

August 2019

Sponsored by Daemen College Global & Local Sustainability Program

Newsletter Contents:

Articles- including events, courses, local news, grants, jobs

Upcoming Activities

Tips for the Environment

Volunteer

Insectival

Come to Tiff Nature Preserve for Insectival, their ninth annual basic festival of insects and their crawly cousins,

Master Food Preserver Training

Cornell Cooperative Extension of Niagara County is offering a ~~one~~ training on **August 1**

2019 State of Curbside Recycling Survey Open!

Help determine the State of Curbside Recycling in America! Our 2019 State of Curbside Recycling Survey is open for your input. Tell us about your challenges, policies, and program financing to help build a robust and resilient curbside recycling system in the United States. The greater the participation, the greater the power of this data. Let's tell the story of the current recycling landscape. Complete the survey [here](#)

Pick Up Your Copy of the Water Trail Guidebook and Map Set

The new NYS Canalway Water Trail Guidebook and set of four water and tear resistant maps is an indispensable resource for paddlers to experience the waterway. The guide includes launch sites, paddle-friendly facilities and amenities, and places of interest for over 450 miles of the NYS Canal System, including the Erie, Seneca, Oswego, and Champlain canals. Visit our website to download or order a copy.

<https://eriecanalway.org/explore/boating/watertrail>

Veterans Lead Safety for Renovation, Repair & Painting (RRP) Class

The Lead Renovation, Repair and Painting course is IDEAL for any Erie County veteran or resident currently serving the military that is already working in or interested in working in building trades, building construction, home improvement and property management. Erie County veterans can participate in this course AT NO COST. You must have lead-safe certification to complete any professional work on a pre-1978 home. The USEPA Lead Safety for

EPA Launches

Interns

Fall 2019

Mapping the Course of Climate Change

A new mapping application helps visualize projected climate change by comparing the projected climate of a c the current climate in alternate locations, helping people to develop an

Adopt-a-Horse: Support the Solar-Powered Heritage Carousel

A solar-powered historic carousel is planned for Canalside in 2018. The Buffalo Heritage Carousel, Inc. is currently restoring the 1924 Spillman carousel which features 34 hand carved and painted animals and 3 chariots, with many currently needing restoration. Consider adopting one of the animals or contributing to the efforts of the project. For more info, visit <http://buffaloheritagecarousel.org/>

DEC Launches Tool to Increase Transparency and Access to Data and Reports

DEC recently launched an interactive map that provides access to DEC documents and public data about New York's environment and outdoor recreation resources. This first-of-its-kind DEC mapping application generates results specific to locations across the state and includes 50 interactive data layers. Several information layers can be active at any time, allowing users to see the many ways DEC is working to protect and enhance the state's environment and recreational opportunities. You can use the tool to find places to view wildlife, locate areas with fishing rights and conservation easements. To access the mapping application, visit [the DEC Locator web page](#)

Mark **September 28th and 29th** on your calendar for the Masterson's Honey Harvest Festival. The annual festival features speakers and demonstrations related to honey and production of honey. Honey tastings allow you to experience bees' hard work. Masterson's Nursery is in East Aurora.

NYSERDA Farm Energy Audits

NYSERDA offers free energy audits to identify energy efficiency measures for eligible farms and producers, including but not limited to: dairies, orchards, greenhouses, vegetable growers, vineyards, grain dryers, etc. Farms must be customers of a New York State investor-owned utility and contribute to the System Benefits Charge (SBC). Please check your farm's current electricity bills to determine if you pay SBC. Farms can request an energy audit through the Agriculture Energy Audit Program.

Skincare Chemicals and Coral Reefs Website

Common chemicals used in thousands of products to protect against harmful effects of ultraviolet light on corals and other marine life. If you are planning a swim, check out your skincare to reduce harm to aquatic life. [more from this excellent NOAA website.](#)

Personal Plastics Calculator

Environmental footprint calculators have been used for a number of years as a measure of personal impact. Now there is a calculator that allows you to assess your plastic usage week or year. While we may not have substitutes for all of the items, the first step in reduction is awareness. Check out the calculator [plastic footprint](#)

Your Guide to Farmer Grants in the Northeast

Farm Credit East compiled a comprehensive report of farming grants offered in the northeast. The report is organized by first listing federal/regional grants, and then by state. However, federal resources are applicable to all states. [Review here](#)

Deadline Extended for NY Community Greenworks Applications

The New York State Department of State (DOS) has extended the deadline for applications for the NY Community Greenworks "train-the-trainer" program to **August 7, 2019**. Community organizations can apply to receive one week of intensive training from PUSH Buffalo (People United for Sustainable Housing) in sustainable community development, vacant property revitalization, green technologies, community engagement and empowerment and development. You can find the Request for Application [DOS's website](#)

Bee Simulator Game

In a game to be released later this year, you can discover the world through the eyes of a bee! In **Bee Simulator** collect pollen, and interact with your fellow bees, the queen and with other animal species. Explore Honey Park at your leisure, a world inspired by Central Park. Through main and secondary missions, become the bee that will save your human swarm. [View a demo of the game video at beedemo](#)

Wild Bee Identification App

Save the bees by [Wild Bee ID app](#)

Canalway Water Trail Guidebook and Navigational Maps Available

The *New York State Canalway Water Trail Guidebook and Navigational Map Set*, which includes a set of four water and tear resistant maps will become an indispensable resource for paddlers to experience the Erie Canal waterway. The mile-by-mile guide includes launch sites, paddler-friendly facilities and amenities, and places of interest for over 450 miles of the NYS Canal System, including the Erie, Cayuga, Seneca, Oswego and Champlain. The NYS Canal System is a premier destination for paddlers, offering hundreds of miles of continuous waterway through canals, rivers, and lakes. The water trail welcomes paddlers of all abilities to explore this scenic and recreational waterway. For more info and to download or order a free copy of the guidebook, visit eriecanalway.org/watertrail

Summer Spoils and Soils

Follow the [Summer Spoils and Soils](#) series, a social media campaign by the NYS Food Recovery Campaign, during the months of July and August. The series will focus on easy, creative ways to get the most out of your food this summer while also doing your part to prevent wasted food and the negative impact it has on the environment. Learn how to cook using all parts of your produce or with food you might have otherwise thrown away, how to preserve fruits and vegetables, how to make snacks and meals out of leftovers and tips on composting anything that's too far gone to make it onto your plate.

New Packaging

3M is releasing a new type of packaging that requires no tape and no filler, and it can be customized to fit any object under 3 pounds—which 3M says accounts for about 60% of all items that are bought online and shipped. 3M claims the material, called the [Flex & Seal Shipping Roll](#)

Fall Case Study in Science Conference

Registration is now open for our Fall Case Study Teaching in Science Conference **September 27-28, 2019**, in Buffalo, NY, sponsored by the National Center for Case Study Teaching in Science, at the Buffalo Marriott Niagara. Our conference offers sessions fo

[Deciding Your City's Energy Future](#) for Grades 9-12. Students watch videos adapted from NOVA: Treasures of the Earth: Power and analyze data provided in graphs and maps concerning the availability, cost, reliability, and environmental impact of different energy sources.

[The Frogs of Panama](#) Engage students in authentic science research explore biodiversity and conservation issues in the classroom with outreach materials developed by scientists/educators studying frogs at the Smithsonian Tropical Research Institute in Panama.

[Climate Change Timeline](#) describe early science leading up to the discovery of climate change.

[Climate Change Interactives](#) allows users to enter their location and see some of the direct local effects likely with climate change.

[Educator's Guide to Marine Debris](#)- also available in Spanish, easy-use guide is designed to provide maximum flexibility for educators in both formal and informal settings.

[Educational apps for Middle and High School Students](#)

[Education apps for Elementary Students](#)

[DEC's I Fish NY Program's K-12 lesson plans about fishing, including specific ones for outside the classroom](#)

[DEC's Environmental Education K-12 lesson plans](#)

[Educational Resources on Black Bears](#) contains 29 lessons for students in kindergarten through 8th grade. The self-contained computer program is full of puzzles, computer games, special bear movies, quizzes, and interactive learning activities.

[The Northern Forest Atlas](#) is a free, online resource cataloging the plant diversity of the Northern Forest (NY, ME, NH, VT, MI, MN, MA). Includes stunning photos, charts, and videos.

[Five Gyres Curriculum](#) Next Generation Science Standards (NGSS) Educational Curriculum, piloting on Lonely Whale's Catch the Wave platform.

[LearnHowToBecome.org](#) is a comprehensive website for students and other young professionals to find and explore resources related to a variety of careers. It includes sections on career types and paths, colleges, online education, and a resource center.

[KoiKiwi](#) is an educational website with fun environmentally friendly games. Play puzzle games, action games, shooting games (shooting GHG molecules for instance!), rubbish cleaning games, recycling games and more.

[Using Environmental Issues Forums \(EIF\) to Enhance Deliberation: Case Studies](#) This publication documents, through a series of case studies how educators have developed locally relevant EIF materials, reflect on their experiences holding forums for a variety of audiences, and report assessment results.

[EPA Activity Book for Elementary Age Students](#) How do you describe to students what the EPA does? This newest activity book for elementary age students to help introduce them to EPA. Kids can learn about the different ways the EPA works to protect our environment and our health. It's a simple, straightforward guide suitable for children of all ages.

[Botany Primer: Understanding Botany for Nature's Notebook](#) designed to help observers make reliable plant observations for submission to the Nature's Notebook citizen and professional science program. It covers basic botany, phenology vocabulary and the USA and PN's plant phenophases. It is also very appropriate for those interested in simply learning more about botanical terms and concepts, separate from participation in Nature's Notebook

[Solar Ovens & Design Critique](#) In this unit, students design, build, and test solar ovens

[Conservation Connect](#) is a webbased video series produced by the U.S. Fish and Wildlife Service, National Conservation Training Center (NCTC). Our goal is to connect a new generation of conservationists, ages 8-16, with the great outdoors, wildlife species, and conservation careers. Conservation Connect is available to youth groups, schools, homeschoolers, nature centers, and other educational programs throughout the country, free of charge.

[Humpback whale activity books](#) Learn about whales and their migration.

[How can teachers get students to learn science from each other](#) By communicating science, students can reinforce and help others learn.

[Sky, Water, Earth: self-paced online science activities for youth](#) collection of free, online, self-paced activities that are designed for youth between the ages of 12-16 who are interested in the field of science.

[High School Teacher's Guide for Climate Choices: How should we meet the challenges of a warming planet?](#)

[Middle School Teacher's Guide for Climate Choices : How should we meet the challenges of a warming planet?](#)

[Project GRACE](#) To prepare youth in economically disadvantaged communities for the prospect of careers in science, technology, engineering, or mathematics (STEM) through Geographic Information Systems (GIS).

[Kresge Foundation's Healthy Environments grant program](#) seeks to improve the health and well-being of vulnerable populations by making the places they live, learn, work and play safe and conducive to overall good health. Application deadline: **Rolling**.

[Cisco Global Impact Cash Grants](#) support nonprofit organizations in the U.S. and worldwide that provide assistance to underserved populations and leverage technology solutions to improve the reach, efficiency, and impact of their services. Take the [Eligibility Quiz](#) to see if you can apply.

[Technical Assistance Grant Information](#) The New York State Department of Environmental Conservation (DEC) is continuously accepting applications for Technical Assistance Grants (TAGs). TAGs are a citizen participation tool available to eligible community groups to increase public awareness and understanding of remedial activities taking place in their community. Eligible community groups may apply to receive grants for up to \$50,000 per site.

[Home Depot Community Impact Grants](#) Grants, up to \$5,000, are available to nonprofit organizations and tax-exempt public service agencies in the U.S. that are using the power of volunteers to improve the physical health of their community. Grants are given in the form of The Home Depot gift cards for the purchase of tools, materials, or services.

[Shell Foundation Grant](#) Programs that restore critical ecosystems, address water, air quality research, preserve wetlands and sponsor wetlands initiatives. Deadline: **Rolling**.

[Fluor Foundation Grants](#) Nonprofits and academic institutions. Projects promoting responsible stewardship of the environment and supports organizations that protect natural resources and habitats through conservation, restoration and beautification, and environmental education. Deadline: **Rolling**.

[Disney Conservation Fund: Rapid Response Grants](#) Nonprofits and academic institutions located in the U.S. Projects

[Americorps Vista](#) Serve Buffalo community for one year, earn living allowance, limited health benefits and educational award. Email dahir@city-buffalo.com for info.

[Architectural Specifications Write](#) Cannon Design.

[Animal Behavior Manager/Animal Keeper](#) IB Buffalo Zoo.

[Life Support Apprentice Operator](#) Buffalo Zoo. Under direction, performs routine work assignments involving the life support systems throughout the Zoo. This includes ensuring all systems are functioning properly and overseeing day day operations to assure proper water quality, clarity and chemistry. Work areas will include polar bear, sea lion, North American River otter pools/LSS areas, Rain Forest Wetlands/Anaconda pools/LSS areas, primate and general animal

Citizen Science

[Project Acari](#) Help tick researchers by sending samples for analysis. Register and you can receive a free kit with a postage paid mailer.

[FrogWatch USA™](#) is a citizen science program of the Association of Zoos and Aquariums that invites individuals and families to learn about the wetlands in their communities and to conserve amphibians by reporting data on the calls of local frogs and toads.

[Hemlock and HWA Hunters](#) volunteers locate hemlock stands and hemlock woolly adelgid in NY. To join our project please send us an email at ca1933@cornell.edu or info@nyshemlockinitiative.info

[Bumblebee Watch](#) Spring has sprung, record your bumble bee sightings and send photos

[Bumblebee Nest Locations](#) We know very little about bumble bee nesting habitat and we need this information to understand this critical aspect of bumblebee habitat to aid in their conservation.

[Caterpillars Count!](#) a citizen science project, could use your help to find out if plants, insects and birds are all responding to ongoing changes in climate to the same degree.

Orchard Park Garden Club- 1 p.m.at the Orchard Park Presbyterian Church, 4369 S. Buffalo St., Orchard Park. Sign-ups begin at 1 p.m. with refreshments at 1:30 and the program at 2 p.m. Erin Bauer, founder of Fern Croft Floral, will make a slide show presentation and demonstration titled “Design with Natural and Local Materials.”

Kayaking with Tina-[info](#), [Beaver Island Nature Center](#) A little more than a beginner’s class on kayaking! Join Tina and Kelly, ACA certified kayak instructors, for more than just the basics. A kayak, paddle and life jacket will be provided for the class. Weather permitting. Space is limited, sign up early. For information and registration call (716) 282-5154. 6:30 p.m.– 8:30 p.m. *Registration: Required*

Thursday Evening Stress Reducer Paddle-6:30 to 9pm. Come join the Paths, Peaks & Paddles guides and instructors for our Thursday evening STRESS reducer paddle for relaxation, stress relief and fun. We meet out in Wilson at the Wilson Tuscarora State Park (Route 18 East of Niagara Falls) at 6:30pm in the back parking lot. We will either take a paddling trip on either the East or West Branch of Twelve Mile Creek. To top off the evening we paddle out to Lake Ontario and watch a spectacular sunset over Toronto 38 Miles away across the lake. All are welcome if you have your own boat (canoe or kayak) there is no charge. If you need to rent one

Saturday, August 3

A Walk in the Woods-6 to 8pm. LEAD: David Shepherd LOCATION: Onondaga Trail (Sour Springs Rd. south) at Iroquois National Wildlife Refuge. Join us on a summer walk for a closer look at the forest inhabitants and interactions. You'll learn the benefits the forest provides us and threats to its existence. We'll look not only at the trees, but the forest as a whole.

Northwest Buffalo Tour of Gardens- 10 a.m. to 4 p.m. Friday, Aug. 2 and Saturday, Aug. 3. This free, self guided tour highlights groups of gardens within five distinct parts of Northwest Buffalo. Visit one or two areas or all five –

Mommy and Me Paddle-9:00-11:30am. Do you want to introduce your young daughter or son to kayaking but not sure how to go about it? The staff of Paths, Peaks & Paddles would like to share a “Mommy and Me” morning adventure with you! We will provide to you a tandem kayak, paddles and life jackets. Your guide will accompany you down the creek pointing out the great wonders of the outdoors. Don't hesitate to sign up, each outing is geared for small groups so we can spend quality time with each kayak. Join us on for a fun family paddle! Cost is \$12 per kayak. Reservations are a must! Time: 9:00 am until approximately 11:30 am. Questions are welcome at: 716-213-0350 or [contact us](#)

-11am. Join a guided nature walk through the woods. No registration required. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

Volunteering at Pelion-9:30am. 206 Best St., Pelion Community Garden at City Honors, Buffalo.

PUSH Green: Free Fred Brown-Ujima Co. presents a free public performance at 2pm @ 429 Plymouth Ave., Buffalo. <https://www.ujimaco.org/> **Free Fred Brown!** is a devised theatre piece about a young black man who becomes the reluctant leader of a movement while in prison for “theft of services” from the regional gas company. Fred is from Uptown, a frontline community at the epicenter of economic, racial, and climate justice, in a rustbelt city that is identical to Buffalo, NY.

Botanical & Wildlife Surveys 2-10:00am-12:30pm at The Park School of Buffalo. A gentle hike through the beautiful Park School Campus with a focus on collecting data on local plants and wildlife populations as part of an ongoing site plan [www.earthsp/w uplmpny.11\(e\)8\(-\)1\(a\)\] TJ TJ ET QC9 792 re W* n5 BT /F1 11 Tf 1 0](http://www.earthsp/w uplmpny.11(e)8(-)1(a)] TJ TJ ET QC9 792 re W* n5 BT /F1 11 Tf 1 0)

WNY VegFest-11am to 5pm. Location [Buffalo RiverWorks](#) WNY Vegfest features world renowned speakers, exhibitors, vendors, live music, delicious and healthy food, children's activities, entertaining performances, 5K Run/Walk and so much more! Their work is dedicated to educating, inspiring, and encouraging a vegan diet for improving health, expanding compassion and taking greater care of our environment.

Monday, August 5

Buffalo Walks: Aloft Hotel at 500 Pearl Str 5:30 to 6:30pm. We've seen the "before" and had a party in the "during", now join WFD for a tour of the "after" at the new Aloft Hotel at 500 Pearl Street. Join Tom Fox with Ellicott Development as he leads us on a tour of the newly completed and opened Aloft Hotel, adjoining banquet spaces and residential spaces. We will end the tour in the top of the tower to get an incredible view of the Buffalo skyline and the beginning of the sun setting! Registration at 5:15pm, tour begins promptly at 5:30pm.

Thursday, August 8

Wellness Walks-10:00am- 12:00pm. Drop by Tiff Nature Preserve every Thursday and join us for a casual volunteered tour of the Preserve. Please call 716-6397 to confirm walk will be taking place. Open to all, \$2 donation per person is appreciated.

Kayaking with Tina-[info](#), [Beaver Island Nature Center](#) A little more than a beginner's class on kayaking! Join Tina and Kelly, ACA certified kayak instructors, for more than just the basics. A kayak, paddle and life jacket will be provided for the class. Weather permitting. Space is limited, sign up early. For information and registration call (716) 282-154 6:30 p.m.– 8:30 p.m. *Registration:* Required

Waterkeeper Kayak Tour- 6 to 8pm. Buckhorn Island [Details and registration.](#)

Thursday Evening Stress Reducer Paddle-6:30 to 9pm. Come join the Paths, Peaks & Paddles guides and instructors for our Thursday evening STRESS reducer paddle for relaxation, stress relief or just plain FUN. It beats sitting in front of the tube and definitely beats yard work. We meet ~~Wilson~~ at the Wilson Tuscaror

Saturday, August 10

Walking Tour around Hoyt Lake-Two 90-

Central Park & Parkside by Bike-6pm at Parkside Lodge, 84 Parkside. Join us for a bike tour through two of Buffalo's most picturesque neighborhoods. General Admission \$15 / Student Admission \$5 / Explorer Pass Admission Free. Helmets are required for all tour participants. Each tour participant must have a bicycle in good working condition; participants are also required to sign a waiver before the tour. The minimum age for this tour is 14 years old. Advance reservations are encouraged but not required for this tour.

Thursday Evening Stress Reducer Paddle-6:30 to 9pm. Come join the Paths, Peaks & Paddles guides and instructors for our Thursday evening STRESS reducer paddle for relaxation, stress relief or just plain FUN. It beats sitting in front of the tube and definitely beats yard work. We meet out in Wilson Tuscarora State Park (Route 18 East of Niagara Falls) at 6:30pm in the back parking lot. We will either take a paddling trip on either the East or West Branch of Twelve Mile Creek. To top off the evening we paddle out to Lake Ontario and watch a spectacular sunset over Toronto 38 Miles away across the lake. The vibrant colors across the sky are mirrored on the lake is breathtaking. Here you can really appreciate Mother Nature and the beauty she shares with us. All are welcome if you have your own boat (canoe or kayak) there is no charge. If you need to rent one, the cost is only \$30.00 per boat solo or \$40.00 tandem delivered out to Wilson for you, includes paddle(s) and PFD(s). We will bring the rented boat out to you! RESERVATIONS ARE A MUST! YOU ARE RENTING CALL: 716-213-0350. Or [contact us](#).

Waterkeeper Kayak Tour- 6 to 8pm. Griffon Park [Details and registration](#).

Niagara

Beaver Meadow Botany 10am to noon. We'll survey the various plant habitats that grace the preserve. Hidden Valley Trail to Long Trail to Old Woods and round to sample some of the beautiful plants that grows at Beaver Meadow. Family friendly although it will be a long hike. Registration required. Pre-registration required. Please call 585-73228 to register. \$5.

WNSBR Community Service Day-9 to 11am at Seneca Bluffs Park. Summers are about community impact! This is a great opportunity to expose your coworkers/ friends/ family members to new causes, all while having a great time together. [Info and registration](#)

Forest Bathing-9:30 to 11:30am. Connect with nature during a forest bathing walk, led by Jennifer Fendya certified forest therapist. \$10/class; proceeds support youth education programs. For adults only. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

Family Nature Quest: World of the Pond-10:30am. Join us as we grab nets and scoop in the pond to search for aquatic animals. Wear waterproof boots or old sneakers. Registration required; 683-5959. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

-1pm. Join a guided nature walk through the woods. No registration required. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

Bats! Shadows of the Night- 8:00 PM- 11:00 PM. What goes screech, peep, and chirp in the night? Tiff and Ecology and Environment, Inc. present a special evening of Buffalo's wild nightlife. Participants safely observe scientific techniques in action like mist netting for bats and I4(J)-10(o)-1 H sc boo-8(w)31(.75 Tm 0 g 0 G [(-)]

SCINight Workshop: The Light Year-7 to 9pm. Our universe is measured in light years, that is, the amount of distance light travels in one year. What do these huge distances mean to us on Earth? How far away? Step inside our digital planetarium to look across our galaxy, and create a customizable star map to use in your own backyard. Ages 18+. Cost \$15 per participant (BMS Members save 10%) [Purchase Tickets](#)

Landmarks & Landscapes by Bike-6pm. On this overview bike tour of Buffalo's museum district, see works by some of America's greatest architects, including Frank Lloyd Wright and Henry Hobson Richardson, set within a park and parkway system designed by celebrated landscape architect Frederick Law Olmsted outside the Parkside Lodge in Delaware Park at 84 Parkside Avenue, Buffalo, NY 14214. General Admission \$15 / Student Admission \$5 / Explorer Pass Admission Free. Helmets are required for all tour participants. Each tour participant must have a bicycle in good working condition; participants are also required to sign a waiver before the tour. The minimum age for this tour is 14 years old. Advance reservations are encouraged but not required for this tour. <https://explorebuffalo.org/>

Thursday, August 22

Waterkeeper Kayak Tour- 6 to 8pm. [Details and registration.](#)

Kayaking with Tina-info, [Beaver Island Nature Center](#)

Tuesday Stress Reliever Paddle-6 to 8:30pm. Come join the guides and instructors of PPP every Tuesday evening for a paddle for either relaxation, stress relief or just plain FUN. It beats sitting in front of the tube and definitely beats yard work. We meet at the store (1000 Ellicott Creek Rd. Tonawanda) at 6:00pm and take a paddling trip on Ellicott Creek up and around the big island. All are welcome, i

Monthly Stargazing at Penn Dixie-7:30pm. Join us for an out-of-this-world experience. Our astronomers will map the night sky— including stars, planets, constellations, and deep space objects for you using a variety of telescopes and specialized equipment. Visitors are welcome to bring lawn chairs, warm blankets, and food/beverages. We'll have plenty of telescopes, but you can bring yours along, too, if you'd like some expert advice. Admission is \$4 or FREE for Penn Dixie members. No registration needed. Programs - 3 hours depending on viewing conditions.

Monarch Butterfly Festival- 10 a.m.-4 p.m. at the [Audubon Community Nature Center](#) 1600 Riverside Rd., Jamestown. In an indoor garden, explore all the stages of the monarchs' life cycle, hold a caterpillar or butterfly, see them tagged and then released at 4 p.m. to fly to Mexico. Do crafts, use a net to catch your own butterflies outside, visit the native plant sale, buy butterfly temporary tattoos, enter the basket raffle, purchase a food C's catering truck, and take a nature hike. The cost is \$8 for the public, \$6 Nature Center members and children 3-15, and free for children 2 & under. Parking is free.

North Tonawanda Bike Stampede- 1pm at Docksider Bar and Grill, 153 Sweeney, North Tonawanda
<https://slowrollbuffalo.org/schedule>

Hands-on Nature: Fantastic Fungi-2:30 to 3:30pm at Evangel State Park. To many, mushrooms are a source of mystery and wonder and we are only beginning to understand the critical role they play in our environment. Come discover the fascinating world of fungi and learn about the more common species in our region in our indoor workshop. For information and registration call (716) 545-5450. *Registration: Required*

Kayaking with Kelly- Wilson-Tuscarora State Park. A beginner's class on kayaking! Join Kelly and Tina, ACA certified kayak instructors for one hour lessons. A kayak, paddle and life jacket will be provided for the class. Weather permitting. Space is limited, sign up early. For information and registration call (716) 528-5282
Saturday, August 31: 11am-12, 1pm- 2pm, 3pm- 4pm, *Registration: Required*

Sunday, September 1

Trek Tiff- 2 to 3:30pm. \$2 donation per person is appreciated. All Ages. Drop in on Sunday afternoons and join us for a casual volunteer

Wednesday, September 4

Tips for the Environment:

1. **Get outside and enjoy the natural world**-Try two mobile apps to learn what you are seeing in [iNaturalist](#) and its sister app [Seek](#). With Seek users simply point their camera phone at the animal or plant they want to identify. The iNaturalist app takes biodiversity learning one step further by having users contribute photos of what they are seeing to an international citizen science database.
2. **Use natural insect repellents**- Find 8 recipes that you can make [diy repellents](#). If you prefer a pre-made repellent, check out [recommendations](#).

Ongoing Volunteer Opportunities Available

Volunteer opportunities are available at local organizations for a one-time commitment for several hours to a regularly scheduled donation of your time. Websites are listed later in the newsletter.

Aquarium of Niagara- Scuba-certified volunteers needed to clean the sea lion exhibit (without animals) once monthly. Other opportunities exist for education, exhibit maintenance and other tasks.

AWARE (Association for Wild Animal Rehabilitation and Education) volunteers needed for fundraising, grant writing, capturing and transporting animals to us or the veterinarians, public relations, construction of cages, begging for donations of materials and food (for the animals, not us) and for helping at our educational programs.

Buffalo Audubon- Volunteers wanted for Beaver Meadow Audubon Center, and For the Birds Niagara with Help

Garden Walk Buffalo helps to rejuvenate neighborhoods, helps make our neighborhoods more walkable, and has an incredible impact on Buffalo's image outside the region. For info, email GardenWalkBuffalo@yahoo.com

Go Bike Buffalo- If you're interested or want more information, info@gobikebuffalo.org

Habitat for Humanity needs volunteers to help impact lives of families in the city of Buffalo by building simple, decent homes. Call 204-740 or volunteer@habitatbuffalo.org

Hawk Creek Wildlife Center is seeking volunteers for who would like to work with wildlife. 16 years or older. Call 716 652-8646. Email info@hawkcreek.org

HOME, Inc. (Housing Opportunities Made Equal) seeks volunteers to work on various committees to further fair housing. For info/application, email aj265@homeny.org or visit their website at www.homeny.org

Iroquois Observations offers free nature programs in partnership with the Buffalo Audubon Society each spring and fall. Please contact Garner Light at 732-10 or light@rochester.rr.com for more information.

Junior Solar Sprint Buffalo-

Youth Summer/Holiday Camps/Home School Series

www.aquariumofniagara.org

www.buffaloudubon.org

www.buffalogardens.com

www.buffscience.org

www.tiftt.org

www.buffalozoo.org

www.penndixie.org

www.yourspca.org

Education Resources

[Green Education Foundation](#)

[Facing the Future](#)

[Cloud Institute for Sustainable Education](#)

[Sustainable Futures Institute](#)

[Nature Generation](#)

KindredKreek Farms <https://www.kindredkreek.com/>

Little Bear Farm <http://www.littlebearfarm.com/>

McCollum Orchard & Wildwood CSA <http://www.oldfarmnewlife.com/>

Michigan Riley Farm <http://michiganrileyfarm.wordpress.com/>

Native Offerings <http://nativeofferings.com/>

[Local Foods, Local Places Toolkit](#) to help communities develop their own plans for setting and achieving local food and revitalization goals.

[Archived EPA Climate Change Info](#)

www.epa.gov/climateindicators

[Guide to help schools reduce food waste](#)

[Tool for Sourcing Local Meat](#)

[Click here to watch the Know Your Food videos.](#)

[iMATTER Youth Movement to Spark Change](#)

[Green Infrastructure in Parks: A Guide to Collaboration, Funding, and Community Engagement](#)

Buffalo Astronomical Association	http://buffaloastronomy.com/
Buffalo Audubon Society/Beaver Meadow Nature Center	www.buffaloudubon.org
Buffalo Blueway	https://buffaloblueway.com/
Buffalo Niagara Community Reinvestment Coalition	https://www.facebook.com/BNCRC/
Buffalo Niagara Gardening	https://buffaloniagaragardening.com/
Buffalo and Erie County Botanical Gardens	www.buffalogardens.com
Buffalo Farm to School Program	http://buffalofarmentoschool.org/
Buffalo Geological Society	www.bgsny.org
Buffalo Heritage Carousel	http://buffaloheritagecarousel.org/
Buffalo in Bloom	http://www.buffaloinbloom.com
Buffalo Maritime Center	http://www.buffalomaritimecenter.org/
Buffalo Museum of Science	www.sciencebuff.org/
Buffalo Niagara Heritage Village	http://bnhv.org/
Buffalo Niagara Waterkeeper	https://bnwaterkeeper.org/
Buffalo Olmsted Parks Conservancy	www.bfloparks.org
Buffalo Orienteering Club	http://www.buffaloorienteering.org/
Buffalo Ornithological Society	http://www.buffaloorithologicalsociety.org/
Buffalo Recycles	http://buffalorecycles.org/
Buffalo ReUse	www.buffaloreuse.org/
Buffalo Urban Development Corp	http://budc.ecidany.com/
Buffalo Zoo	www.buffalozoo.org
Burchfield Nature and Art Center	http://www.burchfieldnac.org/
Center for Environmental Information (Rochester)	http://ceinfo.org/

Center for the Study of Art, Architecture, History and Nature	http://buffaloah.com/h/center/index.html
Chautauqua Watershed Conservancy	http://www.chautauquawatershed.org/
Chestnut Ridge Conservancy	http://chestnutridgeconservancy.org/
Citizens Campaign for the Environment	www.citizenscampaign.org
Citizens Coalition for Wildlife and Environment	http://citizencoalitionwe.com/
Citizensfor Regional Transit	www.citizenstransit.org/
City Action Corps	www.cityactioncorps.org
Clarence Bluebird Trail	www.clarencebluebirdtrail.org
Clean Air Coalition of Western New York	https://www.cacwny.org/
Clean Communities of Western New York	http://www.ccofwny.org/
Coalition of PositivelyCharged People	https://www.coalitionpositive.org/
Community Action Organization of Erie County	http://www.caoec.org/
Community Foundation for GreatBuffalo	http://www.cfgb.org/
Cornell Cooperative Extension for Cattaraugus County	http://chautauqua.cce.cornell.edu/
Cornell Cooperative Extension for Erie County	http://erie.cce.cornell.edu/
Cornell Cooperative Extension for Niagara County	http://cceniagaracounty.org/
Daemen College Center for Sustainability	www.daemen.edu/enviro-news
Department of Environmental Conservation (NY State)	www.dec.ny.gov/index.html
Designing to Live Sustainably	https://www.facebook.com/d2lsBuffalo/
Drave's Arboretum	https://www.facebook.com/dravesarboretum/
Earth Spirit Educational Services	www.earthspiritedu.org
Environmental Education Associates	http://environmentaleducation.com/
Environmental Protection Agency Local Office (716) 5544410	http://www2.epa.gov/aboutepa/epa-region-2

Tonawanda Creek Watershed Committee

<https://www.facebook.com/TonawandaCreek/>

Tonawanda Tomorrow

<http://tonawandatomorrow.org/>

Tuscarora Environmental Task Force

<http://www.tuscaroraenvironment.com>

21st Century Park on the Outer Harbor

<http://21stcenturypark.org/>

UB Engineers for a Sustainable World

<http://www.eswub.com/>

Western New York Land Conservancy	http://www.wnyc.org/
WNY Nursery and Landscape Association (PLANT WNY)	http://www.plantwny.com/
WNY Partnership for Invasive Species Mgmt (PRISM)	www.wnyprism.org
WNY Mountain Bike Association	http://www.wnymba.org
WNY Permaculture	https://www.facebook.com/WNYPermaculture1098493876841295/
Western New York Science Congress	http://wnysc.org/
WNY Seed Library	https://www.facebook.com/wnyseedlibrary/
Western New York Service Learning Coalition	http://levesqueinstitute.niagara.edu/programs/wnyslc/
Western New York Soil Health Alliance	www.wnysoilhealth.com
WNY STEM	http://wnystem.org/
Western New York Stormwater Coalition	http://www2.erie.gov/environment/
Western New York Sustainable Business Roundtable	http://www.wnysustainablebusiness.org/
Western New York Sustainable Energy Association	https://www.facebook.com/WNYSEA
WNY Peace Center Renewable Energy Task Force	http://wnypeace.org/wp/
West Side Ministries (716 Ministries)	http://www.westsideministries.org/
West Valley Citizen Task Force	www.westvalleyctf.org
Wild Kritters	http://www.wildkritters.com/
Wild Spirit Education	http://www.wildspirit.org/
Wind Action Group	https://buffalowind.wordpress.com/
Working for Downtown	http://www.workingfordowntown.org/
World on your Plate	http://www.worldonyourplate.org/
Youth Climate Summit	https://wnyyouthclimatesummit.org/