

USING THE STREAM VALLEY RESOURCES

***The Gwynns Falls - Baltimore Greenway to the Chesapeake Bay* by W. Edward Orser**

An informative book that engages a rich historical record and tells the stories about this complex landscape.

[Gwynns Falls Trail Interpretive Panels](#)

Interpretive panels tell the story of the layers of natural and human history at sites along the Gwynns Falls Trail. To view them, click the text links or open the Baltimore city map.

[Baltimore City Watershed Map](#)

Find your watershed!

[Gwynns Falls Watershed](#)

Get more information specific to the Gwynns Falls Watershed.

[Water Quality in the Gwynn Falls](#)

A research team analyzed over 20 years of water quality data in the Gwynns Falls watershed. Read about their findings and what's impacting our water quality - both good and bad!

[Forests and Watershed Health](#)

Learn about how forests and trees are crucial to watershed health with Penn State Extension.

ANIMAL ADAPTATION RESOURCES

BIRDS OF PREY

[Bird Field Guide](#)

Learn about different bird species - their habitat, diet, calls, and more! You can search by name, shape, or taxonomy.

[All About Feathers](#)

An interactive tutorial. What makes birds unique? Explore the fascinating science behind feathers.

[These Paper Airplanes Fly Like Birds](#)

To learn firsthand about flight, kids fold paper airplanes to mimic birds' four different wing shapes.

[How to Draw a Screech Owl with David Sibley](#)

A step-by-step pdf on how to draw Maryland's smallest year-round owl! The video can be found [here!](#)

SNAKES

[Maryland Snakes](#)

Learn about the 27 different kinds of snakes found in Maryland. Click on the name of the snakes for more information about that species!

[Snake Facts for Kids](#)

Join NatGeo Kids to learn more about snakes and their adaptations!

TURTLES

[Maryland Turtles](#)

Learn about the 21 different kinds of turtles found in Maryland. Click on the name of the turtle for more information about that species!

[Turtle Facts for Kids](#)

Join NatGeo Kids to learn more about turtles and their adaptations!

ADDITIONAL EDUCATION RESOURCES

[Treasure Hunt in Gwynns Falls Park, Baltimore City](#)

Photos and checklist for spotting animals and plants. Enjoy your adventure!

[Preparing to Go Outside](#)

Guidelines and preparations for being outdoors in nature. It also includes three nature activities - creating a sit spot, story of the day, and circle of thanks.

[Winans Meadow Activities](#)

Site-specific activities that can be done in the Winans Meadow area of Gwynns Falls Trail in Baltimore. Explore the habitats of wildlife and human ancestors! - water, food, shelter, and space. The guide was created by Parks and People Foundation and the Natural History Society of MD as a "Teacher's Handbook for a Nature and Cultural Field Trip on the Gwynns Falls Trail."

[Staying Connected Through Nature Play and Learning](#)

Activities and ideas for nature-based home-school. From a "Staying Connected: Nature Play and Learning" webinar presented by the Eastern Region Association of Forest and Nature Schools.

[How to Teach Nature Journaling](#)

This has 31 hands-on field activities to "connect art, science, math, and critical thinking, while encouraging students and mentors alike to recognize and record the wonder and beauty in the natural world."

[What's Good in My Hood](#)

Activities to help kids explore their neighborhoods. Based in New York City, but all activities in this workbook can be applied to our own neighborhoods

[Leaf Themed Activities](#)

Created by Kerry Wixted from the Maryland Department of Natural Resources

[Little Pine Learners](#)

Nature Play Activities

[Alaskan Coastal Studies Science Learning At-Home & Outside](#)

Activity Sheets for Outdoor Learning and Lesson Plans for Science & Stewardship

[Takeachildoutside.org](#)

Simple outdoor activities to do with children, especially younger children with minimal supplies

NATURE APPS AND COMMUNITY SCIENCE PROJECTS

[iNaturalist / Seek](#)

An iNaturalist app for kids. Take pictures of species and receive badges.

[Agents of Discovery](#)

Augmented reality app for kids. Go on a mission outdoors and receive badges and rewards - There's a Leakin Park mission you can explore and play!

[Plant Snap](#)

Identify plants by taking a picture of them.

[Leaf Snap](#)

Identify plants by taking a picture of their leaves.

[Merlin Bird ID](#)

Digital bird guide that includes pictures and songs.

[AllTrails](#)

An app full of digital trail maps.

[Leps](#)

An app that lets you identify moths and butterflies by taking a picture of them.

[Creek Critters](#)

An app that lets you document aquatic critters and water quality.

[Stream Selfie](#)

Take a selfie with a stream, fill out some information on the website, attach the photo and submit!

[Celebrate Urban Birds](#)

Pick an area where you can do a 10 minute bird survey each day for 3 days in a row, focusing on 16 target bird species. You can then submit your data to the website and it can be used in science research.

[NestWatch](#)

Monitor a bird nest twice a week and share your results.