Learning Resources

## Professional Resources

The Sense of Wonder by Rachel Carson

Authentic Childhood: Experiencing Reggio Emilia in the Classroom by Susan Fraser

Place-Based Education: Connecting Classrooms and Communities by David Sobel

Children and Nature: Design Principles for Educators by David Sobel

The Goodness of Rain: Developing Ecological Identity in Young Children by Ann Pelo

The Great Outdoors: Advocating for Natural Spaces for Young Children by Mary S. Rivkin

Connecting the Dots: Key Strategies that Transform Learning for Environmental Education, Citizenship and Sustainability by Stan Kozak and Susan Elliott

Schoolyard-Enhanced Learning: Using the Outdoors as an Instructional Tool K-8 by Herbert W. Broda

Get Outdoors: An Educator's Guide to Outdoor Classrooms in Parks, Schoolgrounds and other Special Places by Sue Staniforth

Discovering Nature with Young Children by Ingrid Chalufour and Karen Worth

A Little Bit of Dirt: 55+ Science and Art Activities to Reconnect Children with Nature by Asia Citro

Dirty Teaching: A Beginner's Guide to Learning Outdoors by Juliet Robertson

Nature Anatomy: The Curious Parts & Pieces of the Natural World by Julia Rothman

Experiencing Nature with Young Children: Awakening Delight, Curiosity and a Sense of Stewardship by Alice Sterling Honig

Last Child in the Woods: Saving Our Children From Nature Deficit Disorder by Richard Louv

Vitamin N: The Essential Guide to a Nature-Rich Life by Richard Louv

The Curious Nature Guide: Explore the Natural Wonders All Around You by Clare Walker Leslie

The Big Book of Nature Activities by Drew Monkman and Jacob Rodenburg

The Outdoor Classroom in Practice, Ages 3-7 by Karen Constable

Balanced and Barefoot: How Unrestricted Outdoor Play Makes for Strong, Confident, and Capable Children by Angela J. Hanscom

I Love Dirt!: 52 Activities to Help You and Your Kids Discover the Wonders of Nature by Jennifer Ward

The Garden Classroom: Hands-on Activities in Math, Science, Literacy and Art by Cathy James

The Stick Book: loads of things you can make or do with a stick by Fiona Danks

Nature Preschools and Forest Kindergartens: The Handbook for Outdoor Learning by David Sobel

Natural Curiosity: A Resource for Educators, Building Children's Understanding of the World through Environmental Inquiry

Natural Curiosity (Second Edition): A Resource for Educators, The Importance of Indigenous Perspectives in Children's Environmental Inquiry by Doug Anderson, Lorraine Chiarotto and Julie Comay

The Tree Book pdf here - <https://www.for.gov.bc.ca/hfd/library/documents/treebook/>

## Professional Resources - Mathematics Outdoors

The Little Book of Maths Outdoors by Terry Gould  
Maths Outdoors by Mercia Lee and Helen Yorke  
50 Fantastic Ideas for Maths Outdoors by Kirstine Beeley  
Messy Maths by Juliet Robertson



## Mathematical Inquiry Picture Books

Counting on Fall by Lizann Flatt  
Sizing Up Winter by Lizann Flatt  
Sorting Through Spring by Lizann Flatt  
Shaping Up Summer by Lizann Flatt  
Mysterious Patterns: Finding Fractals in Nature by Sarah C. Campbell  
Growing Patterns: Fibonacci Numbers in Nature by Sarah C. Campbell  
Lifetime: The Amazing Numbers in Animal Lives by Lola M. Schaefer  
What in the World? Numbers in Nature by Nancy Raines Day  
Swirl by Swirl: Spirals in Nature by Joyce Sidman  
Nature's Day: Discover the World of Wonder on your Doorstep by Kay Maquire & Danielle Kroll  
Flow, Spin, Grow: Looking for Patterns in Nature by Patchen Barss and Todd Stewart

## Children's Books

What is a Scientist? by Barbara Lehn  
Looking Closely series by Frank Serafini  
Looking Closely Inside the Garden  
Looking Closely Around the Pond  
Looking Closely Through the Forest  
Step Gently Out by Helen Frost  
A Closer Look by Mary McCarthy  
Look Book by Tana Hoban  
I Wonder by Tana Hoban  
Close, Closer, Closest by Shelley Rotner  
One Small Square (Woods, Backyard, Pond) by Donald Silver  
Green by Laura Vaccaro Seeger  
A Green Line by Polly Farquharson  
Step Outside by Doretta Groenendyk  
Anywhere Artist by Nikki Slade Robinson  
Looking Closely Along the Shore  
Looking Closely In the Rain Forest  
Looking Closely Across the Desert

# Online Resources

## SD38 Outdoor Math Ideas

[https://blogs.sd38.bc.ca/sd38mathandscience/wp-content/uploads/sites/14/2020/05/SD38\\_K-5\\_Outdoor\\_Learning\\_Math\\_June2020-1.pdf](https://blogs.sd38.bc.ca/sd38mathandscience/wp-content/uploads/sites/14/2020/05/SD38_K-5_Outdoor_Learning_Math_June2020-1.pdf)

<https://blogs.sd38.bc.ca/sd38mathandscience/2019/07/03/outdoor-classroom-day-november-1-2018-and-may-23-2019/>

<https://blogs.sd38.bc.ca/sd38mathandscience/2017/01/04/looking-for-math-outdoors/>

<https://blogs.sd38.bc.ca/sd38mathandscience/2015/04/03/where-does-mathematics-live-outside/>

<https://blogs.sd38.bc.ca/sd38mathandscience/ptsg-outdoor-opportunities/>

## BC Reggio-Inspired Mathematics Resources

Investigating Patterns and Investigating Shapes both contain outdoor learning experiences for K-5.

[https://janicenovkam.typepad.com/reggioinspired\\_mathematic/2020/09/new-shareedbc-resources.html](https://janicenovkam.typepad.com/reggioinspired_mathematic/2020/09/new-shareedbc-resources.html)

Where does math live in the forest?

[https://janicenovkam.typepad.com/reggioinspired\\_mathematic/2017/06/spring-institute-2017-where-does-math-live-in-the-forest.html](https://janicenovkam.typepad.com/reggioinspired_mathematic/2017/06/spring-institute-2017-where-does-math-live-in-the-forest.html)

Where does math live at the beach?

[https://janicenovkam.typepad.com/reggioinspired\\_mathematic/2017/07/summer-institute-2017-where-does-math-live-at-the-beach.html](https://janicenovkam.typepad.com/reggioinspired_mathematic/2017/07/summer-institute-2017-where-does-math-live-at-the-beach.html)

Where does math live in the canyon?

[https://janicenovkam.typepad.com/reggioinspired\\_mathematic/2018/02/fall-institute-2017-where-does-math-live-in-the-canyon.html](https://janicenovkam.typepad.com/reggioinspired_mathematic/2018/02/fall-institute-2017-where-does-math-live-in-the-canyon.html)

Where does math live in the mountains?

[https://janicenovkam.typepad.com/reggioinspired\\_mathematic/2018/02/winter-institute-2018-where-does-math-live-in-the-mountains.html](https://janicenovkam.typepad.com/reggioinspired_mathematic/2018/02/winter-institute-2018-where-does-math-live-in-the-mountains.html)

**Learning for a Sustainable Future (LSF) Outdoor Learning Webinars (Canadian)**

<http://resources4rethinking.ca/en/outdoor-learning>

**Natural Curiosity - book and recorded webinars (Canadian)**

<https://www.naturalcuriosity.ca/englishbook>

<https://www.naturalcuriosity.ca/webinars>

**Outdoor Learning Store (BC)**

<https://outdoorlearningstore.ca>

**Juliet Robertson's Website (Creative Star)**

Juliet is the author of Dirty Teaching and Messy Maths and is from the UK.

<https://creativestarning.co.uk>

And a new resource form Juliet, the Outdoor Numeracy Pack

<https://drive.google.com/file/d/1ouZhmbhbWDwC7mXdLXLUcxKqpUXF2lpR/view>

**Muddy Faces**

Outdoor learning store and resources from the UK

<https://muddyfaces.co.uk/shop/curriculum-learning/maths>

**Wild About Learning**

Literacy and Numeracy resource from the UK

<https://static1.squarespace.com/static/54dcb912e4b0cb4e2c88cd56/t/5943da08440243c1fa29293b/1497619122591/LRWT+Wild+About+Learning+pack.pdf>

**BC Numeracy Network Outdoor Learning Resources**

<https://sites.google.com/view/bc-numeracy-network/outdoor-learning?authuser=0>

**Outdoor Classroom Day**

A global initiative, held twice a year

<https://outdoorclassroomday.com>

**Mentoring Nature Connections Videos**

Created by Lauren MacLean, Coquitlam School District

<https://mentoringnatureconnections.wordpress.com>

**Megan Zeni Garden Classroom Website**

<https://meganzeni.com>