

# Enviro-News

April, 2018

Sponsored by Daemen College's Global & Local Sustainability Program

## Newsletter Contents:

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## Articles:

### Restore Corps: Volunteers needed for Plantings

The first 2018 Restore Corps event is the Gill Creek planting on **April 7, 2018**. This planting is to restore Gill Creek's water quality and aesthetic beauty while enhancing the creek's recreational uses. You can register or get more info on future events at <https://bnwaterkeeper.org/programs/restorecorps/>.

### Public Review and Meetings for 2050 Regional Transportation Plan

The Greater Buffalo Niagara Regional Transportation Council (GBNRTC) is holding two public meetings for the community to review and comment on the Draft 2050 Regional Transportation Plan "Moving Forward 2050". If you aren't able to attend either of the public meetings, you can still review the plan and submit your questions or comments at [gbnrtc.org/movingforward2050](http://gbnrtc.org/movingforward2050). [View plan](#). Meetings will be 5-7pm on **April 10** at the Niagara Falls Public Library and **April 12** at the Buffalo & Erie County Public Library.

### Buffalo Poverty Workshop

Join us at the ninth annual Buffalo Poverty Research Workshop on **April 13** from 9am to 12:30pm at the Buffalo & Erie County Public Library, 1 Lafayette Square. [Register](#) for the free workshop and send any questions to Christine Slocum of the Homeless Alliance of WNY at [slocum@wnyhomeless.org](mailto:slocum@wnyhomeless.org) or [\(716\) 853-1101 ext. 108](tel:7168531101). View the program and speakers at [schedule](#).

### New York State Environmental Excellence Awards

Is your organization, business, school, municipality or agency taking innovative approaches, advancing sustainable practices, generating economic growth or harnessing the power of creative partnerships? You could be one of NYS's next award winners! Submit applications no later than **Friday, April 13, 2018**. Application materials and a "Tips for Applicants" guide will be posted on [DEC's website](#).

### Citizen Science Training for Project Budburst

Reinstein Woods Nature Preserve and Environmental Education Center will hold [citizen science training: project budburst](#) from 10 a.m. to 1 p.m. **Saturday, April 14** at Reinstein Woods, 93 Honorine Drive, Depew. Become a volunteer and learn how phenology (a plant's natural life cycle) affects wildlife and is affected by climate change. For adults and children ages 10 and older. Registration is required. Call 683-5959 to sign up.

## Denims and Diamonds

Denim and Diamonds, an evening of live blues music, food and festivities at Hayloft in the Grove in East Aurora, N.Y. The event aims to raise funds for vital construction projects at Hawk Creek Wildlife Center's new Mill Road facility. The event, generously sponsored by West Herr Automotive Group, David P. Jones and Urban Design, kicks off on **April 14 at 5:30 p.m.** with dinner and a cash bar (beer & wine). The band Mercury Blues will provide live entertainment, and attendees can also enjoy a silent and live auction courtesy of Auctions International. Guests will enjoy a wine wall presented by Boulevard Real Estate and cigar rolling by Buffalo Cigars. In addition, during the event attendees will have the opportunity to meet some of the live animal ambassadors that reside at Hawk Creek, the very animals they are supporting. Tickets are \$100 per person or \$900 for 10 tickets and must be purchased in advance. The attire is dress shirts, blue jeans and "bling." For more information and to purchase tickets, [visit this link](#).

## Explore Buffalo Spring 2018 Docent Training Program

The Spring 2018 Docent Training Program will train new docents for the Turn of the Century Treasures downtown walking tour. Class times will be 9am to noon on Mondays, Wednesdays and Fridays from April 30-May 11 at First Presbyterian Church on Symphony Circle. Field sessions for the specific tour training will take place downtown. Taking other Explore Buffalo walking tours is suggested preparation for Docent Training to become familiar with our walking tours. The Turn of the Century Treasures tour is offered regularly from April through October, on weekdays and weekends, and is a good starting point to learn other Explore Buffalo tours. New docents are asked to learn a second tour of their choosing within one year of completing their graduation tour, either through a scheduled training class or one-on-one with a mentor. The application deadline is **Friday, April 20, 2018**. Fee is \$75 if accepted. [Docent Training Application](#)

## Spring Shoreline Sweep: Clean our Waterways

The Spring Shoreline Sweep is **April 21, 2018** from 10 am - 12 pm and there will be a volunteer celebration at Resurgence afterwards from 12 pm - 2 pm. There are over 40 sites! Sign up individually or as a group. Registration can be found at <https://bnwaterkeeper.org/programs/cleanup/>

## Taste of the Southtowns: Gooseneck Hill Waterfowl Sanctuary Fundraiser

Help Gooseneck Hill Waterfowl Sanctuary rebuild after their aviaries were completely destroyed by the snowstorm in March. Taste of the Southtowns will be held on **Sunday April 22nd** from 11:30-5 P.M. INSIDE St. Aloysius Hall, 190 Franklin St., Springville. Seven restaurants will be serving 50 food items ranging from \$2.00 to \$5.00. There will be a 50 Basket Chinese Auction, Silent Auction, 2 Live bands: "Nip n' Tuck" with Dave Tucker and "The Rustic Ramblers" with Gene Hilts on steel guitar. Get a Massage by Eric Davis for \$1/minute. Free Admission with \$10 purchase of Chinese auction or food tickets. Proceeds benefit Gooseneck Hill Waterfowl Sanctuary, a 501c3 organization, the largest waterfowl sanctuary in the US with over 700 endangered and protected ducks, geese and swans and over 70 different species. For info call 716-942-6835, [rosebird@frontiernet.net](mailto:rosebird@frontiernet.net), [www.gooseneckhillwaterfowlfarm.com](http://www.gooseneckhillwaterfowlfarm.com)

## Tree Seedlings Available to Protect Water Quality

Among their many benefits, trees help protect our streams and lakes by stabilizing soil and using nutrients that would otherwise wash into waterways. **Through May 9**, [DEC's Saratoga Tree Nursery](#) has a large variety of low-cost, native tree shrubs and seedlings for sale to the public. Available species include trees and shrubs ideal for streamside restoration and buffers, and a riparian species variety packet. Schools across New York State are also eligible to receive free seedlings for spring planting through the [DEC School Seedling Program](#). The program provides 50 tree seedlings or a mixed packet of 30 wildlife shrubs to any public or private school for planting on school grounds or other community spaces and offers teachers a great resource to enhance environmental lessons.

## Rain Barrel & Composter Sale

The Erie County Department of Environment and Planning, the City of Buffalo and the Western NY Stormwater Coalition are excited to sponsor the 2018 System rain barrel & Earth Machine compost bin sale. Prices are 50% off retail. Quantities are limited so order today . Order deadline: **May 25, 2018**. Pickup is 4-7pm on June 7. Choose pickup location when you order-City of Buffalo Engineering Garage, 1120 Seneca St., Buffalo or Erie County Highway Garage 1870 Military Rd., Tonawanda. <https://eriecompostersale.ecwid.com/>

## Green Up Jamestown

Join us for a series of Green Up Jamestown events to celebrate our natural assets and to inspire future generations to learn, love, and protect our environment! Roger Tory Peterson Institute (RTPI) is a proud partner in the the Green-Up Jamestown Coalition (GUJC) which endeavors to unite the Arts, Humanities, and Sciences; business and industry, and community leaders to increase citizen's love of nature, promote environmental awareness, and create local-to-global sustainability. RTPI works with community partners and sponsors of the GUJC to organize grassroots teaching and learning events modeled after those utilized during the first Earth Day in 1970. In the coming months, a diverse set of events will be offered throughout Jamestown. View the full schedule of events from **April through May** at <https://www.greenupjamestown.com/>.

## Reduce Your Carbon Footprint with the Drawdown EcoChallenge

Drawdown EcoChallenge is a 21-day engagement program focused on carbon reduction. The Challenge takes place **April 4-25** and follows actions highlighted in Drawdown, a book based on meticulous research that maps, measures, models, and describes solutions to global warming that already exists. Drawdown EcoChallenge is free and open to the public. Participants can join an existing team, create a new one, or join the Community team. Drawdown EcoChallenge provides tools and inspiration to turn intention into action, and gives participants a fun way and social way to think about and act on proven solutions to reverse global warming. Over eighty actions within seven Challenge categories provide participants with diverse options to reduce carbon usage. Participants track and share their progress online in a robust platform and earn points for taking action. The combination of collective action, camaraderie, and friendly competition makes change a little easier — and a lot more fun. Check out the challenges at <https://drawdown.ecochallenge.org/challenges>

## WNY Food Incubator Workshops

Are you a farmer with value-added products? Do you have a food product you'd like to bring to market? Sign up for the WNY Food Incubator business workshops, designed to help food businesses thrive! The workshops (**April 12, 19, 26 and May 3**) cost \$15 per or \$50 when you sign up for all 4. Topics include Business Planning, Financials and Pricing, Marketing and Recipe Commercialization. All classes will be held at [4487 Lake Avenue](#) in Lockport from 9am to 11am. If you have any questions, please call Ag. Specialist Amanda Henning at 433-8839 or email her at [app27@cornell.edu](mailto:app27@cornell.edu). [Click here for more information.](#)

## Service-Learning Faculty Fellows 2018

The annual Service Learning Faculty Fellows Training will be held on **May 23-24** from 8:30am to 4:30pm both days at Daemen College. Service-Learning Faculty Fellows will acquire an in-depth understanding of community engagement pedagogies and their use in service-learning courses during this intensive two-day training program facilitated by nationally recognized experts. The process of converting an existing course or creating a new course which incorporates service-learning will be supported during this program. [Register by May 11th](#) . Open to ALL Faculty from WNYSLC Member Institutions. Faculty from non-member institutions may apply for a nominal \$100 fee.

## **The Community Lens: Building Capital in your Community: Workshop for Non-Profits**

Non-profit organizations are invited to attend a workshop on May 24 from 8:30am-noon by Dr. Edward Zlotkowski, recipient of the Distinguished Lifetime Achievement Award from the International Association for Research on Service Learning and Civic Engagement. The workshop features a series of exercises and listening sessions to help gain insight and understand ways to make a difference in your community working with your resources. The event will be held at Daemen College. [Register online.](#)

## **Buffalo River Public Perception Survey**

Through decades of hard work with numerous partners, Buffalo Niagara Waterkeeper has reached a lot of milestones in restoring the Buffalo River. Help them to document the progress by taking this survey and telling them what you see on the Buffalo River! This project involves the U.S. Environmental Protection Agency, NYS Department of Environmental Conservation, Erie County and the City of Buffalo. [Survey.](#)

## **16<sup>th</sup> Annual NYS Green Building Conference**

[Register](#) for the 16th annual New York State Green Building Conference set to take place **April 5-6, 2018**, in Syracuse. The conference is the premier green building event in the Northeast, uniting sustainability professionals, educators and researchers across the design, construction and operations sectors to share tips, strategies and solutions. USGBC New York Upstate is a proud partner and exhibitor of the event. Conference participants represent many industries including architecture, engineering, construction, consulting, deconstruction, landscape architecture, government, higher education, K-12 education, state agencies, real estate and management firms.

## **NY GEO Renewable Heating & Cooling Conference**

Join us for the [fourth annual](#) NY-GEO Renewable Heating & Cooling Conference at the Radisson in Albany, New York on **April 18 & 19!** NY-GEO 2018 is the premier northeast renewable heating and cooling conference. This year's event will feature leading designers and installers, national and international geothermal experts, and representatives from state agencies.

## **2018 Center for Service-Learning Community-Engaged Scholarship Writing Workshop**

The Center for Service-Learning is pleased to announce the Community-Engaged Scholarship Writing Workshop on **April 18-19** at Nazareth College featuring Diane Doberneck, Ph.D., Associate Director of the National Collaborative for the Study of University Engagement, and Adjunct Faculty member in the Bailey Scholars Program at Michigan State University. For more information about the workshop sessions and to view the schedule, click [here](#). To register for the event, please click [here](#). There is no cost to attend this event.

## **Symposium on Energy in the 21st Century**

The 14<sup>th</sup> Annual Symposium on Energy will be held on **April 20, 2018** in East Syracuse, NY. For info or to register, visit [REGISTER NOW.](#)

## **High School Institute for Environmental Journalism**

The Institute for Environmental Journalism will be held in NYC from July 9 to July 27 with the mission to train the next generation of environment and climate reporters. (A two-week option is also available.) They are seeking motivated and curious students who are preparing for college — students who want to explore journalism and immerse themselves in reporting on the most pressing environmental challenges of our time. InsideClimate News' summer students will produce stories using New York City as their classroom. This 15-day journalism boot camp will be held at St. Joseph's College in the Clinton Hill neighborhood of Brooklyn. It is a day program and students who cannot commute will be responsible for their own room and board. Award-winning journalists and instructors will teach the fundamentals of journalism, including multimedia storytelling, interviewing techniques, and how to develop story ideas and sources. Students will also learn about climate science, clean energy technology, environmental justice, environmental policy, and news literacy. [Apply](#) by **May 1.**

## 2018 Preservation Awards

The 2018 Preservation Awards will be held on **Tuesday, May 22nd** at 6 pm at The Saturn Club. Join us as we celebrate all of our deserving awardees. [Tickets are on sale until May 11th and special discounts are provided to PBN members!](#)

## Bid to Build-Foundry Fundraiser

The Foundry's popular and colorful **Bid to Build** [benefit auction](#) will take place on May 24. The event features food and drink, music, live auction and more. The Foundry is an East Side business incubation hub and makerspace that empowers individuals and communities through education and entrepreneurship. **Bid to Build** is the organization's signature annual event -- a time to showcase its 30-plus unique small business tenants, to celebrate recent successes, and to auction off an assortment of handcrafted items to support The Foundry's overall mission and programming. This year's event will take place on **Thursday, May 24, 6:00 p.m. to 9:00 p.m., at the Foundry** ([298, Northampton Street, Buffalo](#)).

## Save the Date: Allegany Nature Pilgrimage

The 60th Annual Allegany Nature Pilgrimage will be **Friday – Sunday June 1- 3, 2018** at Allegany State Park. Info and registration at <http://www.alleganynaturepilgrimage.com/>. Hikes, workshops and other outdoor activities are featured throughout the weekend.

## Windows Preservation Seminar

The Landmark Society and the Cobblestone Museum will host an intensive 4-day historic wood window repair seminar **June 12-15**. A 1-day introductory seminar will also take place on June 16. The seminar will be led by window specialist and author of *The Window Sash Bible*, Steve Jordan. Participants will restore windows from the c.1850 cobblestone one room schoolhouse at the Cobblestone Museum. Complete details and registration will be available soon at [www.landmarksociety.org](http://www.landmarksociety.org).

## 2018 Fish Stocking Program

Erie County Soil and Water Conservation District's annual sale of Bass and Minnows to assist landowners with managing fish in their ponds will take orders until **June 18**. **Pick up June 30, 2018 at 10:00 am**. [Order Form](#)

## 2018 Legacy Cities Preservation Conference in Buffalo

Preservation Buffalo Niagara is thrilled that Buffalo will be hosting the next Legacy Cities Preservation Conference from **July 11th – 14th, 2018**. This will be the third biennial interdisciplinary convening of preservationists, community developers, economic developers, urban planners, urban policymakers, urban designers, and others. It will be an opportunity to collaborate, share ideas, and devise solutions for creating a more integrated approach to planning for the future of Legacy Cities, bringing historic preservation into urban policymaking, and crafting a 21st century preservation profession that is responsive to the needs and conditions of Legacy Cities and our diverse inhabitants. Check back for [more info](#).

## Cycle the Erie Canal Tour

Join us **July 8-15** for Parks & Trails New York's 20th annual [Cycle the Erie Canal tour](#). The tour offers an unparalleled opportunity to experience great cycling while taking in the rich history of the legendary canal that helped transform America. The tour offers an unparalleled opportunity to experience great cycling while taking in the rich history of the legendary canal that helped transform America. [Sign up today](#) to join over 600 cyclists ride across New York this summer along the historic Erie Canal, which is celebrating its 200th birthday this year.

## **Earth Spirit Expeditions-Guided Wildlife Tours**

Join Earth Spirit for one of their upcoming trips for summer or winter 2018. From **August 1-11**, they will lead a program in Wyoming for outdoor enthusiasts and are interested in backpacking adventures, fly fishing and field studies in the Rocky Mountain wilderness. From **August 14-24**, a Yellowstone National Park trip will share the ecological legacy of predation by large megafauna in Yellowstone National Park. There will be moderate hiking, fly fishing, wildlife observation and photography, exploring natural areas, historical sites, and nearby towns. They return to Yellowstone National Park from **December 8-17** for winter, observing wolves, wildlife and predation. Our nation's oldest national park is a place of exceptional beauty in winter and the wildlife viewing and photography is beyond belief. For more info, visit <http://earthspiritedu.org/>.

## **WNY STEAM Conference**

Educators and STEAM (science, technology, engineering, art and math) professionals are invited to submit proposals for a 50 minute workshop at the WNY STEAM Conference to be held **August 6** at Daemen College. Workshops will address arts integration, include real world connections and emphasize creativity and design. The conference brings K-12 educators together to learn more about STEAM and discuss best practices. Visit [www.edcowny.org/stem](http://www.edcowny.org/stem) for details and the link for online submission. This year's theme is "Building Buffalo and Beyond".

## **The Foundry Offers Hands-on Classes: Build your own Furnishings**

Want a new skill? The Foundry, 298 Northampton St. in Buffalo, offers artisan classes including glass blowing, leatherworking, upholstery and woodworking. To check out the full list of classes, [click here](#).

## **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 most currently needing restoration. Consider adopting one of the animals or contributing to the efforts of the project. For info, visit <http://buffaloheritagecarousel.org/>

## **DEC Conducting River Otter Surveys Throughout New York**

River otter (*Lontra canadensis*) surveys are underway throughout New York State. The survey period extends from the beginning of December until the end of March. DEC personnel conduct these surveys by walking along waterbodies looking for any sign of otter including tracks, scat, slides, and otter themselves! The photo shows DEC staff next to otter tracks and slides. The purpose of these surveys is to assess the current status of river otter in New York State, including within the recovery zone where otter were reintroduced in the late 1990s/early 2000s. DEC is also requesting that the [public report sightings of river otter](#), as well as bobcat, fisher, and weasel in Upstate New York and beaver, gray fox, weasel, mink, coyote, and skunk on Long Island and New York City.

## **Western NY Harmful Algal Bloom Summit Recording**

A [recording of the live stream](#) of the March 26 Western New York Harmful Algal Bloom (HAB) Summit evening session is available for viewing. This was the final of [four summits](#) held to guide the state's comprehensive effort to protect vulnerable lakes and waterbodies in Upstate New York from HABs.

## **Penn Dixie Publishes Official Field Guide**

Thanks to the New York State Geological Association, Penn Dixie is pleased to offer a digital version of their definitive guide — Penn Dixie Fossil Park & Nature Reserve: A Window Into The Devonian Period of Western New York. The guide appears in the 89th Annual NYSGA Meeting Guidebook — print copies may be [purchased](#). You may [download](#) the Official Penn Dixie Field Guide for educational use only.

### **Want to increase your sustainability practices at Work?**

We've all heard it before – “buy green products” – but what does that mean and how do I know if I am really purchasing an environmentally preferable product for my home or business? New York State agencies have taken a close look at what it means to buy truly green products and where to find them. They have developed criteria to purchase items that reduce harmful health and environmental impacts, minimize toxicity in packaging, and maximize recycled and renewable content. Check out the deep dive on everything from carpeting to lighting and from electric vehicles to office furniture at the [“Green NY”](#) website.

### **Database for Farmers Market Volunteers and Interns**

Many farmers markets use volunteers and student interns to help keep their markets running smoothly. Other markets wish they had a volunteer program to help manage and grow their market. But the thought of recruiting, training and supervising volunteers is daunting, often intimidating. Without a helping hand, these markets are missing an opportunity to make their markets more customer friendly, a more vibrant shopping experience; as well as a much more lucrative market for their vendors. The Farmers Market Federation of NY is offering you that helping hand! We are creating a database on our website of all market volunteer and internship opportunities throughout New York's farmers markets. The database will be promoted to colleges and communities across the state, encouraging them to match their interests with the opportunities found on the database. To create the database, we invite all markets to submit their volunteer and internship opportunities through a convenient web portal [here](#). The information provided will populate a spreadsheet that will be maintained on the Federation's website. We plan to publish the database by mid-January, so don't delay, get your information entered ASAP [here](#).

### **Local Manufacturing Plant Earned ENERGY STAR® Certification**

The U.S. Environmental Protection Agency (EPA) announced that 93 manufacturing plants earned ENERGY STAR certification for their superior energy performance in 2017. TreeHouse Foods (cookie and cracker baking) in Tonawanda earned recognition. The ENERGY STAR industrial program provides industry-specific energy benchmarking tools and other resources for 17 different types of manufacturing plants. These resources allow an industrial plant to compare its energy performance to others in the same industry and therefore establish meaningful energy performance goals.

### **New York's Got Fish**

New York has one of the richest and most diverse populations of fish in the nation. Over 165 fish species inhabit the state's 7,500 lakes and ponds and 70,000 miles of rivers. Learn more about these fish and where they can be found in the [Atlas of Inland Fishes of New York](#). Check out these [images of New York fish species](#) including many dating back to the late 1800s.

### **NYS Plastic Bag Task Force**

Across New York, residents use 23 billion plastic bags annually. A significant number of these bags make their way into the environment causing litter and damaging wildlife, which can be seen within our waterways, along our streets and in our oceans and lakes. The New York State Plastic Bag Task Force generated their [final report \(PDF\)](#) with an analysis of the impacts of single-use plastic bags and several options for legislation that could help develop a statewide solution to the problem

## **Electronics Recycling: Collection Events**

SunKing has residential electronic collection events throughout the upstate NY area throughout the year. You can view the first half of 2018's schedule at [https://www.sunking.com/consumer-business/events/!](https://www.sunking.com/consumer-business/events/)

## **NY-Sun Solar Guidebook and Technical Assistance for Local Governments**

NYSERDA launched the [NY-Sun Solar Guidebook for Local Governments](#) which includes updates to the NYS Unified Solar Permit and guidance on the New York State fire code, along with other practical info to aid local officials. Does your town need an expert's opinion on a solar question? Local governments can access free training and technical assistance from NYSERDA's NY-Sun Photovoltaic Trainers Network (PVTN). The PVTN offers in-person [trainings](#) for municipal officials statewide and a set of [online resources](#) about solar energy.

## **Hybrid Solar Cell Captures Energy from the Sun and Raindrops**

Solar cells, devices for converting light into electricity, have a dramatically reduced performance on rainy days. A recent development features an energy harvesting structure that integrates a solar cell and a triboelectric nanogenerator (TENG) device which realizes power generation from both sunlight and raindrops. A heterojunction silicon (Si) solar cell is integrated with a TENG by a mutual electrode of a poly(3,4-ethylenedioxythiophene):poly(styrenesulfonate) (PEDOT:PSS) film. The hybrid energy harvesting system integrated electrode configuration can combine the advantages of high current level of a solar cell and high voltage of a TENG device, promising an efficient approach to collect energy from the environment in different weather conditions. <https://pubs.acs.org/doi/abs/10.1021/acsnano.8b00416>

## **Project Sunroof**

Are you curious about how much solar could be generated by your roof? Now you can use Google Earth imagery to analyze your roof shape and local weather patterns to create a personalized solar plan. Check it out [here](#).

## **Reuse Action in Action: Source for Reusable Materials**

Reuse Action helps deconstruct buildings to return building materials to the supply chain. Check out the video [here](#) for their recent work. The store will also take your used furniture, cabinetry or building supplies. Don't send them to the landfill, donate them to Reuse Action. Check out their website at [www.reuseaction.com](http://www.reuseaction.com), call the store at 716-894-3366, or stop by 980 Northampton Street. Profits from sales put people to work!

## **Food not Bombs**

Buffalo Food Not Bombs prepares shares a free vegan meal with anyone who is hungry at Lafayette Square on Mondays and Saturdays from 1 to 2 p.m. Volunteers are ALWAYS welcome! Food Not Bombs shares food as a form of political protest, drawing attention to the fact that society fails to provide food and housing for all people, while hundreds of billions of dollars are given to fund wars and state violence. For info, [foodnotbombs](http://foodnotbombs)

## **Local Food Buyer Learning Center**

Farm to Institution New York State (FINYS) has created a new 'Local Food Buyer Learning Center' to support institutions in starting or growing their purchases of food grown in New York. The Buyer Learning Center will initially provide modules from a 'Local Food Buyer Toolkit' with additional tools and educational opportunities being added in the future. <https://finys.org/blc>



## **New Opportunity to Join the iMapInvasives Certified Trainers Network!**

Are you interested in learning more about iMapInvasives which is a statewide effort to combat invasive species? Did you miss the first round of trainings? Now is your chance, register to join us! Each training webinar will last approximately two hours with time for discussion throughout. The training will include a walk-through of the iMapInvasives website, observation database and steps for hosting a training. Webinar registration is limited to create a more inclusive environment. More information can be found at the [Certified Trainers Network](#).

### **Braddock Bay Bird Training**

Braddock Bay Bird Observatory is pleased to offer an Advanced Molt Workshop, running from the afternoon of Saturday July 21 through the morning of Wednesday July 25, 2018. This workshop is aimed at banders who are currently involved with or who are considering opening MAPS stations, and at migration or project-based banders who desire a better grasp of molt and other aging techniques. Their Fall Banding Workshop will offer a Banders' Training Course which will be taught from Monday September 24 to Sunday September 30, 2018. Workshops fill up early, so register if interested. [Info](#)

### **Hemlock Woolly Adelgid Educational Video**

The New York State Hemlock Initiative is sharing an educational video to inform the public about their efforts to conserve New York State's hemlock resources in the face of multiple threats, particularly that posed by an invasive pest, the Hemlock Woolly Adelgid. Mortality due to Hemlock Woolly Adelgid (HWA) in New York has increased at an alarming rate recently. For info, visit [here](#). View video at <https://www.youtube.com/watch?v=AupnMjYaIQQ>.

### **Free Online Course About Orchids**

Longwood Gardens is offering a free online course called "[Everything About Orchids.](#)" You can join this online course anytime. It is self-paced. Learn through video lectures, discussion forums and opportunities for interaction with the instructors.

### **Current NY Environmental Bills List**

Every week during the New York State Legislative Session, Environmental Advocates of New York reviews all of the bills introduced in legislative committees or on the floor of the State Senate and the Assembly. They then issue a memo that summarizes the legislation and describes our position on measures with significant environmental impact. If you would like to sign up for this listing, you can see the status of New York State legislation and can take action on those that are important to you. <http://www.eany.org/our-work/bill-ratings>

### **Climate Change and Spread of Diseases Map**

Curious about how climate change is going to affect diseases where you live? [Check out \*The Revelator's\* new interactive "Climate Gone Viral" map.](#)

### **Native Fish Species Now Protected**

The New York State Department of Environmental Conservation (DEC) is asking anglers and outdoor enthusiasts to report Paddlefish sightings in State waters. The Paddlefish is native to southwestern New York, but disappeared from the state over a century ago due to dams and pollution in the area and it is now protected. DEC began a stocking program in 1998 to restore this species to the Allegheny Reservoir and to Chautauqua Lake and Conewango Creek of the Jamestown area. Two of the fish species have been caught in the Jamestown area in the last two years. DEC is now asking for the public's help with the State's recovery efforts by reporting the location, date, nearby landmarks, approximate length and if deceased freeze the anterior 6" of the snout which could allow biologists to determine the age or stocking history of the fish. To report a sighting please email [fwfish6@dec.ny.gov](mailto:fwfish6@dec.ny.gov) or call [716-379-6374](tel:716-379-6374).

## Fall Case Studies in Science Workshop

Registration is open for our Fall Case Study Teaching in Science Conference, **September 21-22, 2018**, in Buffalo, sponsored by the National Center for Case Study Teaching in Science, at the Buffalo Marriott Niagara. Our conference offers sessions for both the beginner and advanced case study teacher and is formatted for college and high school teachers. Mary Pat Wenderoth, Principal Lecturer, Department of Biology, University of Washington, Seattle, WA, will present on the “End of Lecture: The Future of Evidence-Based Teaching.” Workshop sessions this year will cover teaching cases in large lecture courses, integrating case studies with undergraduate research, the role play case method, analytical chemistry and case studies, using PORTAAL to assess active learning and more! See below for a full listing of workshop sessions and other information. The conference is open to anyone interested in case study education, including high school teachers and international teachers. It also includes a poster session and we would be pleased if you submitted a proposal by September 5, 2018. [Register](#). New this year is a one-year subscription to our case study collection teaching notes and answer keys, included in the registration fee.

### The Adventure of a Lifetime

by Jonathan Roth – Earth Spirit Educational Services, Inc.

You'll never forget the first time you hear a wolf howl echo through the wilderness. The haunting, powerful note rings your ears and fills your soul.

Wilderness is a place that humans have feared, avoided, celebrated, and revered throughout history. The early Europeans looked at the wilderness of the “New World” as a place of mystery, demons, and danger. Many didn't understand or recognize the beauty and importance of these wild places, so they sought to tame them, pacify them. Some understood these remote locations and revered them as places of respite and reflection. Among the first Europeans to visit the remote wilderness areas of northern New York for pleasure was a man by the name Francoise-Rene de Chateaubriand. Upon the completion of his five-month winter trip through the forests of New York he concluded: “in vain does the imagination try to roam at large midst [Europe's] cultivated plains...but in this deserted region the soul delights to bury and lose itself amidst boundless forests... to mix and confound...with the wild sublimities of Nature.”

Spending time amongst the wild creatures, vast landscapes, and unforgettable sunrises in Yellowstone National Park has been a life changing experience for me. In my life I have been fortunate enough to have spent time in some remote and wild places such as Algonquin Provincial Park, the Adirondack Mountains, Everglades National Park, and more, but my first experience with Yellowstone left me in awe.

Upon crossing through the famous Roosevelt Arch entering the park, one notices the high mountain peaks in the distance and the vast open sagebrush plains around them. The drive into the interior of the park is a windy one as the road snakes through tight crevices and along precipitous drops on its way toward what is referred to as the Serengeti of North America, the Lamar Valley. Earth Spirit's Yellowstone excursions take visitors to this famous land once roamed by Teddy Roosevelt himself as he considered the preservation of other such places in his early years as President. The trips are focused on wildlife watching, photography, and experiential learning, and participants are encouraged to relax and have fun as well. Since the wolf was reintroduced in 1995, the landscape of Yellowstone has changed into a more balanced and healthy place where wildlife of all kinds can be readily observed. With a close connection to the Yellowstone Wolf Project, Earth Spirit's trip leaders can locate wolves and other animals in a way that few are able resulting in a unique experience that can't be duplicated. Though somewhat physical, the trips themselves are not rough ones as participants stay in beautifully furnished cabins just outside of the park's entrance in a town called Silver Gate, MT. Food is divine, the people are wonderful, and the views are breathtaking. This is truly a place where one can bury and lose themselves amidst the boundless forests.

If you are seeking a trip to remember, a trip full of adventure, an experience like none other, please consider joining Earth Spirit on their next Yellowstone Excursion this **August 14-24**. Spots are limited, so please register today by calling [\(716\)941-6267](tel:7169416267) or by visiting [earthspiritedu.org/excursions](http://earthspiritedu.org/excursions).

## Teacher's Resources

[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 others.

[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-NPN'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 Critiques](#)-In this unit, students design, build, and test solar ovens. They critique and refine their own oven, as well as their peers' designs. Students learn about how energy is transformed from solar radiation to heat and infrared radiation. They use an interactive simulation to extend the design process. They test their ovens using heat lamps, and use a budget to constrain their design. The budgeting activity helps students consider trade-offs in the design. They evaluate each material they use with regard to their goal. Students go through two iterations of designing, building, and testing. Between the two iterations, student groups critique each other's ovens. During the second iteration, students engage in self-critique of their ovens prior to re-design.

[Conservation Connect](#) is a web-based 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 16-22 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).

[FoodSpan](#) is a free, downloadable curriculum that provides high school students with a deep understanding of critical food system issues, empowers them to make healthy and responsible food choices, and encourages them to become advocates for food system change.

[Climate Change and the Water Cycle: Four Big Questions Answered](#)-Free e-book. Dramatic changes to our planet like glaciers calving into the sea and record-setting temperatures make front page headlines around the world. But while other disruptions caused by the climate crisis – such as the transformation of our planet’s water cycle – are a little less immediately striking, they can be even more profound and far-reaching. The consequences can also seem confusing and contradictory. How is it even possible that climate change increases our risk of both heavy rains and extreme droughts?

[PollinatorLIVE: A Distance Learning Adventure](#)- resource that aims to meet national science education standards and promoting conservation action through education. PollinatorLIVE has lesson plans, web seminars, and information to increase the understanding of pollinators and their importance.

[Nature's Lights](#) explores how light is essential in the natural world, and how and why animals that live in the dark produce light via bioluminescence so that they can find food and communicate with others.

[Guess the Pollinator](#) is a fun creative activity which teaches students that certain animals have preferences for a flower type, color, shape or smell. Using the Coloring Sheets, students will colour in a chosen flower, then use the facts written underneath to match their flower up with its pollinator.

[Design a Flower](#) teaches students about what pollination is and how it happens. Using what they learned, students will then receive a card with a specific pollinator on it and will be asked to design the perfect flower for them.

[Seeing Red](#) teaches students about frequencies of light and how different colored light is absorbed or transmitted by colored filters. They will also discover how some animals use bioluminescence and color perception to outsmart prey.

[Materials Science and the Problem of Garbage](#)-Equip students to make informed choices about materials use and disposal with a series of lessons in which they investigate the technological and engineering ingenuity involved in making materials—and also the environmental ramifications.

[Water Agriculture Sustainability](#)-InTeGrate provides this three to five-week module that provides a framework for students to learn about how people interact with water, peer into our water future, and consider ways we might foster more sustainability in water management. After assessing our major water challenges, the module has students learn about the concepts of water sustainability, virtual water trade, and water footprints. The focus then turns to the interplay between agriculture and water resources, as agriculture has the greatest impact on freshwater consumption and quality.

[Remember the Rainforest](#)-free resources for K-12 with images of rainforest ecosystems for awareness.

[Cornell Webinars](#) -Our free webinar series covers topics like bird-friendly gardens and bird communication.

[Book Guide for On Bird Hill](#)- Our free guide for grades K–2 turn [this charming book](#) into lessons in science, art, math, and literacy.

[Edible Learning Lab](#)-curriculum allow kids (K-12) to manage the food production process from "Lab to Table".

[PLT Online Professional Development for GreenSchools](#)-6 learning hours of professional development for formal and informal educators.

[Green Schools Membership](#)- Free for Teachers, educators, students, and administrators. Access to lots of resources.

[Greening STEM](#) -infographics, toolkits, activity guides, and video resources contain free educational material in popular environmental topic areas that incorporate elements of STEM. Many of the activities and resources include project-based learning, service-learning, and citizen science components.

[Flipside Science](#) is a youth-powered series that tackles complex environmental topics and empowers viewers to make a difference. This engaging and upbeat collection of videos, hosted by California Academy of Sciences youth, explores how local communities are addressing environmental problems.

[Sustainability in Schools Simulation Game](#)- The Education for Sustainability program has designed a simulation game to show how to identify sustainability related projects that make financial sense and weave them together into a coherent strategy that takes advantage of synergies. It also shows how to use those projects in curriculum.

[Cool Science Jobs](#) provides real stories about “cool” jobs using science to help inspire the next generation. They also include vocabulary and can be used as mini-lessons in the classroom.

[Keep Wild Animals Wild](#) lesson plans, videos and worksheets provide everything educators need to introduce students to what makes wild animals wild, why wildlife trade is a big threat not just to animals and ecosystems, but to people too, and how to help keep wild animals wild.

[Black bear curriculum](#) - provides of free multimedia resources on black bears for educators and students.

[12 Pathways to Greening Your School](#) is designed for you to use September - June (1-10) with two serving as year-round learning tools. But, you can put them in any order that aligns with your program. If you'd like to have access to all of these Pathways please become a [FREE MEMBER NOW!](#)

[Faces of EPA](#)-Learn about careers in the EPA and get to know EPA staff. The videos spotlight employees ranging from special agents, to ocean explorers, and others as they explain their career paths and passion for their work.

[Project Localize](#) is a customizable curriculum to explore sustainability locally while building knowledge and skills in research, math science, digital technologies, and art through project-based learning. Students participate in field trips to visit local food producers as they employ journalistic practice in gathering the information for their artwork.

[Dr. Seuss's The Lorax activity book](#) is one of EPA's most highly sought after publications and is available for free to schools and classrooms around the country.

[Raptors in the City](#) is a real-time, inquiry-based science program that stars the peregrine falcon. The peregrine has recovered from near extinction and was removed from the Endangered Species list in 1999. The program guides children through nesting season as they watch the still rare falcons live via cameras mounted on a skyscraper.

[Getting the Picture: Our Changing Climate](#)-The adventures of scientist-photographer James Balog and the Chasing Ice team come to life in a newly released climate science education resource which provides a unique, interactive, multimedia experience for students and educators to learn about the latest climate science and witness real-world changes occurring around the world.

[SMILE: New STEM Activities for Educators](#) is an award-winning, free access collection of nearly 4,000 STEM education activities. Many activities are grouped by topics with environmental themes including energy, climate, life sciences, and ocean literacy. Activities are also aligned with standards and principles such as the Climate Literacy Principles, Ocean Literacy Principles, and U.S. DOE Energy Literacy framework.

[Free ArcGIS for K-12](#) -Esri is providing free ArcGIS Online subscriptions for use for all K-12 schools. Resources to help schools get started with ArcGIS Online are available [here](#).

The [CLEAN](#) (Climate Literacy and Energy Awareness Network) collection is a searchable database for teachers to find online activities, videos, and graphics on climate and energy education. Teachers may sign up for the newsletter with updates on educational policies, discussions with experts, events, and weekly telecons.

["Appetite for Adventure: Exploring Global Food Sustainability"](#) - This standards aligned, multimedia presentation will showcase cutting-edge sustainable food projects from around the world, introducing students to the local and global connections between food production, consumption, and climate change.

[Architecture 2030](#) is appropriate for Grades 9-12. Learn about this architect's efforts to protect the environment by changing the way buildings are planned, designed, and constructed.

[Affordable Green Housing](#) is designed for Grades 9-12 to consider the role habitat plays in fostering diverse, vibrant social structures in well-designed, integrated communities.

[Bird Sleuth](#) for K-12. Kits and resources for learning more about birds.

## Contests and Awards

[The Gloria Barron Prize for Young Heroes](#) honors outstanding young leaders ages 8 to 18 who have made a significant positive impact on people, their communities, and the environment. Each year, up to 20 winners each receive \$10,000 to support their service work or higher education. <http://www.barronprize.org/>. Deadline: **April 15**.

[Power of Children Awards](#) celebrate young people in grades 6-11 who help to make the world a better place. Each award recipient will receive: a \$2,000 grant to continue his or her extraordinary project, a partial four-year post-secondary scholarship to a participating institution of higher learning, recognition in the museum's The Power of Children exhibit for at least one year, and recognition during a special awards event at The Children's Museum of Indianapolis on November 10. Deadline: **April 15**

[Picture This Global Short Film Competition](#)-Filmmakers and changemakers, submit your story about a positive, hopeful future for people and our planet. You could win prizes, including a trip to Hollywood! In your creative short film (1-8 minutes), incorporate a theme from one of the Sustainable Development Goals and inspire audiences to take action. Deadline: **April 30**

[The Biomimicry Global Design Challenge](#) is an annual team competition that focuses on addressing critical sustainability issues with nature-inspired solutions. This year's focus is on climate change. Deadline: **May 1, 2018**.

[Conservation X Labs](#) (CXL) is seeking bold ideas for technology solutions to conservation challenges. Aimed specifically at projects teams that are preparing their first prototype, the Con X Tech Prize could provide a \$3,500 grant to take your idea from blueprint to reality. CXL is seeking novel and transformative tools to conserve the world's biodiversity and end human-induced species extinctions. We want to put these tools in the hands of natural resource managers and conservation agents around the world. We will support ideas that help decision-makers, consumers, and policy makers understand and act on conservation problems. Funding a working prototype is just the beginning. First round grantees will have the opportunity to enter the prototype of their solution in the second stage of the grant competition, that features **\$20,000** in awards. Deadline: **June 12, 2018**.

[Marine Science Call for Papers Competition](#) is a competition for high school and college undergraduate students to showcase meaningful research projects related to marine science, marine industry, or marine technology. Deadline: **September 1**.

## Grant and Scholarship Opportunities

[NOAA Environmental Literacy Grants](#)- to support locally-focused environmental education projects that increase public awareness and knowledge about environmental and conservation issues and provide the skills that participants in its funded projects need to make informed decisions and take responsible actions. Deadline: **April 11, 2018**.

[NOAA Ocean Acidification Graduate Research Fellowship](#)-The overall goal of this fellowship is to develop ocean acidification (OA) researchers who can respond rapidly to the anticipated ocean acidification in the Mid-Atlantic region. This two-year fellowship provides hands-on experience in translating research results to coastal and marine stakeholders through a professional mentor and offers unique professional development training opportunities. While supporting other exceptional graduate students already engaged in education and research that furthers the goals of the MASGP and OAP, the Ocean Acidification Graduate Research Fellow will address issues relevant to coastal ecosystems and communities related to coastal and ocean acidification in order to improve understanding of the potential ecological consequences of increasing carbon dioxide concentration in regional coastal waters. Deadline: **April 13, 2018**.

[Green Stormwater Infrastructure Community Outreach and Education Grant Opportunity](#)- will fund innovative strategies that engage and educate residents in green stormwater infrastructure projects happening in parks. Deadline: **April 13**.

[NY Ocean Action Plan Call for Research 2019-2021](#)-pre-proposals accepted for this DEC and NY Sea Grant program. Deadline: **April 16, 2018**.

[Ben & Jerry's Foundation Grassroots Organizing for Social Change Program](#) offers general or project support to non-profit grassroots, constituent-led organizations across the country that are using direct action, grassroots community-organizing strategies to accomplish their goals. Proposals should align with the Foundation's broad interests in social justice, environmental justice, and sustainable food systems. They fund organizations with budgets of \$500,000 or less. Grant awards are up to \$20,000 for a one-year period. Deadline: **April 18**.

[Green School Grants](#)- NYSAR3 established a grant program for public and private schools Grades K-12 in 2005 for the purpose of providing seed, or start-up money for recycling/waste reduction programs in public and private schools. Since that time, 80+ NYS schools and/or school districts have benefited financially from the program, to say nothing of the environmental benefits achieved by instituting recycling/waste reduction programs in these schools. This grant provides up to \$500 per school to rejuvenate existing programs or to develop new programs centered around the 3 R's (reduce, reuse, recycle). Awards will be made twice yearly; this is a competitive grant so imagination, ingenuity and initiative are valued. Deadline: **April 20**.

[Great Lakes Protection Fund Supports Innovative, Action Oriented Projects](#)-The fund is looking for project teams that will try something new, engaging people who have never likely teamed up before, and build solutions that makes better sense to everyone. Showing how these strategies can be done, in real places, is more powerful than desktop research, policy analysis, or planning activities alone. If you want to explore an idea—even if it may not seem to fit with this request—or discuss a potential project, contact Simon Bélisle, Project Development Manager, at 847-425-8193 or email [startaconversation@glpf.org](mailto:startaconversation@glpf.org). Conversations are encouraged in advance of submitting preproposals. Three page preproposals are due by 8:00 AM, **April 23, 2018**.

[Toyota Every Day Capacity Building Grants](#)- Up to \$5000 for 25 Public Lands Friends' groups in each cycle. Projects that are needed and will help contribute to the long- term sustainability of the organization. Deadlines: **April 23 and other dates later in the year**.

[EPA Pollution Prevention Assistance](#)- grant competition to fund two-year Pollution Prevention assistance agreements for projects expected to be performed in each EPA region that provide technical assistance and/or training to businesses/facilities to help them adopt source reduction approaches (also known as "pollution prevention" or "P2"). P2 means reducing or eliminating pollutants from entering any waste stream or otherwise released into the environment prior to recycling, treatment, or disposal. In keeping with the Pollution Prevention Act of 1990, EPA is encouraging P2 because implementing these approaches can result in reductions in toxic pollutants, the use of water, energy and other raw materials, while also lowering business costs. Deadline: **April 26**.

[Earth Savers Club Grants](#)- Greening Forward, the largest student-driven environmental organization in the country, and the New York City Department of Education's Office of Sustainability will host the fifth annual [International Young Environmentalists Youth Summit](#). Students and mentors will gather under one roof to cultivate ideas and learn about what youth can do at the forefront of the environmental movement. In addition to the knowledge and skills learned at the conference, Greening Forward will provide an opportunity for youth to take real action after its completion. Through the grants, Greening Forward will provide funding and guidance to several youth projects that are spurred by the teachings at the conference; This funding can be used to carry out environmental projects that benefit both local communities and the personal growth of the students taking part. **Deadline: April 30.**

[New York Great Lakes Basin Small Grants Program](#)-These grants support eco-based recreation and tourism projects. Proposed projects must use a complete ecosystem-based approach rather than a single issue or single species focus, incorporate stakeholder participation, and address key priorities in the New York Great Lakes Action Agenda. Eligible projects may include planning, design, implementation, information management tool development, demonstration projects, and targeted educational outreach. **Deadline: May 1, 2018.**

[Horticulture scholarship](#) available to student in Erie, Niagara County offered by Amherst Garden Club (\$1,500) s to a student in Erie or Niagara County planning to study horticulture, urban design or related fields. **Deadline: May 1.**

[Higher Education Challenge Grants Program](#)-Projects will: (1) address a state, regional, national, or international educational need; (2) involve a creative or non-traditional approach toward addressing that need that can serve as a model to others; (3) encourage and facilitate better working relationships in the university science and education community, as well as between universities and the private sector, to enhance program quality and supplement available resources; and (4) result in benefits that will likely transcend the project duration and USDA support. **Deadline: May 7, 2018.**

[Wells Fargo Clean Technology and Innovation Grant Program](#) funds projects and programs related to research and development for new and emerging clean technologies by working with universities, colleges, research institutes and laboratories as well as entrepreneur incubator, accelerator and business plan competitions. If you would like to submit a topic for consideration provide a brief description (150 words or less).

[Project Produce: Fruit and Veggie Grants for Schools](#)-designed to help increase kids' access to fresh fruits and vegetables and create experiential nutrition education when and where students make their food choices: in the cafeteria. The \$2,500 one-year grants support food costs to incorporate school-wide fruit and vegetable tastings into the school's nutrition program. Grants will be determined on an ongoing basis depending on available funding.

[Industrial Hemp Processing Grant Fund](#)-New York State has also allocated up to \$5 million for grants for machinery and equipment required to process industrial hemp for commercialization in New York. Grants may provide a minimum of \$50,000 and a maximum of \$500,000 for up to 50% of total project costs supporting capital investments. To be eligible, the facility must be located wholly in New York State which processes industrial hemp for commercialization.

[NIEHS Conference Grants](#)-The mission of the National Institute of Environmental Health Sciences (NIEHS) is to discover how the environment affects people in order to promote healthier lives. The NIEHS Conference grant program is considered an integral part of the overall mission of the Institute; thus it is critical that all conference grant applications have a direct relationship to advancing the mission of NIEHS. In order to be responsive, all conference grant proposals must focus on or clearly indicate relevance to advancing our understanding of the role of environment and/or gene-environment interactions in disease/dysfunction. **Deadline: Rolling.**

[Youth Pollinator Gardens Grant](#)- up to \$200, are available for projects that include educational materials on the vital role pollinators play in nature and youth involvement in planning and planting gardens providing nesting and food sources for pollinators. Youth will learn the importance of providing appropriate food sources, nesting areas, shelter, and practicing sustainable gardening practices for pollinators by planning, planting, and maintaining these pollinator gardens. To apply for a grant, complete an NGC Grant Application, provide detailed information about the project, and submit your request to the NGC Youth Committee Chairman for approval.

[The Karma for Cara Foundation](#) is encouraging kids 18 and under to apply for funds between \$250 and \$1,000 to complete service projects in their communities. **Deadline: Rolling.**



[Cornell Douglas Foundation](#)- Its mission is to provide small grants to organizations which promote the vision of the foundation: advocating for environmental health and justice, encouraging stewardship of the environment, and furthering respect for sustainability of resources. **Deadline: Rolling.**

[Saving Species](#)- We help local conservation groups purchase land for conservation and habitat restoration, and may consider projects for restoration of habitat on land that is within an existing protected area. We maximize our effectiveness by providing grants for the purchase and restoration of land that connects existing habitat fragments, or that prevents isolation of habitat that would otherwise continue due to habitat loss. **Deadline: Rolling.**

[Cedar Tree Foundation](#)- Letters of Inquiry Accepted at Any Time. Areas: Environmental Education, Environmental Health, Sustainable Agriculture.

[VolunTEEN Nation International Service Project Grants](#)- Students (ages 13-22) from the US going abroad to volunteer or study in a developing country are encouraged to apply for an international service-learning mini-grant. Grants are for up to \$300 to create a service project in a developing country while you are visiting that country. **Deadline: Rolling.**

[KEEN Effect](#) is committed to inspiring responsible outdoor participation to help preserve the places we all play. Through the KEEN Effect, \$10,000 grants are awarded to nonprofit organizations around the world who are dedicated to responsible outdoor participation. Projects must increase responsible outdoor participation as a way to work towards building a strong community. **Deadline: Ongoing.**

[Everyday Young Hero Award](#)-Everyday Young Heroes are young people, ages 5-25, who are improving their communities through service to others and making significant progress in achieving the UN's Sustainable Development Goals (SDGs). Each week, YSA selects one young person to receive this honor and receive \$250 grants to continue and expand their project. **Deadline: Rolling**

[The Fruit Tree Planting Foundation](#) is dedicated to planting fruitful trees and plants to alleviate world hunger, combat global warming, strengthen communities, and improve the surrounding air, soil, and water. FTPF programs strategically donate orchards where the harvest will best serve communities for generations. **Deadline: Rolling.**

[Doris Duke Environment Program Grants](#) -For Nonprofits registered and working in the US. Permanent land protection (i.e., the acquisition of conservation easements or fee title interests to secure high-priority sites), management of lands already in protected status, and more. **Deadline: Rolling.**

[WalMart Community and Education Grants](#) . Rolling Deadline, but minimum 6 month lead time advised. 501 (c) (3) organizations, schools, religious organizations and government agencies for requests over \$250. For requests under \$250, get a local donation form from your nearest Walmart at the customer service desk.

[Environmental Research and Education Foundation](#). Open. All educational materials for sustainable solid waste management, including conferences or events, which advance the foundation's educational mission. Grants are typically not provided to support the development of educational projects.

[Toshiba America Foundation](#). Rolling deadline. Grades 6-12 Teachers. Under \$5,000. Inquiry based projects designed by teachers and teacher teams for use in the classroom. Deadline for grants over \$5,000 is August 1.

[KaBOOM! Let's Play Engineered Wood Fiber Surfacing Grants and Let's Play Maintenance Grants](#)- awards grants of \$750 each to communities who wish to top-off their Engineered Wood Fiber safety surfacing or who are working to make their existing playgrounds cleaner, safer and more inviting. Rolling deadlines.

[J-Serve Start-Up Grants](#)-J-Serve is the International Day of Jewish Youth Service. Grants are available for \$500 micro grant to communities that plan and execute projects that bring a minimum of 10 and maximum of 74 Jewish teens together in partnership with a least two movements or agencies in the community. Rolling deadline.

[Niagara Falls National Heritage Area](#) supports important projects and programs throughout the National Heritage Area with the long- term goal of realizing community betterment. Grants are targeted to fund projects or programs that directly relate to the [Niagara Falls National Heritage Area Management Plan](#).

[World We Want Foundation](#) is accepting applications from organizations that represent youth making positive social change in their communities and around the world. Grants of up to \$5,000 will be awarded to youth between the ages of 13 and 25 who want to make a difference. Application deadline: Rolling.

[The Coca-Cola Foundation](#) partners with nonprofits that address priorities focusing on one of the following: Water Stewardship, Healthy and Active Lifestyles, Community Recycling and Education. Rolling deadlines.

[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. Applications are currently being accepted for the Healthy Homes Initiatives, Transportation and the Built Environment Initiative and the Healthy Food Initiative. 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 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 non-profit 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.

[The Pollination Project](#) seeks to unleash goodness and expand compassion all over the world. We make daily seed grants to inspiring social change-makers who are committed to a world that works for all. We support passionate, committed people with an early-stage social change vision. We fund individuals and community groups, and you do not need to be a registered or established organization to apply.

[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 habits through conservation, restoration and beautification, and environmental education. Deadline: **Rolling**.

[Disney Conservation Fund: Rapid Response Grants](#)—Nonprofits and academic institutions located in the US. Projects which help animals during emergencies and natural disasters through its Rapid Response Fund. Deadline: **Rolling**.

[Patagonia Environmental Grants](#)- We are most interested in making grants to organizations that identify and work on the root causes of problems and that approach issues with a commitment to long-term change. Because we believe that the most direct path to real change is through building grassroots momentum, our funding focuses on organizations that create a strong base of citizen support. Deadlines: **April 30 and August 31**.

## Employment and Internship Opportunities

[Assistant Environmental Engineer](#), Trainee, NYSDEC-Buffalo office. Deadline: **April 6, 2018**.

**Invasive Species Management Stewards** - Mid-late May to late August (14 weeks) at Niagara Region State Parks.  
Jillian Harris FORCES Program Specialist - Niagara Region New York State Office of Parks, Recreation, and Historic Preservation Email: [Jillian.Harris@parks.ny.gov](mailto:Jillian.Harris@parks.ny.gov) Deadline: **April 6, 2018**.

[Assistant Environmental Engineer Trainee \(2<sup>nd</sup>\)](#)- NYSDEC-Buffalo office. Deadline: **April 13, 2018.**

[Buffalo Niagara Waterkeeper Summer Internships](#)- Deadline: **April 18, 2018.**

[Seasonal Buffalo Zoo Positions](#)-Include Exhibit Supervisor, Animal Care Specialist, Summer Zoo Camp Assistants. Positions vary in length.

[Vegetable Crops Specialist](#)-This position is part of the Cornell Vegetable Program, a Cornell Cooperative Extension Regional Agriculture Team that serves the commercial vegetable, greenhouse, potato and dry bean industries in 13 counties in central and western, NY. The team website is available at <http://cyp.cce.cornell.edu/>. **The position will be housed at Cornell Cooperative Extension of Erie Co. in East Aurora, NY.** Deadline: **April 30th.**

[Team Manager- Excelsior Conservation Corps \(ECC\)](#) is looking for a to supervise seven staff and up to 50 members working on environmental stewardship projects in other parts of the state. The ECC, an AmeriCorps program, trains New York students between the ages of 18 and 25, to work on environmental stewardship projects that protect natural resources on public lands. Optional onsite housing.

[Buffalo LISC Executive Director](#)- will provide the strategic direction and guidance for all aspects of LISC's future program vision and strategies in Buffalo.

[Voice Buffalo Community Organizer](#)- VOICE is faith-based community organizing project dedicated to building the civic capacity of ordinary people and equipping them to address social, racial, and economic justice issues through leadership development, negotiation, direct action and coalition building. VOICE is a multi-racial and multi-faith federation of over 50 member congregations and community organizations from Buffalo and Erie County. Our current organizing work includes creating alternatives to arrest and decreasing mass incarceration, creating greater workforce diversity and ownership of businesses from People of Color, addressing economic disparities, and working to improve the quality of life for Buffalo residents. Deadline: **Open until filled.**

[Aquarium of Niagara Internships](#)-Opportunities for high school or college students to work with marine mammals, fish, penguins and turtles. Certain requirements must be met.

[Clean Air Coalition Internships](#)-The Clean Air Coalition is a grassroots environmental health and justice organization based in Buffalo, New York. All internships include some operations and administrative work. The Clean Air Coalition's internships are ideal for highly motivated individuals looking to deepen and practice their skills engaging community leaders in solving environmental health and justice organizations.

[Service Collaborative of Western New York Vista Positions/Americorps](#)-Opportunities for paid community involvement. Check out the available opportunities and eligibility. Some positions are summer only, so apply now.

[Sustainable Initiatives Manager at RIT](#)-Fifty percent of this job will be developing and implementing behavior change programming that will engage campus stakeholders in RIT's sustainability and conservation goals. The other fifty percent of this position will be providing administrative support to the senior sustainability advisor including management of budgets, communication platforms, coordination of event logistics and meetings, student supervision, development of visual programming materials, and data collection for STARS and other sustainability reports.

## Citizen Science

[Hemlock Woolly Adelgid Project](#)-Take closeup pictures of hemlock trees and fraser firs and send to scientists with GPS location data to monitor tree health and spread of the insect. Throughout February, representatives from the Roger Tory Peterson Institute (RTPi), Jamestown Community College (JCC) and Chautauqua Watershed Conservancy (CWC) will collaboratively survey a number of sites within our area for the presence of HWA, and they are looking for volunteer 'Citizen Scientists' to contribute to these important efforts. Visit our [website](#) for the complete survey

[Ticks and Project Acari](#)- a new citizen science project tracking tick disease. We are studying the ticks themselves, as well as how other factors, like climate change and the tick's microbiome, may affect the risk of tick diseases. Ticks carry over 20 different known diseases that affect hundreds of thousands of humans and our pets, and there may be more we haven't discovered yet. As global temperatures rise, these diseases are spreading. You can help! Send us the ticks you find in your neighborhood. By testing the DNA of ticks from across the United States, we can build the most complete map yet of how these diseases are affecting ourselves and our pets. To find out more, and to get a free, easy-to-use kit, please visit [www.projectacari.org](http://www.projectacari.org).

[Bumble Bee Watch](#) is a collaborative effort to track and conserve North America's bumble bees. Individuals upload photos of bumble bees to start a virtual bumble bee collection; Identify the bumble bees in your photos and have your identifications verified by experts; Help researchers determine the status and conservation needs of bumble bees; Help locate rare or endangered populations of bumble bees; Learn about bumble bees, their ecology, and ongoing conservation efforts; and Connect with other citizen scientists.

[Caterpillars Count!](#) is a citizen science project that measures the seasonal variation and abundance of arthropods like caterpillars, beetles, and spiders found on the foliage of trees and shrubs in an effort to answer important questions about patterns of food availability for birds. Researchers are using the data collected in *Caterpillars Count!* to help determine if plants, insects and birds are all responding to ongoing changes in climate to the same degree. If either insects or birds are not keeping up with phenological shifts of the other organisms that they depend on, then further climate change may have negative consequences for their populations.

[Project BudBurst](#) involves citizens in monitoring the times when different plants bloom regionally and from year to year. These data aid in understanding climate change effects on our plants and how it may impact organisms that feed on these plants (including us).

[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 help conserve amphibians by reporting data on the calls of local frogs and toads.

## Upcoming Community Activities:

### Sunday, April 1

**Happy Easter!**

**First Sunday of the Month Walks**-Mirror Lake & Japanese Gardens. 10:45-11:30am, All walks begin and end at the Hoyt Lake Marcy Casino area and are FREE.

### Monday, April 2

**Budding Naturalists**-9:00am - 11:30am at Tiff Nature Center. Our Reggio Emilia-inspired drop-off early childhood program and dedicated classroom will nurture your child's sense of wonder and curiosity for nature while encouraging physical, cognitive, social and emotional development. Attend one or two days per week. Advance [registration](#) required. Call 716.896.5200 x204 for more information. Ages 3-5.

**Nature Tech Adventure: Solar Solutions**-1:30pm. Discover the fun side of science as we harness the power of the sun to bake, create art, and more! For children ages 8 and up. Registration required; call 716-683-5959 to sign up. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

### Tuesday, April 3

**Center for the Study of Art, Architecture, History, & Nature (C-SAAHN) Lecture Series**-Noon to 1pm at Downtown Buffalo & Erie County Public Library, Ring of Knowledge area (past Fable's Café). Free and open to the public. For speaker and topic, visit <http://imaginelifelonglearning.com/lecture-series-early-spring-2018-schedule/>

**Little Tykes Mini Nature Camp**-9:30am - 11:30am at Tifft Nature Preserve. Enjoy a morning of fun and exploration in our early childhood classroom with a different theme each month! Story-time, crafts, outdoor investigation and more help to foster the nature explorer in your child. Healthy, kid-friendly snacks provided too! Advanced registration required. Cost: \$7 per child with adult. BMS Members save 10%, Ages: 3-5. [register](#)

**Nature Tech Adventure: Nature Apps**-1:30pm. Explore how you can use your smartphone to enhance your nature experience. For children ages 8 and older. Registration required; call 716-683-5959 to sign up. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

**Nature Tech Adventure: Birding**-1:30pm. Incorporate technology with birding and learn about eBird and the Merlin bird ID app. For children ages 8 and older. Registration required; call 716-683-5959 to sign up. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew

**Genesee County Master Gardeners Monthly Talk**- 12:15 to 12:45 pm. on the first Tuesday of the month at the Cooperative Extension office, 420 E. Main St., Batavia. Take your lunch. The series is free. Registration is not required. Program is on creating cutting gardens. Future topics and other Master Gardener events will be posted on the [Cornell Cooperative Extension of Genesee County website](#) and on their [Facebook page](#).

### Wednesday, April 4

**Nature Display Boxes** – 1 to 3pm. Join Naturalist Tom Kerr at Beaver Meadow to build your own nature display box. We'll take a short hike to look for interesting nature artifacts and bring them back to the nature center to mount in clear plastic boxes. Pre-registration is required. Please call 585-457-3228 to register. \$5.

**Adult Workshop: pH Drinks** -Buffalo Science Museum from 6-7pm. [www.buffsci.org](http://www.buffsci.org), \$15, pre-register at 716-896-5200x342. Adults only.

**Budding Naturalists**-9:00am - 11:30am at Tifft Nature Center. Our Reggio Emilia-inspired drop-off early childhood program and dedicated classroom will nurture your child's sense of wonder and curiosity for nature while encouraging physical, cognitive, social and emotional development. Attend one or two days per week. Advance [registration](#) required. Call 716.896.5200 x204 for more information. Ages 3-5.

**Nature Tech Adventure: Birding**-1:30pm. Incorporate technology with birding and learn about eBird and the Merlin bird ID app. For children ages 8 and older. Registration required; call 716-683-5959 to sign up. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew

**GBNRTC Monthly Meeting**-Public welcome. 9:30 to 11am at NYSDOT Regions 5, 100 Seneca St., Buffalo . All are invited to attend Planning and Coordinating Committee (PCC) Meetings to discuss transportation events, planning initiatives, and projects with [GBNRTC Member Agencies](#).

**Bethune Architecture Lecture: Clara Solà-Morales**-Founder, Partner, Cadaval & Solà-Morales, Spain. 6 pm - 7:30 pm, Hayes Hall 403, University at Buffalo.

**Wisdom to Survive: Climate Change, Capitalism & Community**-6 to 7:30pm, 684 Baldy Hall, UB North. Free. Film Screening/Documentary - in honor of Earth Day and UB's Sustainability Month. Activists and thought leaders in the realms of science, economics and spirituality discuss how we can take action in the face of climate disruption. Featuring Bill McKibben, Joanna Macy, Roger Payne, Richard Heinberg, Gus Speth, Stephanie Kaza, Nikki Cooley and Ben Falk. Refreshments will be served.

### Thursday, April 5

**Walk to Backwoods Loop: Looking for Signs of Spring** – 10 to 11:30am. Naturalist Mark Carra will guide you to our Backwoods Loop Trail at Beaver Meadow to search for the long awaited signs we've all been yearning for. Wild leeks galore and more! Pre-registration is required. Please call 585- 457-3228 to register. \$5.

**Nature Tech Adventure: Geocaching Egg Hunt**-1:30pm Participants will learn how to use a Global Positioning System (GPS) unit and use the handheld GPS units to find hidden eggs in the preserve. For children ages 8 and older. Registration required; call 716-683-5959 to sign up. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

**Orchard Park Garden Club**- meet at 11:30 a.m. at the Orchard Park Presbyterian Church, 4369 S. Buffalo St., Orchard Park. Sign-ups begin at 11:30, with refreshments at noon and the program at 12:30 p.m. The Program will be Floriography – The Secret Language of Flowers. Kristy Schmitt, director of Education at Buffalo and Erie County Botanical Gardens, will present a PowerPoint lecture presentation the origins of the flower code, fads and the current use of flower language in the floral industry and everyday life. She will also discuss some of the meanings of certain plants and a few lucky members will have the opportunity to create a small floral arrangement after the talk.

**Chasing Ice**- 6pm in 305 Capen (inside Silverman Library), UB North. A multi-year record of the world's glaciers melting due to climate change is documented in stunning time-lapse photography. This Oscar nominated, 2014 Emmy award-winning film for Outstanding Nature Programming is breathtaking. A brief introduction precedes the movie and a discussion after the movie will be led by [Fred Stoss](#), Librarian: Biological, Ecology and Geosciences, & Mathematics.

### Friday, April 6

**Science After Hours: Messfest for Adults**-Come get messy. \$16, adults 21+, cash bar. [www.buffsci.org](http://www.buffsci.org)

**Nature Tech Adventure: Wind Power Challenge**-1:30pm Design a wind mill with your children, then we will test your skills to see which design generates the most power to make electricity. A prize will be given to the winner. Information on wind power for homes will be available for parents. For children ages 8 and older. Registration required; call 716-683-5959 to sign up. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

**A Likely Story: The Niagara Escarpment and Gorge**-WNY Geological Society Meeting 7:30pm at the Heritage Discovery Center, 100 Lee Street, Buffalo, NY 14210. Dr. Raymond Vaughan as speaker. Ray is a professional geologist and environmental scientist in Buffalo. Until 2012 he worked as a scientist with the Environmental Protection Bureau of the New York State Attorney General's Office, and earlier in his career he worked in research and development for 33 years.

**Finding Purpose: Sustainable Business in the Anthropocene**-Sustainability has become mainstream, and business schools now discuss the importance of a sustainability perspective to every aspect of management. Yet many environmental problems continue to become more pressing. What are the next steps to take? Hear from Andrew Hoffman -Holcim Professor of Sustainable Enterprise from the University of Michigan. Noon-1 p.m. 102 Alfiero Center, UB North.

### Saturday, April 7

**National Handmade Day: Celebrate Spring with Rainbow Spring Rolls** – 10 to 11:30am. Naturalist Mark Carra will demonstrate how to make Thai Rainbow Vegetable Spring Rolls. We'll make 'em, dip 'em and eat 'em. The joy of Thai cooking will be our goal! Pre-registration is required. Please call 585-457-3228 to register. \$7.

**Saw-whet Search** – 2 to 4pm. Join Naturalist Tom Kerr for a hike through Beaver Meadow Audubon Center in search of migrating Saw-whet Owls passing through our area. Like most owls, they sleep during the day, but if you search patiently and quietly, they can be found roosting in evergreens as they take a break from their journey. Binoculars are provided. Pre-registration is required. Please call 585-457-3228 to register. \$5.

**Dusk Observatory at Beaver Meadow** – The Buffalo Astronomical Association will show visitors the illuminated night sky. Open rain or shine. Visitors are invited to bring their own equipment for viewing. Donations gratefully accepted.

**Busy Beavers**-10:30am. Celebrate International Beaver Day by taking a guided walk to learn about these amazing rodents, who are also our official New York State mammal. Registration required; call 716-683-5959 to sign up. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

**Woods Walk: Spring Things**-1pm. Join a guided nature walk to look for spring in the woods. No registration required. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

**Spring Adventure Hike**-10:00am-1:00pm, Stiglmeier Park, Cheektowaga. A gentle hike through open fields and mature forests with a focus on Spring nature happenings. \$7 Members, \$10 Non-Members. Please note that pre-registration is required for all events! Register online at [earthspiritedu.org](http://earthspiritedu.org) or call us at [\(716\) 941-6267](tel:7169416267).

**Gill Creek Planting**-12 to 3pm. Help Buffalo Niagara Waterkeeper with a planting is to restore Gill Creek's water quality and aesthetic beauty while enhancing the creek's recreational uses. [register](#)

**WNY Hosta Society Breakfast**- 10 a.m. at the Forest View Restaurant, 4781 Transit Rd., Depew. This is a social get together. You buy your own breakfast. To get the conversation flowing, take something that can be passed around the table. Please RSVP to Mike at 941-6167 or [H8staman@aol.com](mailto:H8staman@aol.com).

**Interpreting soil sample reports workshop**- 10 to 12 p.m. at the Frank Bratt Agricultural Center, 3542 Turner Rd., Jamestown. It is presented by [Cornell Cooperative Extension of Chautauqua County](#)'s Agriculture Program . In this workshop, led by Katelyn Walley-Stoll, farm business management educator with Cornell Cooperative Extension, participants will have the opportunity to learn more about soil sampling. Topics to be covered include why it's important to sample soils, how to take a soil sample, the difference between a pH test and a full analysis soil sample and how to read a soil sample report. There will be a hands-on portion for this workshop that will include a demonstration on using the Cornell pH Test Kit, practice examples on how to determine fertilizer and lime application rates based on a sample report and how to determine soil type. Participants for this workshop have the option of paying either \$5 (covering just the course materials) or \$18 (which will include a voucher for a free soil sample at a \$20 value). Pre-registration is required prior to the workshop to allow for adequate time to prepare printed resources and materials. You can register online, email [kaw249@cornell.edu](mailto:kaw249@cornell.edu), or call 716-664-9502, ext. 202.

**"So. You want to Start A Farm?"**- 10 a.m. to 12 p.m. at the Frank Bratt Agricultural Center, 3542 Turner Rd., Jamestown. It is presented by [Cornell Cooperative Extension of Chautauqua County](#)'s Agriculture Program. This workshop is for participants who have ever dreamed of having their own farm operation. Topics covered will be broad and include enterprise selection, insurance, marketing and resources for future exploration of owning your own farm business. The instructor for this workshop will be Katelyn Walley-Stoll, Farm Business Management Educator with Cornell Cooperative Extension of Chautauqua County. She is a graduate of Cornell University with a degree in Animal Science and Ag Business Management, and owns and operates a diversified livestock farm. Participants of this workshop will be asked to complete a pre-workshop survey to better focus the course presentation and will receive a comprehensive binder with resources for beginning farmers. The cost is \$10 per family. Pre-registration is required prior to the workshop to allow for adequate time to prepare printed resources and materials. To register, email [kaw249@cornell.edu](mailto:kaw249@cornell.edu), or call 716-664-9502, ext. 202

**Pruning Workshops**-at Lockwood's Greenhouse, 4484 Clark St., Hamburg. Jeff Fabian, certified arborist, will introduce you to the Science of Pruning in the first session from 10 to 11 a.m. In the second session on Basic Pruning Practices from 11:15 a.m. to 12:15 p.m., you will learn how to apply the basic techniques taught in the first session. The cost is \$10 each or both for \$15. Please register in advance so they can determine adequate seating. [Register online.](#)

**Earth Day Program for Kids**-The Pfeiffer Nature Center will hold a free Earth Day program for kids from 10:30 to 11:30 a.m. Saturday, April 7 at the Portville Free Library, 1 North Main St., Portville. The event will be filled with games and activities to inspire kids to care about and treasure our natural world. Minors must be accompanied by an adult. Pre-registration is not required. For more information, contact the Pfeiffer Nature Center office at 716-933-0187.

**Horticulture IV Classes: Gardening for Wildlife**-11am to 1pm at Botanical Gardens, 2655 South Park Ave., Buffalo. The classes will be taught by horticulturist David Clark, who is becoming one of the country's noted garden speakers. These classes are great for beginners or gardeners and landscapers wishing to brush up on their skills. Those who complete each series will be presented with a certificate. The cost for Botanical Gardens members for a full series of five classes is \$100 and the cost for individual classes is \$22. For non-members, the cost for the series is \$120 and the cost for individual classes is \$27. Registration and more information can be found [online](#).

**Springtime Bluebird Walk**-10am to noon at [Evangola State Park](#). Thanks to the efforts of local youth and conservation groups, Evangola is home to a great number of nesting Bluebirds. Join us for an informal count as we monitor nest boxes and enjoy the beauty of our state bird. *For information and registration call (716) 549-1050.*

**Cradle Beach Family Science Program: Space**-Explore space using different models to understand the Moon, Sun, and Earth! Enter our inflatable Star Lab to look at stars and constellations seen in the night sky, taking home a Star Chart as well as a clay model of your own fictional planet! STEM (Science, Technology, Engineering, and Mathematics) and STEAM (STEM + Art) aim to teach students to critically think about real-world problems and encourage creative solutions. Cradle Beach provides year-round science programming involving active hands-on programs that excite and engage learning. Limited space available! Participants must be age 6+. Contact Intefada Wardia, 248-404-7078 or [iwardia@cradlebeach.org](mailto:iwardia@cradlebeach.org). **Register by Wednesday April 4!**

**7 Essentials of Starting Seeds**- 6pm at Masterson's Nursery, East Aurora. \$25.00. Join Fruition Seeds as they teach us the essential dos and don'ts of seed starting in a hands-on, fun evening of planting and socializing! Petra from Fruition Seeds will bring her expertise along with her awesome selection of locally grown and harvested seeds and we'll work on getting some seeds started for the coming spring season. Petra will give us tips on when to plant, how to plant, and the common mistakes to avoid. This will be a fun, informal evening of planting and chatting, so feel free to bring along a bottle of wine, drinks or snacks and hang out with us for a while! Seating is limited, so pre-registration for this class is required. [Register](#).

**Eagle Watch**-1 to 4pm at Cayuga Overlook at Iroquois National Wildlife Refuge.  
[http://www.friendsofiroquoisnwr.org/documents/2018\\_IO\\_brochure.pdf](http://www.friendsofiroquoisnwr.org/documents/2018_IO_brochure.pdf)

**Birding by Car**-10am to noon. Meet at Cayuga Overlook at Iroquois National Wildlife Refuge.  
[http://www.friendsofiroquoisnwr.org/documents/2018\\_IO\\_brochure.pdf](http://www.friendsofiroquoisnwr.org/documents/2018_IO_brochure.pdf)

## Sunday, April 8

**Eco-Performance Lab**-1-6pm at The Boiler Room, 500 Seneca St., Buffalo. Eco-Performance Lab is a creative workshop for a mixed group of artists and non-artists to confront ecological crises through theater. Beginning with a presentation of research and culminating in short performances made by participants, The Lab is an introduction to Superhero Clubhouse's approach to theater-making, offering tools to explore questions about who we are and how we move forward in our new, turbulent reality. This exciting workshop is lead by Jeremy Pickard and Zelda Soussan, produced in partnership with UB Sustainability.

**GObike Buffalo Community Workshop: Drivetrains**- 6-7:30 pm. What's the difference between a fixed gear and a freewheel? Gear ratios? Sounds like math. Why does my chain keep dropping? We have the answers! Join us for hands-on learning and discussion of different crank types, chain sizes, cassettes, freewheels, derailleurs and shifting. *All classes are held at the GObike Community Workshop at 98 Colvin Avenue. Cost for classes is \$10 and most sessions are limited to 10 people. Please RSVP to [stacy@gobikebuffalo.org](mailto:stacy@gobikebuffalo.org) at least TWO days prior to class if you plan to attend.*

## Monday, April 9

**Budding Naturalists**-9:00am - 11:30am at Tiff Nature Center. Our Reggio Emilia-inspired drop-off early childhood program and dedicated classroom will nurture your child's sense of wonder and curiosity for nature while encouraging physical, cognitive, social and emotional development. Attend one or two days per week. Advance [registration](#) required. Call 716.896.5200 x204 for more information. Ages 3-5.



**Biology and Great Lakes Center Seminar**-4:00 p.m. to 5:15 p.m. Please join the Biology Department, the Great Lakes Center, and the Great Lakes Ecosystem Science Program for the seminar "Think Local, Understand Global; Using Biology to Build Confidence in Projected Global Carbon Cycle Climate Feedbacks," presented by Dr. Mark Bradford, professor, School of Forestry & Environmental Studies, Yale University. All are welcome.

## **Tuesday, April 10**

**Niagara Frontier Botanical Society Meeting**- 7:30 p.m. on the second Tuesday of each month, September through May, at the Harlem Road Community Center, 4225 Harlem Road, one block south of Main Street in Snyder (except April meeting). All General Meetings are open to the public and free of charge. "Bats and Forests: How Night Flying Acrobats Impact Forest Ecology." Speaker Jonathan Townsend is Lands Manager for the Chautauqua Watershed Conservancy, headquartered in Jamestown. Please note that this meeting is our annual dinner meeting which will be held at Orazio's Restaurant in Clarence. Dinner buffet is \$27 and reservations are **due by April 3**- Make checks payable to Niagara Frontier Botanical Society and mail them to: Eleanor Donnelly, 10500 Bergtold Rd. Apt 201, Clarence, NY 14031.

**Center for the Study of Art, Architecture, History, & Nature (C-SAAHN) Lecture Series**-Noon to 1pm at Downtown Buffalo & Erie County Public Library, Ring of Knowledge area (past Fable's Café). Free and open to the public. For speaker and topic, visit <http://imaginelifelonglearning.com/lecture-series-early-spring-2018-schedule/>

**Adult Science Night: Forest Bathing**-6:30 to 8pm, \$12, Tifft Nature Preserve. Register at [www.tifft.org](http://www.tifft.org)

**Medicinal Herb Walk**-11am. Learn the medicinal values of the wild herbs that grow in Reinstein Woods. For adults and children ages 12 and older. Registration required; call 716-683-5959 to sign up. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

**UB Affordable Housing Symposium**- 8am to 2pm. Hayes Hall | UB South Campus, The School of Architecture and Planning is convening leading scholars and practitioners across the planning, architecture and real estate development professions to explore current conditions and future trends in housing policy, design and finance, and to consider new models for high-quality, affordable housing. The symposium kicks off a new program at the school to design and build affordable housing prototypes for Buffalo and cities like it. [Register Today](#)

**Kenmore Garden Club**-meet at 10 a.m. at Kenmore United Methodist Church, 32 Landers Rd., Kenmore. In "Birds of a Feather," Tom Kerr of the Buffalo Audubon Society will speak on identifying birds in our area as well as their nesting, migration and feeding habits.

**Public Review and Meetings for 2050 Regional Transportation Plan**-The Greater Buffalo Niagara Regional Transportation Council (GBNRTC) is holding two public meetings for the community to review and comment on the Draft 2050 Regional Transportation Plan "Moving Forward 2050". If you aren't able to attend either of the public meetings, you can still review the plan and submit comments at [gbnrtc.org/movingforward2050](http://gbnrtc.org/movingforward2050). [View plan](#). Meeting will be 5-7pm on April 10 at the Niagara Falls Public Library, 1425 Main St., Niagara Falls.

**ADK Meeting and Presentation**- 6:30pm. Amherst Community Church 77 Washington Highway, Snyder, NY 14226 NOTE: Please park in rear and enter through back door (walk up to 2nd floor) 6:30 pm Education Workshop: Getting ready for biking season with Go Bike Buffalo. 7:30 pm Speaker: Twan Leenders, President, Institute of Natural History making his way from Jamestown, NY. Twan is originally from the Netherlands, specializing in animal ecology and conservation management. As a former researcher at Yale University Peabody Museum he participated in several international expeditions gathering data and understanding how to protect biologically important areas and the species that live there. Twan's research on endangered amphibian populations was recently published titled "Amphibians of Costa Rica - a field guide". As an avid photographer and illustrator, National Geographic Society has taken notice and his works have appeared in multiple publications. With all that experience, Twan will be talking about the hidden treasures of WNY and how the urban nature of Jamestown has inspired naturalists the world over.

**Forest Bathing at the Science Museum**-6:30pm - 08:00pm. Join us on the 2nd Tuesday of the month for our new science discovery series for adults. Meet local nature-enthusiasts, share your interests and learn something new. *Light refreshments included.* Breathe in, breathe out. Enjoy a quiet evening unplugged as we explore the significance and rising popularity of forest bathing and ecotherapy. And then we'll try it for ourselves in attempt to reconnect with the natural world at our fingertips. Advance registration required. Cost: \$12 per participant. BMS Members save 10%. Ages: 18+. [register](#)

**Entrepreneurial Training Session**- 6:30 PM to 8:00 PM EDT, Free but [register](#). Sponsored by Buffalo Niagara SCORE. Tonawanda Senior Center, 35 Main Street, Tonawanda, NY 14150.

### Wednesday, April 11

**Volunteer Training: Behaviors and Adaptations** – 10am to noon. Join us at Beaver Meadow and explore how to lead students in an outdoor discovery of how plants and animals have changed depending on their environment. Pre-registration is required. Please call 585-457-3228 to register. This training is for existing and new volunteers interested in leading school programming at Beaver Meadow.

**Volunteer Training: I Notice, I Wonder: Inquiry in Nature** – 1 to 3pm. Join us at Beaver Meadow and discover how to dive deeper into guided inquiry with students. Pre-registration is required. Please call 585-457-3228 to register. This training is for existing and new volunteers interested in leading school programming at Beaver Meadow.

**WNY Stormwater Coalition Meeting**- 2:00pm - 3:30pm at Julia Boyer Reinstein Library, [1030 Losson Road Cheektowaga, NY 14227](#)

**Behind the Scenes Collections Tour**-Buffalo Science Museum, adults only. \$25. Register at [www.sciencebuff.org](http://www.sciencebuff.org) at least 1 week in advance. 5-7pm. Cabinet of Curiosities.

**Budding Naturalists**-9:00am - 11:30am at Tiff Nature Center. Our Reggio Emilia-inspired drop-off early childhood program and dedicated classroom will nurture your child's sense of wonder and curiosity for nature while encouraging physical, cognitive, social and emotional development. Attend one or two days per week. Advance [registration](#) required. Call 716.896.5200 x204 for more information. Ages 3-5.

**Educator Workshop: Earth Day in the Classroom** -4 to 7:30pm. Get ready to celebrate Earth Day in your classroom with this hands-on workshop from Project WET (Water Education for Teachers). Take home a standards-based curriculum guide with 64 field-tested activities and experience a selection of Earth Day favorites. 3.5 CTLE hours provided. For formal and non-formal educators of students in grades K-12. Registration required; call 716-683-5959 to sign up. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

**"Banff Mountain Film Festival World Tour"** - 7 pm, at Reg Lenna Center for the Arts presented by Roger Tory Peterson Institute of Natural History. The Banff Mountain Film and Book Festival, held annually in November in Banff, Canada, is the most prestigious mountain festival in the world. Immediately following the festival, a selection of the top films submitted go on a tour around the world. Host organizations in each tour location help to choose a program that reflects the interests of their community, creating a unique celebration of adventure and adventurers at each stop. [www.rtpi.org](http://www.rtpi.org)

**Creating Better Accessibility to Local Resources**-6 pm - 7:30 pm, Hayes 403 at UB South. The lecture is focused on Atelier Bow-Wow's philosophy, "Architectural Behaviorology". It observes various behaviors brought by different actors, around / in Architecture. The main three actors are Nature (light, wind, heat, humidity...), Human (custom, habit), and Building (typology, building element). Architectural Behaviorology sees architectural design as relationships between different considerations on various behaviors. It also discusses the design practices based on Architectural Behaviorology.

**Alden Garden Club**-7pm. at the Alden Community Center, 13116 Main St., Alden. Mary Jane Bolo of the Lord's Garden will speak on "Native Plants/Good Bugs and Bad Bugs."

**Lancaster Garden Club**- 7 p.m. in St. John's Lutheran Church hall, 55 Pleasant Ave., Lancaster. Roxanne McCoy, owner of Lilies Of The Field, will give a power point presentation on "Raising a Cutting Garden."

**Buffalo Ornithological Society Meeting** - Cummings Room of the Buffalo Museum of Science at 7:00 PM. Wayne Schacher: Follow up and expansion from last April's presentation Tennessee Habitat Restoration.

**Genesee Valley Landowners Workshops**-5PM – 9:15PM at Genesee Valley Educational Partnership (BOCES); [100 Lackawanna Ave, Mt. Morris, NY 14510](#). The workshops presented by the Genesee Valley Conservancy and Livingston County Cooperative Extension are intended to provide landowners the opportunity to learn strategies that will assist them in reaching their land ownership goals. For more information and to register, [click here](#).

**Beekeeping Class - I Ordered Bees. Now What?-** 6:30 PM 7:30 PM. What is the difference between a nuc and a package? What do you need to have ready when your bees come home? We'll get you ready to install your nuc or package and hopefully calm some new beekeeper jitters. Pre-registration is required. [Register](#) today so we can save you a seat! \$20. Masterson's Nursery-East Aurora.

#### Thursday, April 12

**Beakers and Beer**-5 to 7pm at Buffalo Niagara Medical Campus. Open to all, RSVP at [www.bnmc.org/beakers](http://www.bnmc.org/beakers) UBMD @ Conventus, 4<sup>th</sup> floor, 1001 Main Jacobs Institute, 5<sup>th</sup> floor, Gates Vascular, 875 Ellicott St., Buffalo.

**After-School Escape**-4:30 to 5:30pm. Together, kids and their parents or caregivers can enjoy a different, fun, hour-long outdoor activity each week. For children in grades K through 5. No registration required. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

**WNY Food Incubator Workshops: Business Planning Workshop**-9 to 11 am. In the business planning workshop, you will learn business start-up basics. We will discuss the step-by-step process of starting a business, advantages of different forms of business, and the importance of a business plan. There will be a guest speaker from the NCCC Small Business Development Center. [Click here for more information](#). The workshops cost \$15 per or \$50 when you sign up for all 4. All classes will be held at [4487 Lake Avenue](#) in Lockport. If you have any questions, please call Ag. Specialist Amanda Henning at 433-8839 or email her at [app27@cornell.edu](mailto:app27@cornell.edu).

**WNY PRISM Spring Partner Meeting**- 1:00 – 3:30 pm, at De Veaux Woods State Park. Please consider joining us to hear important information on regional invasive species efforts, and to hear from our Featured Speaker, Dave Spiering, Conservation Project Manager with the Western New York Land Conservancy. Dave will present on the Niagara Gorge Restoration Project, and after the presentation attendees will be able to join us on a tour of the project site, located just a few minutes from De Veaux Woods. Everyone is welcome and encouraged to attend! For more info, visit: <http://www.wnyprism.org/spring-partner-meeting-2/>

**Spring Gardening Made Easy**- 7:00 – 8:00 PM, Parish Meeting Room of SS. Peter & Paul Church 66 Main St., Hamburg (Parish Meeting Room can be entered via parking lot #3 on Pine St.) The event is free and open to the public. Talk by Lyn Chimera. Prior to the presentation (6:30 – 7:00) there will be a Soil pH Clinic run by the Cooperative Extension where you may have your soil tested. The cost is \$2.00 per sample and 3 for \$5.00. For information on how to dig a soil sample check the Cornell website at: [albany.cce.cornell.edu/agriculture/soils-climate/how-to-take-a-soil-sample](http://albany.cce.cornell.edu/agriculture/soils-climate/how-to-take-a-soil-sample) For more information please contact Joan at [716-649- 9087](tel:716-649-9087).

**Beginning Farmer Discussion Group**-a series of free informal workshops covering the basics of vegetable gardening, will begin at 6:30 p.m. in Dard Hunter Hall Auditorium at the Roycroft Print Shop, 21 S. Grove St., East Aurora. Sponsored by Cornell Cooperative Extension of Erie County, the workshops will be led by Darcy Telenko, fresh market vegetable specialist for the Cornell Vegetable Program. For more information, visit [erie.cce.cornell.edu](http://erie.cce.cornell.edu). To reserve a spot, call Megan Burley at 652-5400, ext. 138, or email [msb347@cornell.edu](mailto:msb347@cornell.edu).

**Public Review and Meetings for 2050 Regional Transportation Plan**-The Greater Buffalo Niagara Regional Transportation Council (GBNRTC) is holding two public meetings for the community to review and comment on the Draft 2050 Regional Transportation Plan "Moving Forward 2050". If you aren't able to attend either of the public meetings, you can still review the plan and submit comments at [gbnrtc.org/movingforward2050](http://gbnrtc.org/movingforward2050). [View plan](#). Meeting will be 5-7pm at the Buffalo & Erie County Public Library, 2<sup>nd</sup> floor meeting room, 1 Lafayette Square, Buffalo.

### Friday, April 13

**Ninth Annual Buffalo Poverty Research Workshop**-9am to 12:30pm at the Buffalo & Erie County Public Library, 1 Lafayette Square. Free and Open to the public. View the program and speakers t [here](#) .[Register](#) for the free workshop, and send any questions to Christine Slocum of the Homeless Alliance of WNY at [slocum@wnyhomeless.org](mailto:slocum@wnyhomeless.org) or  [\(716\) 853-1101 ext. 108](tel:(716)853-1101).

**South Town Gardeners**- 9:30 a.m. at the West Seneca Senior Center, 4620 Seneca St., West Seneca. The club will be creating hanging plant holders from a five-inch soup can. Guests and new members are welcome. For more information, call 668-0209.

**Evening Peeper Prowl**- 7 to 9pm. [Evangola State Park](#). A soothing sunset frog chorus draws us into the forest to explore a magical place of frogs and tadpoles swimming in beautiful spring pools! *For information and registration call (716) 549-1050.*

**Housing Opportunities Made Equal (HOME) 55<sup>th</sup> Annual Dinner**- [TICKETS AND TABLES CAN BE PURCHASED HERE](#). Fundraiser. 5pm-9:30pm. \$85 and up. Buffalo-Niagara Convention Center (153 Franklin Street, Buffalo, NY 14202). Complimentary parking in the Fernbach Parking Ramp. No parking pass required.

### Saturday, April 14

**Audubon Club: Hamburg Hawk Watch** – 9 to 11am. Join Naturalist Tom Kerr for our monthly birding adventure for kids ages 8-14! This month we'll visit the Hamburg Hawkwatch across Rogers Road from Lakeside Memorial Cemetery. We'll be looking for Hawks, Vultures, Eagles, and other birds of prey as they travel north to their summer nesting grounds. Pre-registration is required and directions will be provided. Please call 585-457-3228 to register. Donations gratefully accepted.

**Denim and Diamonds**-5:30pm. An evening of live blues music, food and festivities at Hayloft in the Grove in East Aurora, N.Y. The event aims to raise funds for vital construction projects at the non-profit organization's new Mill Road facility. Sponsored by West Herr Automotive Group, David P. Jones and Urban Design, with dinner and a cash bar (beer & wine). The band Mercury Blues will provide live entertainment, and attendees can also enjoy a silent and live auction courtesy of Auctions International. Guests will enjoy a wine wall presented by Boulevard Real Estate and cigar rolling by Buffalo Cigars. In addition, during the event attendees will have the opportunity to meet some of the live animal ambassadors that reside at Hawk Creek, the very animals they are supporting. Tickets are \$100 per person or \$900 for 10 tickets and must be purchased in advance. The attire is dress shirts, blue jeans and "bling." For more information and to purchase tickets, [visit this link](#).

**Horticulture IV Classes: Four Seasons Gardening**-11am to 1pm at Botanical Gardens, 2655 South Park Ave., Buffalo. The classes will be taught by horticulturist David Clark, who is becoming one of the country's noted garden speakers. These classes are great for beginners or gardeners and landscapers wishing to brush up on their skills. Those who complete each series will be presented with a certificate. The cost for Botanical Gardens members for a full series of five classes is \$100 and the cost for individual classes is \$22. For non-members, the cost for the series is \$120 and the cost for individual classes is \$27. Registration and more information can be found [online](#).

**Second Saturday of the Month Talks & Walks**- Free Downtown Buffalo & Erie County Public Library 10AM-Noon. "Imagine the Downtown Library 'Medical-Mile' Campus"-An IMAGINE Greater Buffalo 2025 Project & Walking to Wellness Initiative. Contact : [C4SAAHN@gmail.com](mailto:C4SAAHN@gmail.com)

**Citizen Science Training: Project Budburst**-10am to 1pm. Become a volunteer and learn how phenology (a plant's natural life cycle) affects wildlife and is affected by climate change. For adults and children ages 10 and older. Registration required; call 716-683-5959 to sign up. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

**Free Shredding Event, Clothing Recycle and Bike Donations**-9am to noon at Front Park. Info at [www.buffalorecycles.org](http://www.buffalorecycles.org)

**Spring Waterfowl ID**-9am to 10:30am. Meet at Iroquois National Wildlife Refuge Visitor's Center. [http://www.friendsofiroquoisnwr.org/documents/2018\\_IO\\_brochure.pdf](http://www.friendsofiroquoisnwr.org/documents/2018_IO_brochure.pdf)

**Guide to Nature Photography**-1-3pm. Meet at Iroquois National Wildlife Refuge Visitor's Center. [http://www.friendsofiroquoisnwr.org/documents/2018\\_IO\\_brochure.pdf](http://www.friendsofiroquoisnwr.org/documents/2018_IO_brochure.pdf)

**Eagle Watch**-1 to 4pm at Cayuga Overlook at Iroquois National Wildlife Refuge. [http://www.friendsofiroquoisnwr.org/documents/2018\\_IO\\_brochure.pdf](http://www.friendsofiroquoisnwr.org/documents/2018_IO_brochure.pdf)

**Town of Evans Environmental Fair**-9am to 2pm at Evans Center Fire Hall, 8298 Erie Rd, Angola. [info](#)

**Healing Power of Plants**- 10 a.m. to 2 p.m. at the Botanical Gardens, 2655 South Park Ave., Buffalo. Celebrate World Health Month with an expanded medicinal garden feature full of information about the healing power of plants for your mind, body and spirit. Experts will be on hand to discuss the use of plants in pharmaceuticals, the healing power of yoga, how to embrace the simple power of the natural world while visiting the Botanical Gardens and more. The event is sponsored by Mercy Hospital of Buffalo, part of Catholic and D'Youville College School of Pharmacy. This event is included with Botanical Garden admission: \$11 adults, \$10 seniors (62 and older), \$9 students (13 and older with ID), and \$6 kids ages 3 to 12. Botanical Gardens members and kids 2 and younger get in free.

**March for Science**-12:30 to 4pm. Begins at Niagara Square and ends at Canalsidewith a rally and Science Education Fair for all ages. <https://www.sciencedemandsaction.org/events/>

**GObike Buffalo Skyride Launch Party** -1-4 pm. We're going to kick off the biking season and celebrate the expanded route for the 5th Annual SkyRide — we're gonna #biketehighways! We'll have merchandise for sale, share event details, answer questions and provide one last chance for discounted registration. Hop on a bike and ride while you're at it — Campus Wheelworks will be there with an indoor racing set-up. \$5 at the door.

**The Every Day is Earth Day event**- NY Power Authority and Niagara Power Vista from 10am to 4pm. Will feature "The Greenheart" band playing conservation music on solar-powered instruments, along with other "green-themed" demonstrations, activities, exhibitors, crafts and face painting. Enjoy free rides on the Niagara Scenic Trolley between the Niagara Power Vista and Gorge Discovery Center during the event. Parking and admission are free at the Power Vista. The Sculpture Contest: one of the most popular features of our "Every Day is Earth Day" celebration is the sculpture contest! We encourage visitors of all ages to participate. Get in touch with your inner sculptor and create a work of art made of recyclable materials, such as egg and milk cartons, newspapers, toilet paper rolls, plastic grocery bags. Artists are encouraged to be as creative and imaginative as possible, and to draw inspiration from the world around them. Participants should submit a [Sculpture Contest Entry Form](#) and bring finished sculptures should be brought to the Power Vista before or during the event.

## Sunday, April 15

**Buffalo Ornithological Field Trip: Owl Woods and Braddock Bay**-8am (new date as previous was changed due to weather). Leader - Jim Adams. Meet at 8:00a.m. at the parking lot across from the entrance to Owl Woods. We are very fortunate this year to have a member of Braddock Bay Raptor Research as our guide through Owl Woods. Our main focus here will be the unequivocally endearing Saw-whet Owl. This migratory species is difficult to detect while roosting but with Jim's assistance we hope to see one. Long-eared Owl is also a possibility. We will spend about an hour and a half walking the spruce grove in search of these owls. If the weather permits, we may be able to get a tour of an operating hawk banding station to boot! This 1/2 day trip will have a 20-person limit. Please email Alec Humann ([alechumann@msn.com](mailto:alechumann@msn.com)) to reserve your spot! BOS members will have priority.

**Full Moon (Pink Moon) Hike in Wilson**-6:00 pm - 9:00 pm. Come out and join us for a "Full Moon/Pink Moon" snowshoe hike out at Wilson Tuscarora State Park. If there is no snow we will hike the trail within the park. Meet in the back parking lot in park at 6:00 PM SHARP! We want to head onto the trail by 6:15 at the latest. Once you return to the parking lot join us for a decadent desert and hot beverages. If you have your own snowshoes & poles the cost is \$15.00pp – this covers the decadent dessert and hot beverages. If you do not have snowshoes contact us for rentals. Hike, decadent desert and hot beverages is \$10.00. Reservations are a must. If you have never snowshoed this is the time to come out and try it. Dress for the weather, bring water and wear appropriate footwear for hiking. Instructors and NYS Licensed Guides will accompany you on this hike. For further information or directions call 716-213-0350 or [Christine@pathspeakspaddles.com](mailto:Christine@pathspeakspaddles.com)

## Monday, April 16

**Budding Naturalists**-9:00am - 11:30am at Tiff Nature Center. Our Reggio Emilia-inspired drop-off early childhood program and dedicated classroom will nurture your child's sense of wonder and curiosity for nature while encouraging physical, cognitive, social and emotional development. Attend one or two days per week. Advance [registration](#) required. Call 716.896.5200 x204 for more information. Ages 3-5.

**Biology and Great Lakes Center Seminar**-4:00 p.m. to 5:15 p.m. | Bulger Communication Center West Join the Biology Department, the Great Lakes Center, and the Great Lakes Ecosystem Science Program for the seminar "Using the Past to Manage for the Future: An Historic Approach to Conservation of the Eastern Hellbender," presented by Robin Foster, Evolution, Ecology, and Behavior, University at Buffalo. All interested are welcome.

## Tuesday, April 17

**Toddler Time: Earth Day Every Day!** – 10 to 11am. Come celebrate our wonderful planet Earth! We'll make some plantable seed paper, take a nature scavenger hunt walk and end with a yummy snack! Dress for the weather. Pre-registration is required. Please call 585-457-3228 to register. Ages 2-4. \$3.

**Center for the Study of Art, Architecture, History, & Nature (C-SAAHN) Lecture Series**-Noon to 1pm at Downtown Buffalo & Erie County Public Library, Ring of Knowledge area (past Fable's Café). Free and open to the public. For speaker and topic, visit <http://imaginelifelonglearning.com/lecture-series-early-spring-2018-schedule/>

**Bringing Nature Downtown: A New Life for an Old Rail Corridor**-6pm at Saturn Club, 977 Delaware Ave., Buffalo. Come and celebrate Goldfarb Financial's 30th Year of Socially Responsible Investing as we present the WNY Land Conservancy. Our Spring Money Talks will feature a discussion on reimagining the abandoned DL&W rail corridor as an Inspiring and Iconic Nature Trail and Park. In Buffalo, wildlife is reclaiming an unused rail corridor. This land connects the DL&W Terminal in downtown Buffalo near Canalside to the Buffalo River across from Solar City. Since the fall of 2017, the Land Conservancy has been meeting with neighbors and community leaders to start a conversation about what this rail corridor could become. One possibility is an inspiring and environmentally-friendly linear park and multi-use trail. How will you make an impact? [Register](#)

**Botanical Gardens Volunteer Orientation**- 10am-2pm. <https://buffalogardens.com/pages/volunteer>

## Wednesday, April 18

**2 the Outdoors Forum: Sacred Land**-6:30 to 8pm for ages 8+, free at Tiff Nature Preserve. For info, call 716-825-6397. [Register](#).

**Budding Naturalists**-9:00am - 11:30am at Tiff Nature Center. Our Reggio Emilia-inspired drop-off early childhood program and dedicated classroom will nurture your child's sense of wonder and curiosity for nature while encouraging physical, cognitive, social and emotional development. Attend one or two days per week. Advance [registration](#) required. Call 716.896.5200 x204 for more information. Ages 3-5.

**Senior Stroll**-10am. Experience nature at your own pace, and enjoy a leisurely guided walk through the woods. Bring a lunch if you want to eat indoors after the tour. For adults only. Registration required; call 716-683-5959 to sign up. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

**Night Hike Date Night**-7pm. Enjoy an evening walk under the stars and interactive quiz along the trail to discover the compatibility of your nocturnal spirit animals. For adults ages 18 and older. Registration required; call 716-683-5959 to sign up. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

**Landmarks101**- 6:00 PM at Lackawanna Public Library, 560 Ridge Rd, Buffalo, NY 14218. Join Preservation Buffalo Niagara at the Lackawanna Public Library to learn more about the basics of preservation including landmarking, available financial resources, and the beneficial impacts preservation can have within communities. Event is FREE and open to public but registration appreciated: [register](#). Details [here](#)

**Buffalo Bonsai Society Meeting**- 7 p.m. at the Buffalo and Erie County Botanical Gardens administration building, 2655 South Park Ave., Buffalo. Preparing your tree for a show will be the topic of the meeting. Guests are welcome to attend the meetings for free. Annual memberships with the Bonsai Society are \$25 for an individual and \$30 for a family. More information is available [online](#).

**Western NY Rose Society Meeting**- 7-9pm at St. Stephens-Bethlehem United Church of Christ, 750 Wehrle Drive, Buffalo. The meeting's topic will be fertilizing and spraying. Guests are welcome to attend monthly meetings. Information about the Rose Society and membership dues is [available online](#).

**EarthFest 2018 at Jamestown Community College**-11-2 PM, held in the COCE Student Union and JCC Pongside (Jamestown Campus). Enjoy Jeff Musial's Nickel City Reptiles and Exotics as seen on Late Night with Jimmy Fallon. The event also includes music by Jamie Haight, educational displays, tree adoption, crafts, live animals, a silent auction, FOOD, and Earth Friendly Products for sale by local businesses.

**"Valuing Water: A New Deal for the Environment"**- 7 PM. Robert H. Jackson Center, Jamestown presents The Jackson Center's 2018 project which will focus on how environmental economists determine the economic value of water and the legal precedents and legislation that have shaped current water policies. The project title is a nod to Robert H. Jackson's significant involvement with President Franklin Roosevelt's efforts to create "New Deal" programs in the 1930's that helped the country recover from the economic problems of the Great Depression. Just as the New Deal restored economic viability in the U.S., a better understanding of the complete cost of natural resources, beyond what is visible in the marketplace, will enable communities to make more informed and cost-effective decisions. <https://www.greenupjamestown.com/greenup-jamestown-calendar/>

**Women in STEM Summit**-8:30am to 2pm. Student Union, UB North. To coincide with Earth Day, this year's Summit celebrates women's contributions to advancing sustainability. Join us for an unforgettable keynote interview between SUNY Chancellor Kristina M. Johnson and Liesl Folks, Dean of UB's School of Engineering and Applied Sciences. Discover what's current in sustainability, science and policy with local thought leaders who are building sustainable solutions and influencing sustainable change. Meet organizations that support diversity and sustainability initiatives at our Information Fair. Don't miss this opportunity to be inspired, grow and connect with us! Free and open to the public. Guests are welcome to attend only one session or preferably the whole day with us depending on their availability. [Learn more and RSVP](#)

**Garden Herbs for Food & Health**-7:00 to 9:00pm at Roycroft Campus - East Aurora. We'll discuss various species of herbs that can be used in cuisine, body care and supporting overall health. From potted plants on a windowsill to a full-fledged garden bed, everyone can grow herbs and enhance their lives. After the talk, we'll even pot up some seeds to get you started! Join us as we revive a bit of Hubbard and Ruskin's philosophies of self-sufficiency and connection to Nature and be ready to put them in to practice this Spring! [Register](#)

#### Thursday, April 19

**Behind the Scenes Collections Tour**-Buffalo Science Museum, adults only. \$25. Register at [www.sciencebuff.org](http://www.sciencebuff.org) at least 1 week in advance. 2-4pm. Knox your Average Piggy Bank.

**After-School Escape**-4:30 to 5:30pm. Together, kids and their parents or caregivers can enjoy a different, fun, hour-long outdoor activity each week. For children in grades K through 5. No registration required. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

**Phragmites Strike Team Training**-5:30pm. If you enjoy getting outside and want to help maintain healthy wetlands at Reinstein Woods, join our Strike Team! Volunteers are needed to monitor and remove *Phragmites australis*, an invasive plant also known as common reed. Team members will learn monitoring protocols and removal techniques. Monitoring will take place throughout the spring and summer. No experience needed. Registration required; call 716-683-5959 to sign up. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

**WNY Food Incubator Workshops: Financials and Pricing Workshop**-9 to 11am. Understand your costs and price your products - We will discuss the fundamentals of financial recordkeeping, intro to cash flow planning and managing money and setting prices for a successful business. Guest speaker from the NCCC Small Business Development Center. [Click here for more information.](#) The workshops cost \$15 per or \$50 when you sign up for all 4. All classes will be held at [4487 Lake Avenue](#) in Lockport. If you have any questions, please call Ag. Specialist Amanda Henning at 433-8839 or email her at [app27@cornell.edu](mailto:app27@cornell.edu).

**Beginning Bonsai Workshop**-6 to 9 p.m. at the Botanical Gardens, 2655 South Park Ave., Buffalo. Get up close and personal with a tree with these hands-on workshops. Participants will fashion a live bonsai tree while learning about the art of bonsai, techniques and styles with the Buffalo Bonsai Society. Space is limited. Materials are provided but participants may wish to bring hand clippers and wear gardening gloves. Bringing a box to transport the finished product is recommended. This workshop will also be offered from 6 to 9 p.m. Friday, April 20. The cost is \$75 for Botanical Gardens members and \$80 for the general public. Registration is available [online](#).

**Trout Fishery Update and Water Quality Improvement Presentation**-5:00pm – 6:30pm at Southern Tier Brewing, 2072 Stoneman Cir, Lakewood, NY 14750, USA ([map](#)). The Chautauqua Watershed Conservancy (CWC) invites you to kick off the spring trout fishing season with updates on the state of the Chautauqua Lake trout fishery and Chautauqua Lake sedimentation control projects consisting of erosion control project on lake tributary streams. The event is free and open to the public.

**Growing Mushrooms Outdoors**-4 – 7pm at 36 Center Street, Warsaw, NY ([map](#)). A mushroom growing workshop will be offered by Cornell Cooperative Extension of Wyoming County. Many types of edible gourmet mushrooms can be grown safely and easily, right at home. Whether you are interested in growing mushrooms as a hobby or commercial production, this workshop will provide the information you need before getting started. This workshop will have a classroom session to introduce you to growing methods utilized to grow shiitake, oyster, lions mane, and stropharia mushrooms. We will also discuss maintenance, suppliers, and further resources. A hands on portion will demonstrate inoculation techniques. All participants get to inoculate and take home a log that will grow shiitake mushrooms. This project will get messy so dress accordingly. We will be outdoors for the hands on portion. All materials will be provided. Registration is first come, first served and pre-paid registration is required to reserve a space in this workshop. For complete workshop information and registration details, call Don Gasiewicz at 585-786-2251 ex.113 or email [drg35@cornell.edu](mailto:drg35@cornell.edu) you can also register online at: <http://wyoming.cce.cornell.edu/events/2018/04/19/outdoor-log-grown-mushroom-workshop>



## Friday, April 20

**Fourteenth Annual Symposium on Energy in the 21st Century**-East Syracuse, NY, [REGISTER NOW](#)

**Beginning Bonsai Workshop**-6 to 9 p.m. at the Botanical Gardens, 2655 South Park Ave., Buffalo. Get up close and personal with a tree with these hands-on workshops. Participants will fashion a live bonsai tree while learning about the art of bonsai, techniques and styles with the Buffalo Bonsai Society. Space is limited. Materials are provided but participants may wish to bring hand clippers and wear gardening gloves. Bringing a box to transport the finished product is recommended. This workshop will also be offered from 6 to 9 p.m. Thursday, April 19. The cost is \$75 for Botanical Gardens members and \$80 for the general public. Registration is available [online](#).

**Sunset Saunter**-7 to 9pm at [Knox Farm State Park](#). Enjoy the sights and sounds of nature as we set out on a sunset saunter to the waterfall of Knox. *For information and registration call (716) 549-1050.*

**Buckhorn Night Swamp People!**-7:30 to 9pm at [Buckhorn Island State Park](#). Will'O the Wisp, Swamp Sucker Mist, leads us astray along Nightjar way. Whinnied screech owls fright, by Niagara's flowing might. A symphibian chorus tonight, through Buckhorn Island by candlelight! *For information and registration call (716) 549-1050.*

**Earth Democracy: Sustainability, Justice and Peace**-Dr. Vandana Shiva will speak in the RENEW Distinguished Lecture Series. The ecological crisis and social crisis are interconnected. Exploitation of the earth and injustice to the more vul-nerable members of society are rooted in the same causes. Fossil fuel based Industrial agriculture is an example. It is contributing to desertification, the water crisis, biodiversity erosion and Greenhouse gas emissions as I have analysed in my book Soil not Oil. Destruction of Biodiversity and soil health is leading to hunger and malnutrition. Displacement of farmers is leading to conflicts. The links to policy will also be addressed. Center for the Arts Screening Room, UB North, 2:30-3pm Networking, 3-4:30pm Lecture and Discussion. To reserve a place, [register](#).

## Saturday, April 21

**Earth Day Cleanup at Penn Dixie**-10am to 2pm. Join our team of volunteers as we perform the annual cleanup of Penn Dixie and prepare to reopen the site to the public. Volunteers are needed and admission is FREE to all who help. Contact [phil@penndixie.org](mailto:phil@penndixie.org) or call 716-627-4560 to signup. Pizza will be provided to all helpers.

**Public Fossil Collecting**- 9am – 5pm at Penn Dixie Fossil Park & Nature Reserve, 4050 North St, Blasdell, NY 14219, USA ([map](#)). Unearth the Unexpected! Join us for guided fossil collecting tours at our regular admission prices. All ages welcome.

**Jupiter and the Spring Constellations**-8pm – 10pm at Penn Dixie Fossil Park & Nature Reserve, 4050 North St, Blasdell, NY 14219, USA ([map](#)). View Jupiter's rise through the night sky against a backdrop of the newly-arrived spring constellations. Our telescopes will focus on Cassiopeia, Leo, and Gemini as well as the deep space M44 Beehive Cluster. For moon enthusiasts, a waxing crescent moon will be studied as well. <https://penndixie.org/jupiter-and-spring-constellations/>

**Horticulture IV Classes: Creative Containers and Raised Beds**-11am to 1pm at Botanical Gardens, 2655 South Park Ave., Buffalo. The classes will be taught by horticulturist David Clark, who is becoming one of the country's noted garden speakers. These classes are great for beginners or gardeners and landscapers wishing to brush up on their skills. Those who complete each series will be presented with a certificate. The cost for Botanical Gardens members for a full series of five classes is \$100 and the cost for individual classes is \$22. For non-members, the cost for the series is \$120 and the cost for individual classes is \$27. Registration and more information can be found [online](#).

**Buffalo Niagara Waterkeeper Shoreline Cleanup-** This is the largest single-day shoreline cleanup in WNY. It will be from 10 am - 12 pm and there will be a volunteer celebration at Resurgence afterwards from 12 pm - 2 pm. Registration can be found here! <https://bnwaterkeeper.org/programs/cleanup/> There are over 40 sites!

**Robotics Workshop-**1 to 3pm. Join us for a workshop. Students will learn how to make a table top robot move and sense its environment. We will explore basic electronics and prototype circuits. We will also use the Arduino programming language to do beginner level coding including input, output, looping and variables. The Sensational Saturday Series at NYPA's Niagara Power Vista is presented by WNY STEM Hub and Mission Ignite: Powered by Computers for Children. 716-286-6661. 5777 Lewiston Rd., Lewiston. Free of charge, Registration preferred, please reserve a spot via email: [npvista@nypa.gov](mailto:npvista@nypa.gov), Suitable for kids in grades 5-8.

**North Tonawanda Audubon Preserve Spring Shoreline Sweep** – 10am to noon. Join us in partnership with Buffalo Niagara Waterkeeper's Spring Shoreline Sweep for a clean-up of our North Tonawanda Preserve. Meet at Kinkead entrance off of Meadow Drive in North Tonawanda. Please wear waterproof footwear. Pre-registration required. To register, please visit: <https://bnwaterkeeper.org/programs/cleanup/>

**Woods Walk: Spring Wildflowers-**11am. Join a guided nature walk to search for the early wildflowers of spring. No registration required. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

**Make a Reusable Bag-**2 to 4pm. Stop in with your old t-shirts and plastic bags and we'll help you transform them in to reusable bags and holders for all your shopping needs. No registration required, call 716-683-5959 for more information.

**Birding 101: Class #4-**2:30pm. Who's in the pond? Who's flying over the pond? And who's hiding in the reeds? Learn about the ducks and wetland birds of Reinstein Woods. For adults and children ages 8 and older. Registration required; call 716-683-5959 to sign up. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

**Open House Modern Recycling; Material Recycling Facility-**266 Hopkins St., Buffalo. Visit [www.buffalorecycles.org](http://www.buffalorecycles.org) for details.

**Earth Day Art Happening Event-**6pm at St. Luke's Episcopal Church, Jamestown. The program begins in the chapel with environmental reflections by coalition members, and is followed by ten-minutes of mindfulness (Earth healing meditation, contemplation, and/or prayers). The entertainment begins at 6:20 with the unveiling of the "Pillar of Light" sculpture and Autumn Echoe's Mother Earth poetry. Next, Bill Ward and the Earth Day Review will be followed by a reception. The program is intergenerational, non-sectarian, free, and open to the public. Join in the spirit of the original Earth Day where young and old, and left and right, labor and management united to clean America's waters, air, and soils for future generations. [info](#)

**Earth Day Cleanup at Pelion-**1 to 3pm. 206 Best St., Buffalo. <https://www.grassrootsgardens.org/event-calendar.html>

**Earth Weekend Shoreline Sweep: Unity Island-**10am to noon. Join your League of Women friends to celebrate Earth Day Eve by cleaning up litter at Buffalo's Unity Island Park. This scenic park is located off Niagara Street near the International Railroad Bridge, almost across from the foot of Amherst Street. Volunteers must register on the Buffalo Niagara Waterkeeper website, [www.bnwaterkeeper.org](http://www.bnwaterkeeper.org). Sign up for the Unity Island location or if you prefer a different site, just choose it from the online list. Waterkeeper provides bags for trash and recyclables, as well as cotton gloves. Questions: call Ellen Gibson at 882-3488 after April 5. All volunteers are welcome to sign up for the After-Sweep Party.

**Mushrooming w/ Richard Price-**2pm. Learn how to produce delicious mushrooms in your own back yard. Urban Roots workshop in collaboration with Grass Root Gardens of WNY. Call the store @ [716-362-8982](tel:716-362-8982) or email us @ [info@urbanroots.org](mailto:info@urbanroots.org) to secure your spot as space is limited. All classes are FREE except where noted.

**Tortoise and the Hare 5K Run & Fun Run/Walk**-9:00am-12:00pm at Chestnut Ridge Park, MacKinnon Lodge. An annual fund-raising event involving a 5K race and a one-mile family fun run/walk through the scenic landscapes of Chestnut Ridge Park. Runners of all ages are welcome! Food trucks will also be on-site. Check out [earthspiritedu.org](http://earthspiritedu.org) for registration information.

**Intro to Permaculture**- 10:30 a.m. to noon at [Lockwood's Greenhouse](#), 4484 Clark St., Hamburg. Tom Szulist of Singer Farm Naturals will discuss how implementing small changes can get big results in the natural world around us. He and his wife operate a certified organic farm while deploying permaculture principles. Permaculture is a way of observing how nature works and then working to enhance what nature does best. The discussion will look at things that are obvious to the bacteria and fungi that we can't see. The cost for the class is \$10. [Register online.](#)

**Black Thumb Gardening**-25.00, 6pm at Masterson's Nursery, East Aurora. If you're envious of the beautiful succulent planters that you see in design magazines but can't keep them alive, then come on in and put together a "faux" planter. Class fee includes faux succulents, soil (ya know, so it LOOKS real), and decorative stone and moss to accessorize. You can purchase any one of our glass terrarium planters for 50% off on class day, so you can truly choose something that will look great with your decor. Also, faux gardening is often more fun with friends and wine, so grab a friend and a bottle of wine and join us! Seating is limited, so registration is required. [Register](#)

**Eagle Watch**-1 to 4pm at Cayuga Overlook at Iroquois National Wildlife Refuge.  
[http://www.friendsofiroquoisnwr.org/documents/2018\\_IO\\_brochure.pdf](http://www.friendsofiroquoisnwr.org/documents/2018_IO_brochure.pdf)

**Birding by Car**-10am to noon. Meet at Cayuga Overlook at Iroquois National Wildlife Refuge.  
[http://www.friendsofiroquoisnwr.org/documents/2018\\_IO\\_brochure.pdf](http://www.friendsofiroquoisnwr.org/documents/2018_IO_brochure.pdf)

**Animal Training**-Buffalo Zoo Workshop. 10:00 a.m. – 12:00 p.m. Ages: Families with children ages 6 and up  
Animals are smarter than you think. Join us as we learn about animal behaviors, see how and why our keepers train the animals, and even become a trainer for one of our animal friends! Fee for Animal Training and Roaring with the Big Cats, Non-Members \$30.00, Members \$25.00 [register](#)

**28th Annual ENVIRUN 5K!**-10:30 AM at Whirlpool State Park, Niagara Falls, NY. Come run with us along the beautiful Niagara River Gorge then stay for the party and explore the park! Post-race party includes overall and age group awards, food, drinks & live music. [Register](#) online using imATHLETE link

**Fredonia Household Electronic Recycling Day**-9am to 12:30pm. SUNY Fredonia, visit  
[https://fa.fredonia.edu/sites/fa/files/section/earthmonth/Electronics%20Recycling%2010x9.5\\_2018\\_v2.pdf](https://fa.fredonia.edu/sites/fa/files/section/earthmonth/Electronics%20Recycling%2010x9.5_2018_v2.pdf)

## Sunday, April 22

**Earth Day Volunteer Event**- Tifft Nature Preserve, 9am to 12pm or 1pm-4pm. ages 12+, free. Registration required at [www.tifft.org](http://www.tifft.org)

**Nature Potions Workshop**-2 to 3:30pm, \$8 per child with adult, all ages. Tifft Nature Preserve. Preregister at [www.tifft.org](http://www.tifft.org)

**Taste of the Southtowns** -11:30-5 P.M. INSIDE St. Aloysius Hall, 190 Franklin St., Springville. Fundraiser for Gooseneck Hill Waterfowl Sanctuary. 7 Restaurants will be serving 50 food items. Food Items from \$2.00 to \$5.00. 50 Basket Chinese Auction, Silent Auction, 2 Live bands:"Nip n' Tuck" with Dave Tucker and "The Rustic Ramblers" with Gene Hilts on steel guitar. Get a Massage by Eric Davis for \$1/minute. Free Admission with \$10 purchase of Chinese auction or food tickets. Proceeds benefit Gooseneck Hill Waterfowl Sanctuary, a 501c3 organization, the largest waterfowl sanctuary in the US with over 700 endangered and protected ducks, geese and swans and over 70 different species. For info call 716-942-6835, [rosebird@frontiernet.net](mailto:rosebird@frontiernet.net), [www.gooseneckhillwaterfowlfarm.com](http://www.gooseneckhillwaterfowlfarm.com)

**GObike Buffalo Community Workshop: Fix a Flat-** 6-7:30 pm. It happens to everyone — that pop and the hiss of escaping air. Come get some hands-on instruction and don't let a flat tire ruin your ride ever again! Learn the ins and outs of fixing a flat. Includes hands-on instruction on tube patching and tube and tire removal and re-installation. We will also discuss different types of punctures as well as flat prevention. All classes take place at the GObike Community Workshop at 98 Colvin Avenue. Cost for classes is \$10 and most sessions are limited to 10 people. Please RSVP to [stacy@gobikebuffalo.org](mailto:stacy@gobikebuffalo.org) at least TWO days prior to class if you plan to attend.

**Field Trip: Braddock Bay Hawkwatch-**Join Buffalo Ornithological Society. Meet at 9:30 AM in the parking lot at Braddock Bay State Park, 199 E Manitou Road, 14468. David Gordon leads this joint trip with the RBA (Rochester Birding Association). Weather permitting, we will indulge in the spectacle of spring hawk migration from the hawkwatch platform. The bay should also have good numbers of waterfowl and the nearby woods may hold new arrival passerines. If owls are present, a short trip to Owl Woods will also enliven the day! This is a full day trip so bring drinks, lunch, snacks, sunscreen and a chair (for hawk watching). Bathrooms are available at the park. Be aware that a lake breeze can develop this time of year which is a cool/cold breeze out of the north compliments of Lake Ontario. Dress appropriately. Leader David Gordon ([dgordonphoto@yahoo.com](mailto:dgordonphoto@yahoo.com))

**Jennifer Pharr Davis-**Exact time and location to be determined. Join Jennifer Pharr Davis, a hiker, author, speaker, and *National Geographic* Adventurer of the Year, who has covered over 14,000 miles of long distance trails on six different continents! She will discuss her most recent book and adventures before joining us on a hike along the Niagara Gorge. *For information and registration call (716) 282-5154.*

**"Protecting God's Creation; Meaningful Action and More"-** at Temple Shir Shalom at 4660 Sheridan Dr. from 4:30 to 6:30.

### Monday, April 23

**Budding Naturalists-**9:00am - 11:30am at Tiff Nature Center. Our Reggio Emilia-inspired drop-off early childhood program and dedicated classroom will nurture your child's sense of wonder and curiosity for nature while encouraging physical, cognitive, social and emotional development. Attend one or two days per week. Advance [registration](#) required. Call 716.896.5200 x204 for more information. Ages 3-5.

**“Doing Justice to the Archive: Climate Change in the Octavia E. Butler Papers”-**4:00 pm - 5:30 pm. Shelly Streeby (UCSD, Literature / Ethnic Studies) will present a lecture, “Doing Justice to the Archive: Climate Change in the Octavia E. Butler Papers.” 306 Clemens Hall, UB South.

**Transforming Our Tomorrow: A New Clean Energy Vision (student pitch competition)** – 4:30-6 p.m., Baird Recital Hall. Individual students and student teams from across New York State were invited to present their ideas to change the unsustainable system of energy production. Ideas were submitted via either a five-minute talk or a PechaKucha-style presentation with images. Eight individuals or groups will be selected to pitch their innovations at the [symposium](#). First place will receive \$3,000, second will take home \$1,500 and third place gets \$750. Presenters will be asked to challenge the audience’s pre-conceived notions of a particular topic; present something that the audience has probably never thought about; reveal something the audience has never considered about an existing topic; and inspire the audience to take action. Geology faculty members Jason Briner, professor, and Kristen Poinar, assistant professor, will help coach student presenters on their talks. This event is part of UB’s participation in the Reforming the Energy Vision (REV) Campus Challenge, made possible by the New York State Energy Research and Development Authority (NYSERDA).

### Tuesday, April 24

**Center for the Study of Art, Architecture, History, & Nature (C-SAAHN) Lecture Series-**Noon to 1pm at Downtown Buffalo & Erie County Public Library, Ring of Knowledge area (past Fable’s Café). Free and open to the public. For speaker and topic, visit <http://imaginelifelonglearning.com/lecture-series-early-spring-2018-schedule/>

**Sierra Club Meeting-** 7 to 9pm in Room 229, Duns Scotus Hall, Daemen College, 4380 Main St., Amherst, 14226. All welcome. Check meeting details at <https://niagarasierraclub.com/>

### Wednesday, April 25

**Volunteer Training: Birdwatching** – 10am to noon. Join us at Beaver Meadow and learn how to lead a tour with students using proper use of binoculars and field guides. Learn the basics of identifying bird species. Pre-registration is required. Please call 585-457-3228 to register. This training is for existing and new volunteers interested in leading school programming at Beaver Meadow.

**Adult Workshop: The Shape of Color** -Buffalo Science Museum from 6-7pm. [www.buffsci.org](http://www.buffsci.org), \$15, pre-register at 716-896-5200, x342. Adults only.

**Budding Naturalists**-9:00am - 11:30am at Tiff Nature Center. Our Reggio Emilia-inspired drop-off early childhood program and dedicated classroom will nurture your child's sense of wonder and curiosity for nature while encouraging physical, cognitive, social and emotional development. Attend one or two days per week. Advance [registration](#) required. Call 716.896.5200 x204 for more information. Ages 3-5.

**West Valley Citizen Task Force Meeting**-6:30 – 8:00 p.m. at Ashford Office Complex, 9030 Route 219, West Valley, NY.

**Beekeeping Class - Hive Inspection (Classroom)**- 6:30 PM- 7:30 PM, Masterson's Nursery, East Aurora. We know we're supposed to inspect our hives periodically, but how often do we need to do it and what the heck are we looking for anyway? Lots of pictures and tips we've learned over the years. Pre-registration is required. [Register](#) today so we can save you a seat!

**Gentrification: Exploring Solutions**-5:00 p.m. registration, 5:30 - 7:30 p.m. program at Buffalo & Erie County Downtown Public Library Auditorium, 1 Lafayette Square, Buffalo, NY 14203. Use Clinton Street entrance Guest Speaker J. Rosie Tighe, PhD, Associate Professor of Urban Policy and Planning, Cleveland State University. Panelists: Veronica Hemphill-Nichols, Founder, Fruit Belt McCarley Gardens Housing Task Force, Sam Magavern, Executive Director, Partnership for the Public Good, Marimba Milliones, President & CEO, Hill Community Development Corporation, Pittsburgh, PA, Dennis Penman, Penman Development Partners. Join us for a positive, enlightening evening! Our speaker focuses her work on affordable housing, social justice and equitable development as she seeks ways to bridge the gap between research and practice. Our panelists will add insights and perspectives as we consider: *What might work here?* This program is free and open to the public. Make reservations [online here](#) or call the League office at 716-986-4898 by Friday, April 20. Street parking is *free* after 5 p.m. There are also paid lots nearby.

### Thursday, April 26

**Birding with John James Audubon** – 9 to 11am. Join Naturalist Tom Kerr and John James Audubon for a birdwatching hike on the legendary naturalist's 233rd birthday! Bring your binoculars and a sketch pad. Binoculars are available. Pre-registration is required. Please call 585-457-3228 to register. \$5.

**After-School Escape**-4:30 to 5:30pm. Together, kids and their parents or caregivers can enjoy a different, fun, hour-long outdoor activity each week. For children in grades K through 5. No registration required. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

**WNY Food Incubator Workshops: Marketing Workshop**-9 to 11am. This session is an introduction to marketing, including finding your ideal customers, marketing channels, sales and promotion strategies for food products, and social media basics. There will be a guest speaker from the NCCC Small Business Development Center. [Click here for more information](#). The workshops cost \$15 per or \$50 when you sign up for all 4. All classes will be held at [4487 Lake Avenue](#) in Lockport. If you have any questions, please call Ag. Specialist Amanda Henning at 433-8839 or email her at [app27@cornell.edu](mailto:app27@cornell.edu).

**Health Impacts of Air Pollution Exposure During Pregnancy-** 4 to 5pm at 220 Hayes Hall, UB South Campus. This cohort study is designed to characterize the burden of pregnant women's air pollution exposure and explore how it might affect miscarriage, gestational complication, birth outcomes and infant health. Intrauterine exposure to air pollution has been hypothesized to impart multiple-level health threats. First, airborne insults may cause pregnancy complications which are closely related to maternal and neonatal mortality. Second, airborne insults can interfere fetus development, lead to loss of pregnancy and affect birth outcome. Third, intrauterine exposure may also influence neonatal survival, infant development as well as the potential of developing diseases in adulthood. The proposed study aims to address environmental inequity in this vulnerable population. Project team members will recruit and follow-up 200 pregnant women from participating hospitals in Beijing. The aims of the pilot study include: 1) Recruit pregnant women from each participating hospital and retain the cohort through the follow-up period; 2) Assess the feasibility of using personal air sensor in characterizing maternal air pollution exposure at each trimester; 3) Collect and process biological samples.

**"Targeting NY's Trophy Hunters, While Securing Victories for Wild Horses and Swans"**-7pm at Harlem Road Community Center, 4255 Harlem Road (near Main Street) in Amherst. Co-sponsoring this event with Animal Advocates of WNY is Citizen Coalition for Wildlife and Environment, based on Grand Island. Priscilla Feral, the President of Friends of Animals, the national animal advocacy organization based in Connecticut, assisted by Nicole Rivard, their Correspondent/Editor will speak. Admission to the event is a suggested donation of \$10. No one will be turned away if unable to pay the full donation amount. If you plan to attend, please RSVP to our email address or message us on our Facebook page. Our special guests from Friends of Animals would like to have an idea of how many people will be attending. <http://animalswny.org/images/Friends-of-Animals-Event.pdf>

**Documentary Screening: "Seeds of Hope"**-6:00 pm - 7:30 pm at Frank E. Merriweather Library, 1324 Jefferson Ave. Buffalo, NY 14208. Join Voice Buffalo for a screening of the documentary "Seeds of Hope", about one school's successful approach to integrating and educating their immigrant and refugee students within their school community. Discussion will follow the screening, with some guest speakers (TBA). Refreshments will be served at 5:30pm before the event begins. The screening will begin promptly at 6:00pm.

## Friday, April 27

**Behind the Scenes Collections Tour**-Buffalo Science Museum, adults only. \$25. Register at [www.sciencebuff.org](http://www.sciencebuff.org) at least 1 week in advance. 10am-12pm. Cabinet of Curiosities.

**Arbor Day tree tours-** 12:30 to 2 p.m. at the Botanical Gardens, 2655 South Park Ave., Buffalo. Botanical Gardens staff will give free tours of the trees on the property and teach tree identification basics. Tour groups will form at the front entrance. Wearing boots or comfortable shoes is recommended. The public is also invited to join staff for a tree planting at 3:30 p.m.

**Celebrate National Arbor Day: Tree ID Walk DeVeaux Woods State Park**-5:30 to 7:30pm. National Arbor Day is a day to celebrate planting trees. Join a park naturalist on a walk to see the variety of trees we have in our park, and learn why they are so valuable to us now and for future generations! *For information and registration call (716) 282-5154.*

## Saturday, April 28

**Microbits Workshop**-1 to 3pm. Join us for a workshop. Microbits are programmable devices that are smaller than a credit card and can be programmed by you. The device has a display of 36 tiny LED lights which can be used to make letters or images, along with buttons and sensors that allow for programming of simple games. We'll learn how to make it display messages and counters and finally to program a rock, paper, scissors game. The Sensational Saturday Series at NYPA's Niagara Power Vista is presented by WNY STEM Hub and Mission Ignite: Powered by Computers for Children. 716-286-6661. 5777 Lewiston Rd., Lewiston. Free of charge, Registration preferred, please reserve a spot via email: [npvista@nypa.gov](mailto:npvista@nypa.gov), Suitable for kids in grades 5-8.

**Full Moon Family Hike**-7:30 to 9pm for ages 5+, \$6 per person at Tiff Nature Preserve. Bring flashlight (no headlamps). Twilight walk. Registration required at [www.tiff.org](http://www.tiff.org)

**Educator Workshop: Project Learning Tree**-9:30am to 3:30pm. Project Learning Tree is an award-winning environmental education program featuring an interdisciplinary, hands-on curriculum that uses the forest as a window on the world. All activities are correlated to Common Core math and ELA standards. 6 CTLE hours provided. For formal and non-formal educators of students in grades Pre K-8. Registration required; call 716-683-5959 to sign up. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

**Fantasy Nature Quest**-10am. Join a Role Playing Guided Walk as our party journeys into the legendary forest, utilizing animal adaptations to restore balance to our ecosystem. For adults and children age 8 and older. Registration required; call 716-683-5959 to sign up. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

**Vireos for Beginners**-2:30pm. Learn about the vireos that migrate to and through Reinstein Woods. For adults and children ages 8 and older. Registration required; call 716-683-5959 to sign up. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

**Peregrine Falcons of Buffalo** – 10am to 3pm. Join Naturalist Tom Kerr for a city-wide tour of Buffalo's Peregrine Falcon nesting sites. Peregrine Falcon numbers have been increasing across the Buffalo-Niagara Region, and we'll visit four nests that are in the City of Buffalo. Pack a lunch and join us for a day celebrating the fastest animal on earth! Binoculars and spotting scopes are provided. Preregistration is required. Please call 585-457-3228 to register. Donations gratefully accepted.

**34th Annual Spring into Nature Celebration**-Starts: 9:00 am-4pm. Location: Iroquois National Wildlife Refuge, Casey Rd, Basom, NY 14013. Join U.S. Fish and Wildlife for their annual spring celebration with a variety of nature-related exhibits, crafts, fishing demos, and games for the kids. Bird feeder/nesting platform construction, viewing of live birds of prey, archery games, and face painting are some of the returning favorites. [Click here](#) or call 585-948-5445 for more information.

**Eagle Watch**-1 to 4pm at Cayuga Overlook at Iroquois National Wildlife Refuge. [http://www.friendsofiroquoisnwr.org/documents/2018\\_IO\\_brochure.pdf](http://www.friendsofiroquoisnwr.org/documents/2018_IO_brochure.pdf)

**Fairy and Gnome Festival** -10 a.m. to 5 p.m. at the Botanical Gardens, 2655 South Park Ave., Buffalo. Fairies, gnomes, dragons and adventurers in costume will get \$1 off admission. Celebrate spring with our mythical friends. Visitors young and young-at-heart are welcome to visit for fun activities all day long, including fairy-themed crafts and activities, a special scavenger hunt and a chance to view the Fairy House Contest entries and vote. Sponsored by Wegmans. This event is included with Botanical Gardens admission, which is \$11 for adults, \$10 for seniors (62 and older), \$9 for students (13 and older with ID) and \$6 for children ages 3 to 12. Botanical Gardens members and kids 2 and younger get in for free.

**Spring Ephemeral Wildflower Walk**-10am to 12:30pm at [Knox Farm State Park](#). Enjoy the sudden burst of color that carpets the forest floor before the new leaves of summer take hold. *For information and registration call (716) 549-1050.*

**Fiddlehead Frolic**-1:30 to 3:30pm at [Knox Farm State Park](#). A walk through the woods to discover the unfurled fronds of a fern, otherwise known as fiddleheads! *For information and registration call (716) 549-1050.*

**About Boating Safely**-8 hr boating course in Blasdell. For info [course](#) or email [reiner7@verizon.net](mailto:reiner7@verizon.net)

## Sunday, April 29

**Ramp it Up!** – 1 to 3:30pm. Join Director of Education, Lauren Makeyenko at Beaver Meadow while we search for these delicious wild edibles! Everyone will be allowed to harvest their own ramps to take home as well as taste some delicious homemade ramp pizza and other rampy offerings! Ramps (or wild leeks) are only found for a short time in the spring. Space is Limited. Pre-registration is required. Please call 585-457-3228 to register. \$10. Adult Program.

**Buffalo Ornithological Field Trip: Genesee County Park-** Meet at 8am at the Save-A-Lot parking lot at 45 Ellicott St., Batavia, NY (corner of Ellicott and Jackson Streets). Today's adventure will begin on Old Creek Road just south of the City of Batavia. This area has habitat for American Woodcock, Wilson's Snipe and American Bittern. We will also be looking for newly arrived Cliff Swallows and early shorebirds, such as yellowlegs. We will then continue on to Genesee County Park. We will make several stops along the way to scan fields for Lapland Longspur, American Pipit and Horned Lark. At the county park, we will walk gravel roads and a few easy trails as we look for newly arrived migrant passerines, waterfowl and hopefully see and hear Common Raven. There are restrooms at the county park and Doug said he would make sure they are opened for us. How very thoughtful! This will be a half day trip. Bring a lunch to enjoy after our morning birding outing and we can recap the highlights of the day.

**Orchids and Air Plants Class-**1:30 p.m. at [Lockwood's Greenhouse](#), 4484 Clark St., Hamburg. David Clark, CNLP, is an internationally recognized expert on orchids as well as on many other horticulture topics. He is also the horticulture instructor for the Buffalo and Erie County Botanical Gardens. Clark is an excellent speaker who instructs with scientific clarity while also being entertaining. His knowledge and presentation of the subject will make it easy to learn about the care and growing of orchids and air plants. The class is \$10. Please [pre-register](#) so the staff can determine adequate seating. Orchid and air plants will be available for purchase at 20% off for attendees.

### **Monday, April 30**

**Sustainability Movie: "Taken for a Ride"**-6 to 7:30pm at 305 Silverman, UB North. When given a choice in a free market, Americans chose to live in densely populated cities having streetcars over owning and driving cars. In order to survive and thrive, the automotive industry concluded the ability to choose must be taken away, ending the free market. This is the story of how the choice between streetcars and private automobiles was eliminated, resulting in neighborhood destroying highway infrastructure, urban sprawl, and segregation. A brief introduction precedes the movie and a discussion after the movie will be led by Jim Gordon, chair of UB's Professional Staff Alternative Transportation Subcommittee. This movie is presented by University Libraries with co-sponsorship from UB's [Professional Staff Sustainable Living Committee](#) and UB's [Sustainability office](#). Parking is free in UB Student, Faculty, and Staff parking lots after 3:00pm. NFTA ride sharing routes #35 and #44 use Flint Circle stop.

### **Tuesday, May 1**

**Square Foot Gardening w/ Caesandra Seawell**-6pm. Gain the knowledge to get the most out of small spaces. Urban Roots workshop in collaboration with Grass Root Gardens of WNY. Call the store @ [716-362-8982](tel:716-362-8982) or email us @ [info@urbanroots.org](mailto:info@urbanroots.org) to secure your spot as space is limited. All classes are FREE except where noted.

**Sustainable Business Summit** – 8 a.m. to 6 p.m., Hotel Henry. The summit will feature speakers from Panasonic and The Nature Conservancy, the presentation of the first Sustainable Business Roundtable awards, networking opportunities and vendor displays. [Tickets](#) are \$125. UB Engineering Dean Leisl Folks will serve as a moderator for the keynote address with Panasonic. More information is available on the Sustainable Business Roundtable [website](#).

### **Tuesday, May 1, 2018**

**Connecting Buffalo-Niagara and the Larger Binational Region with Commuter Rail: What's Feasible? Where to Start?**- Citizens' Regional Transit Meeting featuring Congressman Brian Higgins – 5:30 - 7:00 p.m., First Presbyterian Church, 1 Symphony Circle. (Convenient to the 3, 7, or 22 buses). Free and open to the public.

**Genesee County Master Gardeners Monthly Garden Talk** -12:15 to 12:45 pm. on the first Tuesday of the month at the Cooperative Extension office, 420 E. Main St., Batavia. Take your lunch. The series is free. Registration is not required. Tips for growing great canna lilies on May 1.



**Niagara Frontier Botanical Society Trip-** 9:00 a.m.: John B. Austin Nature Park in Lockport on Slayton Settlement Road & Wick Road. Wildflower walk in memory of Kalista Lehrer. Meet by Sears (Transit Rd. side) at Eastern Hills Mall. Leader: Michael Siuta, 822-2544.

**Center for the Study of Art, Architecture, History, & Nature (C-SAAHN) Lecture Series-**Noon to 1pm at Downtown Buffalo & Erie County Public Library, Ring of Knowledge area (past Fable's Café). Free and open to the public. For speaker and topic, visit <http://imaginelifelonglearning.com/lecture-series-late-spring-2018-schedule/>

### Wednesday, May 2

**"Saving Chautauqua Lake, Our Greatest Natural Asset, Tourist Attraction, and Economic Engine" -7** PM, at St. Luke's Episcopal Church, Jamestown. Enjoy Willow Fodor's delicious vegetarian dinners from 6-7pm before the CWC presentation. Visit <http://audubonnc.org> to register for dinner. Go to programs (upper right) to view vegetarian dinners/St. Luke's (\$10 per dinner, registration required).  
<https://www.greenupjamestown.com/greenup-jamestown-calendar/>

**GBNRTC Monthly Meeting-**Public welcome. 9:30 to 11am at Niagara Falls, Carnegie Building. All are invited to attend Planning and Coordinating Committee (PCC) Meetings to discuss transportation events, planning initiatives, and projects with [GBNRTC Member Agencies](#).

### Thursday, May 3

**After-School Escape-**4:30 to 5:30pm. Together, kids and their parents or caregivers can enjoy a different, fun, hour-long outdoor activity each week. For children in grades K through 5. No registration required. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

**WNY Food Incubator Workshops: Recipe Commercialization Workshop-**9 to 11am. This class will review the labeling and permits necessary to sell your food product. There will be guest speakers from NYS Ag & Markets and the Cornell Food Venture Center. [Click here for more information](#). The workshops cost \$15 per or \$50 when you sign up for all 4. All classes will be held at [4487 Lake Avenue](#) in Lockport. If you have any questions, please call Ag. Specialist Amanda Henning at 433-8839 or email her at [app27@cornell.edu](mailto:app27@cornell.edu).

## Tips for the Environment:

- 1. Reduce your Plastic footprint-**With the increased awareness of the impact of plastic pollution in our waterways, individuals are looking for ways to eliminate plastic use. A new [PLASTIC POLLUTION CALCULATOR](#) allows you to estimate your personal generation. the [Plastic Pollution Primer and Action Toolkit](#) can help you take the steps to reduce your plastic pollution footprint.
  - 2. Consider a Compost Pile for this year-** If you have thought about composting or having a worm bin but put it off, Spring is a great time to start. Erie County is taking orders for compost bins and rain barrels (see <https://eriecompostersale.ecwid.com/>).
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## Remember the 4 R's: Reduce, Reuse, Recycle, Repair

By Lesley Haynes

Greetings: Spring has arrived and those of us who live in colder climates are slowly coming out of our homes to enjoy the season. We remain conscious of trying not to harm the environment as we watch the Spring flowers starting to bud. I have been thinking of a few things that we can do to reduce the amount of fuel that we purchase.

- **Planning and combining errands:** An easy way to reduce your driving and fuel consumption is to think about all of the errands that you need to take care of before you get behind the wheel. Try to shop in one location and you will find that one ride covering a half-dozen stops can cut out five additional trips. You will not only save fuel, but you will reduce the wear and tear on your car. Purchase items through the Catalog sales - shop by phone or on-line to avoid unnecessary trips in your vehicle.
- **Save money by walking:** Walking is healthier for you than driving. It saves money on gas. It saves the planet. You would be doing your bit to save the world. It saves on paying for parking and the exercise is good for the body.
- **Another option:** Sell your cars. (Especially if you have more than one) Too drastic? Most cities have a Car share system where you can rent a car for a few hours a day or more. All of their cars are economical on gas mileage and they provide an excellent alternative especially for those who live in the inner city.
- **Alternative Transportation:** Bicycle or use public transportation to get to work or school. Carpool to work with people in your area who are going in the same direction.
- **Work from your home:** Many people are setting up an office or business in their home. Some employers are offering perks to their employees if they are willing to work from the comfort of their own residence.
- **Drive less:** Reducing the amount of driving we do, whether by carpooling or foregoing an unnecessary trip, is perhaps the most effective way to decrease the amount of gas that each person uses. Lower gas mileage is good for you, good for your car and good for the environment.
- **Turn off the car:** Idling gets zero miles per gallon and collectively consumes several billions of gallons of fuel per year. According to the U.S. Department of Energy vehicles should be turned off if the expected wait will be longer than 10 seconds, since an idling vehicle can burn as much as one gallon of gas each hour. Turning the car off can save about 5 cents per minute.
- **Buy Regular:** Most gas stations offer Unleaded Premium for 10 to 12 cents a gallon more than Unleaded Regular. Many customers think they are giving their car some kind of extra care by filling up with what they think is the best. Don't do it! According to my car expert sources virtually all automobiles run well on Unleaded Regular; so unless your vehicle documentation specifically states that it requires a premium grade of gas with higher octane, save your money and stick with regular.
- **Find the cheapest gas:** check one of the following weblinks before you leave home to buy your gas – they will let you know which gas station has the lowest prices in your area. <http://www.Buffalogasprices.com>  
<http://www.automotive.com/gas-prices> (type in your location).
- Make sure your vehicle has regular maintenance. I will write more on this topic next month. To be continued.....

“Together we can make a difference”

Lesley Haynes – [lesleyhaynes14@yahoo.com](mailto:lesleyhaynes14@yahoo.com)

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## 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! Help with tour leading, office work, programming, grounds keeping and general maintenance. Every Wednesday 10am-2pm is Volunteer Day at Beaver Meadow. No need to register, but bring a lunch. Call (800) 377-1520 for details.

**Buffalo Carshare-** This new non-profit has brought car-sharing to Buffalo. Volunteers are needed for office help and promotion. Contact them at <http://www.buffalocarshare.org/volunteer.html>.

**Buffalo Central Terminal-** Many different opportunities for people interested in helping to preserve this unique building- people with basic carpentry and repair skills, and those with plumbing or electrical skills, to work inside the building, as well as those interested in staffing events, assisting with fundraising, marketing, operating our gift shop, and other tasks. For info, check <http://buffalocentralterminal.org/you-can-help/volunteer-with-the-ctrc/>.

**Buffalo & Erie County Botanical Gardens-** Docents needed. Training is provided. Tours and hands-on lessons are scheduled in advance, so you may sign up for those that fit your schedule. Other opportunities to help are available too. For info, contact [khammer@buffalogardens.com](mailto:khammer@buffalogardens.com)

**Buffalo Junior Solar Sprint-** If you are interested in helping run the JSS Buffalo event or are interested in finding out more about the Leadership committee, please contact [jssbuffalo@yahoo.com](mailto:jssbuffalo@yahoo.com).

**Buffalo Museum of Science** has volunteer and internship opportunities available for teens, college students and adults. For information, contact Monika McFoy, Director of Community Programs, at 896-5200, ext. 343.

**Buffalo Niagara Waterkeeper-** <https://bnwaterkeeper.org/programs/volunteer/> for opportunities.

**Buffalo ReUse** can use volunteers for many things. To help, contact them at [volunteer@buffaloreuse.org](mailto:volunteer@buffaloreuse.org).

**Clean Air Coalition of WNY-** Help with mailings, phone calls, canvassing and Photovoice (documenting environmental challenges). To help, contact at 852-3813 or [www.cacwny.org](http://www.cacwny.org).

**Excalibur**, a private, non-profit all volunteer, charitable organization seeks competent anglers and captains to help provide free boating and fishing opportunities on Lake Erie for disabled and disadvantaged persons using the organizations new vessel. Contact Director Jim Catalano at [jim@excaliburl.org](mailto:jim@excaliburl.org) or visit <http://excaliburl.org>

**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](mailto:GardenWalkBuffalo@yahoo.com).

**Go Bike Buffalo-** If you're interested or want more information, [info@gobikebuffalo.org](mailto: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 204-0740 or [volunteer@habitatbuffalo.org](mailto: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](mailto:info@hawkcreek.org).

**HOME, Inc.** (Housing Opportunities Made Equal) seeks volunteers to work on various committees to further fair housing. For info/application, email [muj265@homeny.org](mailto:muj265@homeny.org) or visit their website at [www.homeny.org](http://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 772-5110 or [glight@rochester.rr.com](mailto:glight@rochester.rr.com) for more information.

**Junior Solar Sprint Buffalo-** If you are interested in helping run the JSS Buffalo event or are interested in finding out more about the leadership committee, please contact [jssbuffalo@yahoo.com](mailto:jssbuffalo@yahoo.com)

**Lead Safe Erie County** needs volunteers to help paint houses and prevent lead poisoning. For those who are interested, there is also free training for Lead Safe Work Practices Certification. Service learning students, block clubs and others are welcome. Call Mary at 716-833-2929, ext. 117.

**Massachusetts Avenue Project** needs volunteers from the 1st week in April through October on Saturdays from 10-1 PM. <http://mass-ave.org/>

**Olmsted Parks-**Volunteers are needed for tree plantings, special park events, office work and mailings. Please call (716) 838-1249 x. 33 for more info on becoming an Olmsted parks volunteer.

**Penn Dixie Paleontological and Outdoor Education Center-** Volunteers of all ages and backgrounds are needed. Have a few hours a month to help introduce children and adults to the natural sciences? Call (716) 627-4560.

**Queen City Farms-** Contact Meghan at [meghmccallum@gmail.com](mailto:meghmccallum@gmail.com). Remember that families with children are always welcome with parental supervision.

**Preservation Buffalo Niagara-**Interns & volunteers welcome. [www.preservationbuffaloniagara.org](http://www.preservationbuffaloniagara.org).

**Reinstein Woods Nature Preserve** offers a variety of volunteer positions as well as internships for college students. For more info, call 683-5959 or visit <http://www.dec.ny.gov/education/1960.html>.

**Science Firsthand** needs adult mentors to work with children in learning about science. All materials are provided. Mentors and students meet one hour per week after school at a community center. For info, call 858-7548.

**Slow Roll Buffalo-** our volunteer squad of more than 120 serve in a wide variety of roles on Mondays and beyond, from planning routes and keeping the rides smooth to many forms of community outreach. Our big biking family is ever-growing - if you're looking for a fun and fulfilling way to get involved in our community on wheels, please submit an [application!](#)

**Tift Nature Preserve** also needs volunteers for their programs, communications, fund-raising and other events. [716-825-6397](tel:716-825-6397) and [tiftreservations@sciencebuff.org](mailto:tiftreservations@sciencebuff.org).

#### **Additional calendars with local events-**

<http://artvoice.com/calendar>

<http://www.citybration.com>

<http://www.buffalospree.com>

<http://www.exploreny.net/events.php3>

<http://www.metrowny.com/events.php>

<http://www.buffalo.edu/calendar>

Re-Energize Buffalo Blog- <http://renewnrg.blogspot.com/>

<http://buffalorising.com>

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

<http://rochesterenvironment.com/calendar.htm>

### **Additional local blogs and websites-**

Buffalo Barn Raisers- <http://www.buffalobarnraisers.com/>  
Buffalo Niagara Gardening - <http://www.buffalo-niagaragardening.com/>  
Buffalo Niagara Nature Almanac- <http://bnnatureblog.com/>  
Buffalo Issues Alert- <http://groups.yahoo.com/group/BfloIssueAlerts/>  
Buffalo Promise Neighborhoods- <http://buffalopromiseneighborhood.org/>  
Buffalo Tours- <http://buffalotours.blogspot.com/>  
Buffalo Green Fund-<http://www.buffalogreenfund.org/>  
Canning Tips for Food Preservation- <http://www.motherearthnews.com>  
Campaign for Buffalo History, Architecture and Culture- <http://greaterbuffalo.blogs.com/>  
Chirps and Cheeps Bird Blog- <http://www.chirpsandcheeps.com/>  
Daily Public- <http://www.dailypublic.com/>  
Dept. Environmental Conservation Calendar- <http://www.dec.ny.gov/calendar/>  
DEC Green Living Tips- <http://www.dec.ny.gov/public/337.html>  
Edible Buffalo- <http://ediblebuffalo.wordpress.com/>  
Erie Cattaraugus Rail Trail- <http://www.ecatrail.org/>  
Fix Buffalo- <http://fixbuffalo.blogspot.com/>  
Gardening Speakers Bureau <http://gardentalkbuffalo.blogspot.com/p/blog-page.html>  
GBNRTC-<http://www.gbnrtc.org/blog/>  
Guide to Urban Farming- <http://smallfarms.cornell.edu/resources/>  
Healthy Kids/Healthy Communities- <http://hkhcbuffalo.blogspot.com/>  
Learning Sustainability Campaign- <http://www.learningsustainability.com/>  
Parks and Trails NY Trailfinder Site- <http://www.ptny.org/trailfinder/Default.aspx>  
Reuse Action-<http://reuseaction.com/blog/>  
Rochester Environment- <http://www.rochesterenvironment.com/>  
WNY Enviro- <http://groups.yahoo.com/group/WNY-ENVIRO/>  
Outdoors Niagara- <http://www.outdoorsniagara.com/>  
Environmental Tips- <http://www.globalstewards.org/ecotips.htm>  
Good Neighborhood- <http://thegoodneighborhood.com/>  
Buffalo Architecture and History- <http://www.buffaloah.com/>  
Richardson-Olmsted <http://www.richardson-olmsted.com/>  
Times Beach Nature Preserve- [www.facebook.com/pages/Friends-of-Times-Beach-Nature-Preserve/283210257029](http://www.facebook.com/pages/Friends-of-Times-Beach-Nature-Preserve/283210257029)  
All about Nature- <http://www.meetup.com/All-About-Nature-in-WNY/>  
Black Dog Rescue- [www.blackdogsecondchance.org](http://www.blackdogsecondchance.org)  
Peace Weavers- <http://peaceweavers.org/>  
Eco-Island Nature Center- [www.k12.ginet.org/resources.cfm?subpage=6518](http://www.k12.ginet.org/resources.cfm?subpage=6518)  
NY Sport Fishing- <http://www.fishny.com/>  
Erie Canal Trailway- [www.ptny.org/bikecanal](http://www.ptny.org/bikecanal)  
Niagara Watershed Alliance- <http://www.had-e-nuff.com/id6.html>  
Rochester Roots-<http://www.rochesterroots.org/>  
SOLE of Buffalo- <https://www.facebook.com/pages/SOLE-of-Buffalo/242409525795420>  
New York Times Green Energy & Environment-<http://green.blogs.nytimes.com/>  
South Buffalo CREW- <http://www.southbuffalocrew.com/>  
U Save Buffalo/Recycling- <http://www.facebook.com/USaveBuffalo>  
We Love Outdoors-<http://www.weloveoutdoors.com/>  
WNY Chapter/American Chemical Society- <http://wny.sites.acs.org/>  
Fishing Outdoors- <http://www.huntfishnyoutdoors.com/events.php>  
WGRZ Outdoors- <http://www.wgrz.com/local/2-the-outdoors/>  
Citizen Science Opportunities- [listing](#)

### **New York State Resources**

Geographic Information Gateway <http://opdgig.dos.ny.gov/#/home>

### **Green Jobs, Internships and Opportunities**

Environmental Internships-<http://environmentalinterns.ncseonline.org/>

Green Jobs- <http://www.greatgreencareers.com> , <http://www.greenjobs.com/>

UB Green Job list- <http://www.ub-careers.buffalo.edu/green.php>  
Listing of websites-[www.tinyurl.com/SustainabilityAndGreenJobs](http://www.tinyurl.com/SustainabilityAndGreenJobs)

### **Youth Summer/Holiday Camps/Home School Series**

[www.aquariumofniagara.org](http://www.aquariumofniagara.org)  
[www.buffaloudubon.org](http://www.buffaloudubon.org)  
[www.buffalogardens.com](http://www.buffalogardens.com)  
[www.buffscience.org](http://www.buffscience.org)  
[www.tifft.org](http://www.tifft.org)  
[www.buffalozoo.org](http://www.buffalozoo.org)  
[www.penndixie.org](http://www.penndixie.org)  
[www.yourspca.org](http://www.yourspca.org)

### **Education Resources**

[Green Education Foundation](#)  
[Facing the Future](#)  
[Cloud Institute for Sustainable Education](#)  
[Sustainable Futures Institute](#)  
[Nature Generation.](#)  
[The Center for Ecoliteracy](#)  
[Hamline's Center for Global Environmental Education \(CGEE\)](#)  
[The National Science Teachers Association Learning Centers](#)  
[The US Partnership for Education for Sustainable Development](#)

### **Grant Opportunities/Tools**

<https://trust.guidestar.org/grant-writing-101-resources-for-grant-writers>  
<http://assembly.state.ny.us/gan/>  
[www.wnygrantmakers.org/](http://www.wnygrantmakers.org/)  
[www.grantstation.com](http://www.grantstation.com)  
[www.grantwatch.com](http://www.grantwatch.com)  
[www.grantwrangler.com](http://www.grantwrangler.com)  
[www.grantsalert.com](http://www.grantsalert.com)  
<http://www.glrppr.org/funding/>  
<https://attra.ncat.org/index.php>  
<https://grantsreform.ny.gov/>

### **Urban Farms/ Composting/Rural Community-Supported Agriculture/Sustainable Practices-**

Arden Farm- <http://theardenfarm.com/>  
Becker Farms- <http://www.beckerfarms.com/csa>  
Buffalo Organics/Foodscaping Project-<http://www.buffalofoodscaping.com/>  
Canticle Farms-<http://www.canticlefarm.org>  
Common Roots Urban Farm- <https://www.facebook.com/CommonRootsUrbanFarm/>  
Dirt Rich Farm- <http://www.localharvest.org/dirt-rich-farm-M66269>  
Eastern Monarch Butterfly Farm- <https://www.facebook.com/EasternMonarchButterflyFarm>  
Falkimmer Farms- <https://www.facebook.com/FalkimmerFarms/>  
Farmer Pirates-<http://www.farmerpirates.com/>  
Farmers and Artisans- <http://farmersandartisans.com>  
Farmthisway CSA - <http://www.farmthisway.com/>  
Fenton's Produce- [www.fentonsproduce.com](http://www.fentonsproduce.com)  
First Light Farm and Creamery- <http://www.firstlightfarmer.com/>  
Five Loaves Farm- <https://5loavesfarm.org/>  
Good Food Farm- [www.goodfoodfarm.blogspot.com](http://www.goodfoodfarm.blogspot.com)  
Gormley Farms- <https://www.facebook.com/gormleyfarms>  
Green Heron Growers- <http://www.greenherongrowers.com/>  
Green Shoots- [www.jersbuffalo.org/index.php/programs/category/Green Shoots for New Americans](http://www.jersbuffalo.org/index.php/programs/category/Green_Shoots_for_New_Americans)

Groundwork Market Garden- <http://www.groundworkmg.com>  
Harvest Patch- <http://www.harvestpatch.com/>  
Kindred Kreek Farms- <https://www.kindredkreek.com/>  
McCollum Orchards/Wildwood CSA- <http://www.oudfarmnewlife.com/>  
Michigan Riley Farm- <http://michiganrileyfarm.wordpress.com/>  
Native Offerings- <http://nativeofferings.com/>  
Niagara Malt- [www.niagaramalt.com](http://www.niagaramalt.com)  
Plato Dale Farm- <https://platodalefarm.com/>  
Porter Farms- <http://www.porterfarms.org/>  
The Promised Land- <http://promisedlandcsa.com/>  
Providence Creek Farm- <http://www.providencecreekfarm.com/>  
Richardson Farms/Grace's Garden- <https://www.facebook.com/groups/RichardsonFarmsAkronNY/>  
Roots & Wings Family Farm- <https://www.facebook.com/rootsandwingsfarm/>  
Root Down- [www.therootdownfarm.com](http://www.therootdownfarm.com)  
Sinemus Farms- <http://www.sinemusfarms.com/>  
Singer Farms Naturals- [www.singerfarmnaturals.com](http://www.singerfarmnaturals.com)  
Thorpe's Organic Farm- [www.thorpesorganicfamilyfarm.com](http://www.thorpesorganicfamilyfarm.com)  
Wilson Street Urban Farm- <http://wilsonstreeturbanfarm.wordpress.com/>  
WNY Farmers' Markets- [http://www.bestofwny.com/farmers\\_market/](http://www.bestofwny.com/farmers_market/)  
Local Harvest (resource site)-<http://www.localharvest.org/>  
Local Meats- <http://meatsuite.com/>

### **Local Tourism promoting Sustainability**

Buffalo Bites Food Tours- <http://www.buffalobitesfoodtours.com/>  
Buffalo Tours- <http://www.preservationbuffaloniagara.org/buffalo-tours/>  
Niagara Wine Trail - <http://www.niagarawinetrail.org/>

### **Recycling, Reuse, Disposal, Green Cleaning Options: (also check [www2.erie.gov/recycling/index.php?q=node](http://www2.erie.gov/recycling/index.php?q=node))**

Batteries- Twin Village Salvage Recycling, 4153 Broadway, Depew 683-5373  
Batteries, rechargeable- drop offs at Office Depot, Best Buy, Target, Walmart, Lowe's  
Bicycles- Buffalo Blue Bicycle <http://gobikebuffalo.org/>  
Books- [www.booksforafrica.org](http://www.booksforafrica.org), [www.operationpaperback.org](http://www.operationpaperback.org)  
Bottle and jar caps-Weisenbach Recycled Products in Ohio. [CapsCando.com](http://CapsCando.com).  
Bras- [www.donateyourbra.com](http://www.donateyourbra.com), [www.brarecycling.us](http://www.brarecycling.us)  
Building materials- [www.buffaloreuse.org](http://www.buffaloreuse.org)  
Carpet- WNY Professional Flooring, 864-3875  
Cars- <http://www.donateacar.com/>  
Clothing, general-Goodwill, Amvets, Salvation Army, St. Vincent Depaul Society, Ladies of Charity, Goodwill, Hearts for the Homeless -to see what is accepted <https://www.nysar3.org/page/re-clothe-ny-78.html>  
Clothing, formal/business- [www.donatemyweddingdress.org/](http://www.donatemyweddingdress.org/), [www.careergear.org](http://www.careergear.org), [www.dressforsuccess.org](http://www.dressforsuccess.org)  
Compact Fluorescent Light Bulbs-Accepted at all Home Depot stores, Lowe's  
Computer disks, tapes and misc. techno"trash"- <http://greendisk.com/>  
Computer equipment- local Goodwill stores and attended donation centers, Best Buy, Sunnking dropoffs  
Cell Phones-Buffalo Zoo, Aquarium of Niagara and other charities  
Drug disposal best practices and sites- <http://www.dec.ny.gov/chemical/45083.html>, <http://www.dec.ny.gov/gmk/index.html?url=http://www.dec.ny.gov/maps/gmnysmeddropbox.kmz>  
Electronics- [www.greenergadgets.org/recycling-responsibly.html](http://www.greenergadgets.org/recycling-responsibly.html), most electronics stores, [www.sunnking.com](http://www.sunnking.com)  
City of Buffalo residents- 1120 Seneca Street, hours and info [here](#); Other residents, check with your towns.  
Envelopes, tyvek- < 25: Send to Tyvek Recycle, Attn. Shirley B. Wright, 8401 Fort Darling Road, Richmond, VA 23237. More than 25: call 866/33-TYVEK.  
Eyeglasses-Lions Club <http://donateglasses.net/search.html> for sites accepting donations  
Fishing line: Berkley Recycling, 1900 18<sup>th</sup> St., Spirit Lake, IA 51360.  
Fur coats (incl faux fur)- <http://coatsforcubs.com> (used for animal rehab for young animals)  
Gift cards and customer loyalty cards- <http://www.earthworkssystem.com/consumers.html>  
Green Cleaning programs in the workplace-<https://greencleaning.ny.gov/Entry.asp>  
Greeting Cards- <http://www.stjudesranch.org/shop/recycled-card-program/>

Hazardous Household materials- <http://www.hazmanusa.com/>

Household Goods (Appliances, Furniture, Kitchenware)-Goodwill, Salvation Army, Ladies of Charity, St. Vincent DePaul Society (Main St.) 882-3600,

Ink cartridges-[RecyclePlace.com](http://RecyclePlace.com) and most manufacturers

Mattresses- <http://triadrecycle.com/mattress/> Hazman, Buffalo ReUse ReSource

Medicines, expired or unused- [http://www.dec.ny.gov/docs/water\\_pdf/guidance3.pdf](http://www.dec.ny.gov/docs/water_pdf/guidance3.pdf)

Needles, Syringes etc.- <http://www2.erie.gov/health/index.php?q=needle-disposal-amp-access>

Packaging Materials (bubble wrap, peanuts)-UPS Store

Pharmaceuticals-dropoff sites at [map](#)

Plant pots- Mischler's Florist and Nursery, Lavocats Nursery, Lockwood's Nursery, Lowes stores, Home Depot

Plastic shopping bags, cereal liners, packing pillows-groceries, many retailers, [www.plasticfilmrecycling.org](http://www.plasticfilmrecycling.org)

Plastics 1-7- dropoff at Great Lakes Recycling, 22 Mechanic St, North Tonawanda, 716-692-3448

Recycling A to Z - [realsimple](http://realsimple)

Shoes, athletic-[NikeReuseAShoe.com](http://NikeReuseAShoe.com), [Souls4Souls.org](http://Souls4Souls.org) and [OneWorldRunning.com](http://OneWorldRunning.com)

Sports equipment-resell/trade at [www.playitagainsports.com](http://www.playitagainsports.com)

Styrofoam- Thermal Foams, Inc. for clean, white Styrofoam at 2101 Kenmore Ave., 14207. Call first at (716) 874-6474.

Tennis balls- <http://www.rebounces.com/recycle/>

Toys, plastic- [http://dmpgreen.com/mail\\_in.html](http://dmpgreen.com/mail_in.html)

Uses and reuses for many items- <http://www.world.org/weo/recycle>

Water filters-Brita partners with [preserveproducts.com/recycling](http://preserveproducts.com/recycling)

Wetsuits- <https://www.sugamats.com/recycling/>, <https://www.greengurugear.com/pages/recycling-to-upcycle-program>

### **Eco-volunteering with Travel:**

<http://www.planetfriendly.net/learn.html>

<http://www.globalteer.org>

<http://www.ecovolunteer.org/>

<http://www.goeco.org/>

<http://www.woof.org/>

<http://www.americanhiking.org/>

### **Education Courses or Certificates:**

Energy University Website with Schneider Electric- [Courses](#) are free

Green Classroom Professional Certificate- Online courses, info [here](#)

Solar Energy Training- <http://www.solarenergy.org/training-schedule/>

Coursera- [www.coursera.org](http://www.coursera.org)

### **Miscellaneous:**

Green America's guide to Socially Responsible Investing- <http://pubs.greenamerica.org/i/116105>

Buffalo Relocation and Self-Promotion <http://www.wherelifeworks.com/>

Change Food Library <http://www.changefood.org/changefoodlibrary/>

USDA Tool Kit for Local Food [toolkit](#)

### **Videos/Websites**

[Better Than Ed](#)-Video series with Actor Ed Begley encouraging environmentally-friendly practices.

[EJSCREEN](#) is an environmental justice mapping and screening tool.

[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/climate-indicators](http://www.epa.gov/climate-indicators).

[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](#)



[EWG's Guide to Healthy Cleaning.](#)

[EWG's Tap Water Database.](#)

<http://www.nebeginningfarmers.org/online-courses/> -beginning farmer online training through Cornell.

[2018 Fuel Economy Guide](#)

[Climate Hubs](#) provides information for managing risks posed by a changing climate.

**Links to area/state environmental/community sustainability organizations and regularly scheduled activities:**

Adirondack Mountain Club-Niagara Frontier Chapter Meetings 7:30, second Tues. from Sept.-June	<a href="http://adk-nfc.org/">http://adk-nfc.org/</a>
AIA Buffalo Western NY	<a href="https://www.aiabuffalowny.org/">https://www.aiabuffalowny.org/</a>
Air and Waste Management Association	<a href="https://awmanfs.wildapricot.org/">https://awmanfs.wildapricot.org/</a>
Allegany Nature Pilgrimage	<a href="http://alleganynaturepilgrimage.com/">http://alleganynaturepilgrimage.com/</a>
Alliance for the Great Lakes	<a href="http://www.greatlakes.org">www.greatlakes.org</a>
American Planning Association-WNY Section/Upstate	<a href="http://www.wnyapa.com">www.wnyapa.com</a>
American Meteorological Society-WNY Chapter	<a href="https://www.facebook.com/amswnychapter">www.facebook.com/amswnychapter</a>
Amherst State Park Arboretum	<a href="http://www.amherststatepark.org/ASP/Welcome.html">http://www.amherststatepark.org/ASP/Welcome.html</a>
Animal Advocates of Western New York	<a href="http://www.animalswny.org/">http://www.animalswny.org/</a>
Aquarium of Niagara	<a href="http://www.aquariumofniagara.org">www.aquariumofniagara.org</a>
Asha Sanctuary for Rescued Farm Animals	<a href="http://www.ashasanctuary.com/">http://www.ashasanctuary.com/</a>
AWARE-Assoc. for Wild Animal Rehabilitation & Education	<a href="http://www.awarewildlife.com/">http://www.awarewildlife.com/</a>
Bergen Swamp Preservation Society	<a href="http://www.bergenswamp.org/">http://www.bergenswamp.org/</a>
Bless the Beasts Foundation	<a href="http://blessthebeastsinc.webs.com/">http://blessthebeastsinc.webs.com/</a>
Bond Lake Environmental & Beautification Committee	<a href="http://www.freewebs.com/bondlake/">http://www.freewebs.com/bondlake/</a>
Braddock Bay Bird Observatory	<a href="http://braddockbaybirdobservatory.wordpress.com/">http://braddockbaybirdobservatory.wordpress.com/</a>
Buffalo Architecture Foundation	<a href="http://www.buffaloarchitecture.org/">http://www.buffaloarchitecture.org/</a>
Buffalo Astronomical Association	<a href="http://buffaloastronomy.com/">http://buffaloastronomy.com/</a>
Buffalo Audubon Society/Beaver Meadow Nature Center	<a href="http://www.buffaloudubon.org">www.buffaloudubon.org</a>

Buffalo Bike Share	<a href="http://www.buffalobikeshare.org/">www.buffalobikeshare.org/</a>
Buffalo Niagara Community Reinvestment Coalition	<a href="https://www.facebook.com/BNCRC/">https://www.facebook.com/BNCRC/</a>
Buffalo and Erie County Botanical Gardens	<a href="http://www.buffalogardens.com">www.buffalogardens.com</a>
Buffalo Farm to School Program	<a href="http://buffalofarmtoschool.org/">http://buffalofarmtoschool.org/</a>
Buffalo First	<a href="http://www.buffalofirst.org/">www.buffalofirst.org/</a>
Buffalo Geological Society	<a href="http://www.bgsny.org">www.bgsny.org</a>
Buffalo Green Code	<a href="http://www.buffalogreencode.com/">http://www.buffalogreencode.com/</a>
Buffalo Heritage Carousel	<a href="http://buffaloheritagecarousel.org/">http://buffaloheritagecarousel.org/</a>
Buffalo in Bloom	<a href="http://www.buffaloinbloom.com">http://www.buffaloinbloom.com</a>
Buffalo Maritime Center	<a href="http://www.buffalomaritimecenter.org/">http://www.buffalomaritimecenter.org/</a>
Buffalo Museum of Science	<a href="http://www.sciencebuff.org/">www.sciencebuff.org/</a>
Buffalo Niagara Waterkeeper	<a href="https://bnwaterkeeper.org/">https://bnwaterkeeper.org/</a>
Buffalo Olmsted Parks Conservancy	<a href="http://www.bfloparks.org">www.bfloparks.org</a>
Buffalo Orienteering Club	<a href="http://www.buffalo-orienteeing.org/">http://www.buffalo-orienteeing.org/</a>
Buffalo Ornithological Society	<a href="http://www.buffaloornithologicalsociety.org/">http://www.buffaloornithologicalsociety.org/</a>
Buffalo Recycles	<a href="http://buffalorecycles.org/">http://buffalorecycles.org/</a>
Buffalo ReUse	<a href="http://www.buffaloreuse.org/">www.buffaloreuse.org/</a>
Buffalo Urban Development Corp	<a href="http://budc.ecidany.com/">http://budc.ecidany.com/</a>
Buffalo Zoo	<a href="http://www.buffalozoo.org">www.buffalozoo.org</a>
Burchfield Nature and Art Center	<a href="http://www.burchfieldnac.org/">http://www.burchfieldnac.org/</a>
Center for Environmental Information (Rochester)	<a href="http://ceinfo.org/">http://ceinfo.org/</a>
Center for the Study of Art, Architecture, History and Nature	<a href="http://buffaloah.com/h/center/index.html">http://buffaloah.com/h/center/index.html</a>
Chautauqua Watershed Conservancy	<a href="http://www.chautauquawatershed.org/">http://www.chautauquawatershed.org/</a>

Chestnut Ridge Conservancy	<a href="http://chestnutridgeconservancy.org/">http://chestnutridgeconservancy.org/</a>
Citizens Campaign for the Environment	<a href="http://www.citizenscampaign.org">www.citizenscampaign.org</a>
Citizens Coalition for Wildlife and Environment	<a href="http://citizencoalitionwe.com/">http://citizencoalitionwe.com/</a>
Citizens for Regional Transit	<a href="http://www.citizenstransit.org/">www.citizenstransit.org/</a>
Citizen Science Community Resources	<a href="http://www.airhugger.org/">http://www.airhugger.org/</a>
City Action Corps	<a href="http://www.cityactioncorps.org">www.cityactioncorps.org</a>
Clarence Bluebird Trail	<a href="http://www.clarencebluebirdtrail.org">www.clarencebluebirdtrail.org</a>
Clean Air Coalition of Western New York	<a href="http://www.cacwny.org/">http://www.cacwny.org/</a>
Clean Communities of Western New York	<a href="http://www.ccofwny.org/">http://www.ccofwny.org/</a>
Coalition of Positively Charged People	<a href="https://www.coalitionpositive.org/">https://www.coalitionpositive.org/</a>
Community Action Organization of Erie County	<a href="http://www.caoec.org/">http://www.caoec.org/</a>
Community Foundation for Greater Buffalo	<a href="http://www.cfgb.org/">http://www.cfgb.org/</a>
Cornell Cooperative Extension for Cattaraugus County	<a href="http://chautauqua.cce.cornell.edu/">http://chautauqua.cce.cornell.edu/</a>
Cornell Cooperative Extension for Erie County	<a href="http://counties.cce.cornell.edu/erie/">http://counties.cce.cornell.edu/erie/</a>
Cornell Cooperative Extension for Niagara County	<a href="http://counties.cce.cornell.edu/niagara/">http://counties.cce.cornell.edu/niagara/</a>
Daemen College Center for Sustainability	<a href="http://www.daemen.edu/enviro-news">www.daemen.edu/enviro-news</a>
Department of Environmental Conservation (NY State)	<a href="http://www.dec.ny.gov/index.html">www.dec.ny.gov/index.html</a>
Designing to Live Sustainably	<a href="https://www.facebook.com/d2lsBuffalo/">https://www.facebook.com/d2lsBuffalo/</a>
Earth Spirit Educational Services	<a href="http://www.earthspiritedu.org">www.earthspiritedu.org</a>
Environmental Education Associates	<a href="http://environmentaleducation.com/">http://environmentaleducation.com/</a>
Environmental Protection Agency Local Office (716) 551-4410	<a href="http://www2.epa.gov/aboutepa/epa-region-2">http://www2.epa.gov/aboutepa/epa-region-2</a>
Erie Canal Harbor Development	<a href="http://www.eriecanalharbor.com/">http://www.eriecanalharbor.com/</a>
Erie County Community College Going Green	<a href="http://eccgoinggreen.ecc.edu/index.html">http://eccgoinggreen.ecc.edu/index.html</a>
Erie County Conservation Society	<a href="http://eccs-club.org/">http://eccs-club.org/</a>

Erie County Department of Environment and Planning	<a href="http://www2.erie.gov/environment/">http://www2.erie.gov/environment/</a>
Erie County Environment Management Council	<a href="http://www2.erie.gov/environment/">http://www2.erie.gov/environment/</a>
Erie County Farm Bureau	<a href="http://www.ecfarm.com/">http://www.ecfarm.com/</a>
Erie County Federation of Sportsmen's Clubs	<a href="http://www.eriectyfsc.org/">http://www.eriectyfsc.org/</a>
Erie County Parks and Recreation	<a href="http://www.erie.gov/parks">http://www.erie.gov/parks</a>
Erie County Soil and Water Conservation	<a href="http://www.ecswcd.org/">www.ecswcd.org/</a>
Excalibur Leisure Skills	<a href="https://www.facebook.com/excaliburleisureskills/">https://www.facebook.com/excaliburleisureskills/</a>
Explore Buffalo	<a href="http://www.explorebuffalo.org">www.explorebuffalo.org</a>
Farm2Curb	<a href="https://www.facebook.com/farmtocurb">https://www.facebook.com/farmtocurb</a>
Fillmore Forward	<a href="http://www.fillmoreforward.org/">www.fillmoreforward.org/</a>
First Hand Learning	<a href="http://www.firsthandlearning.org">www.firsthandlearning.org</a>
Food Policy Council of Buffalo & Erie County	<a href="http://www2.erie.gov/fpc/">http://www2.erie.gov/fpc/</a>
For A Clean Tonawanda Site	<a href="http://www.factsofwny.com/">www.factsofwny.com/</a>
Foundry	<a href="http://thefoundrybuffalo.org/">http://thefoundrybuffalo.org/</a>
Friends of the Iroquois National Wildlife Refuge	<a href="http://www.friendsofiroquoisnwr.org/">http://www.friendsofiroquoisnwr.org/</a>
Friends of Times Beach Nature Preserve	<a href="http://www.friendsoftimesbeachnp.org/">http://www.friendsoftimesbeachnp.org/</a>
Foothills Trail Club	<a href="http://www.foothillstrailclub.org">www.foothillstrailclub.org</a>
Gardens Buffalo Niagara	<a href="https://gardensbuffaloniagara.com/">https://gardensbuffaloniagara.com/</a>
Garden Clubs of WNY	<a href="http://www.gardenclubsofwny.com">www.gardenclubsofwny.com</a>
Genesee County Nature Center	<a href="http://co.genesee.ny.us/departments/parks/inc.php">http://co.genesee.ny.us/departments/parks/inc.php</a>
Genesee County Village & Museum	<a href="https://www.gcv.org/">https://www.gcv.org/</a>
Global Justice Ecology Project	<a href="http://globaljusticeecology.org/">http://globaljusticeecology.org/</a>
Go Bike Buffalo	<a href="http://gobikebuffalo.org/">http://gobikebuffalo.org/</a>
Good Going WNY	<a href="http://www.goodgoingwny.com">www.goodgoingwny.com</a>

Gooseneck Hill Waterfowl Sanctuary	<a href="http://www.gooseneckhillwaterfowlfarm.com">www.gooseneckhillwaterfowlfarm.com</a>
Grassroots Gardens of Buffalo	<a href="http://www.grassrootsgardens.org/">www.grassrootsgardens.org/</a>
Greater Buffalo-Niagara Regional Transportation Council	<a href="http://www.gbnrtc.org/">www.gbnrtc.org/</a>
Great Lakes Beach Sweep	<a href="http://greatlakesbeachsweep.org/">http://greatlakesbeachsweep.org/</a>
Great Lakes Center at Buffalo State College	<a href="http://greatlakescenter.buffalostate.edu/">http://greatlakescenter.buffalostate.edu/</a>
Great Lakes Experience	<a href="http://www.thegreatlakesexperience.org">http://www.thegreatlakesexperience.org</a>
Green Development Zone	<a href="http://greendevlopmentzone.org/">http://greendevlopmentzone.org/</a>
Green Sun Seed Library	<a href="https://www.facebook.com/groups/GreenSunSeedLibrary/">www.facebook.com/groups/GreenSunSeedLibrary/</a>
Greenup Jamestown	<a href="https://www.greenupjamestown.com/">https://www.greenupjamestown.com/</a>
Greenworks WNY	<a href="https://www.facebook.com/Greenworks-Buffalo-Niagara-418537631544691/">https://www.facebook.com/Greenworks-Buffalo-Niagara-418537631544691/</a>
Groundwork Buffalo	<a href="http://www.gwbuffalo.org">www.gwbuffalo.org</a>
Habitat for Humanity Buffalo	<a href="http://www.habitatbuffalo.org/">http://www.habitatbuffalo.org/</a>
HEART Animal Rescue and Adoption	<a href="https://www.heartforanimals.org/events.php3">https://www.heartforanimals.org/events.php3</a>
Heart of the City Neighborhoods, Inc.	<a href="http://www.hocn.org">www.hocn.org</a>
H.O.P.E of WNY	<a href="http://bkhopeducation.wixsite.com/hopeducation-network">http://bkhopeducation.wixsite.com/hopeducation-network</a>
Housing Opportunities Made Equal	<a href="http://www.homeny.org/">http://www.homeny.org/</a>
Imagine Greater Buffalo Lifelong Learning	<a href="http://imaginelifelonglearning.com/">http://imaginelifelonglearning.com/</a>
Innovation Center Buffalo	<a href="http://innovationcenterbuffalo.org/">http://innovationcenterbuffalo.org/</a>
Iroquois National Wildlife Refuge	<a href="http://www.fws.gov/refuge/iroquois/">http://www.fws.gov/refuge/iroquois/</a>
Jamestown Audubon Center & Sanctuary	<a href="http://auduboncnc.org/">http://auduboncnc.org/</a>
Jamestown Community College	<a href="http://www.sunyjcc.edu/sustainability">http://www.sunyjcc.edu/sustainability</a>
Junior Solar Sprint Buffalo	<a href="http://www.jssbuffalo.com">www.jssbuffalo.com</a>
Lake Erie Seaway Trail Center	<a href="http://lakeeriseawaytrail.org/">http://lakeeriseawaytrail.org/</a>
League of Women Voters of Buffalo Niagara	<a href="http://www.lwvbn.org/">http://www.lwvbn.org/</a>

Learning Sustainability Campaign	<a href="http://www.learningsustainability.com/">http://www.learningsustainability.com/</a>
Local Initiatives Support Corporation	<a href="http://www.lisc.org/buffalo/">http://www.lisc.org/buffalo/</a>
Massachusetts Avenue Project	<a href="http://mass-ave.org/">http://mass-ave.org/</a>
Matt Urban Human Services Center	<a href="http://urbanctr.org/">http://urbanctr.org/</a>
Messinger Woods Wildlife Care and Education Center, Inc	<a href="http://www.messingerwoods.org">www.messingerwoods.org</a>
Nannen Arboretum	<a href="http://www.nannenarboretum.org/">http://www.nannenarboretum.org/</a>
Nature Conservancy-Central and Western New York Chapter	<a href="http://Nature.org/centralwestern">http://Nature.org/centralwestern</a>
Nature Sanctuary of Western New York	<a href="http://nsswny.org/">http://nsswny.org/</a>
New York Farm Bureau	<a href="http://www.nyfb.org/">http://www.nyfb.org/</a>
New York Flora Association	<a href="http://www.nyflora.org/">http://www.nyflora.org/</a>
New York Forest Owner's Association	<a href="http://www.nyfoa.org">www.nyfoa.org</a>
New York Interfaith Power and Light	<a href="http://www.newyorkipl.org/">www.newyorkipl.org/</a>
New York League of Conservation Voters	<a href="http://www.nylev.org/">http://www.nylev.org/</a>
New York Power Authority	<a href="http://www.nypa.gov">www.nypa.gov</a>
New York Public Interest Research Group	<a href="http://www.nypirg.org/">http://www.nypirg.org/</a>
New York State Association of Conservation Commissions	<a href="http://www.nysaccny.org/index.php">http://www.nysaccny.org/index.php</a>
New York State Ornithological Association	<a href="http://nybirds.org/index.html">http://nybirds.org/index.html</a>
New York State Outdoor Education Association	<a href="http://nysoea.org/">http://nysoea.org/</a>
New York State Parks	<a href="http://www.nysparks.com">www.nysparks.com</a>
New York State Sea Grant	<a href="http://www.seagrantsunysb.edu/">http://www.seagrantsunysb.edu/</a>
New York State Soil and Water	<a href="http://www.nys-soilandwater.org/">http://www.nys-soilandwater.org/</a>
Northeast Sustainable Agriculture Working Group	<a href="http://nesawg.org/">http://nesawg.org/</a>
New York Upstate Chapter of the Green Building Council	<a href="http://www.greenupstateny.org/">http://www.greenupstateny.org/</a>
New York State Wetlands Forum	<a href="http://www.wetlandsforum.org">http://www.wetlandsforum.org</a>

Niagara County Farm Bureau	<a href="http://www.niagaracountyfarmbureau.com/">http://www.niagaracountyfarmbureau.com/</a>
Niagara County Landfill and Recycling	<a href="http://www.rethinkyourwaste.com/">http://www.rethinkyourwaste.com/</a>
Niagara County Parks	<a href="http://www.niagaracounty.com/Parks/">http://www.niagaracounty.com/Parks/</a>
Niagara County Soil and Water Conservation District	<a href="http://www.niagaraswcd.com">www.niagaraswcd.com</a>
Niagara Fishing Expo	<a href="http://niagarafishingexpo.com/">http://niagarafishingexpo.com/</a>
Niagara Frontier Botanical Society	<a href="https://sites.google.com/a/niagarafontierbotanicalsociety/botanical-society/home/">https://sites.google.com/a/niagarafontierbotanicalsociety/botanical-society/home/</a>
Niagara River Anglers Association	<a href="http://www.niagarariveranglers.com">http://www.niagarariveranglers.com</a>
Niagara River Greenway Commission	<a href="http://www.niagaragreenway.org">www.niagaragreenway.org</a>
Niagara University Sustainability	<a href="http://www.niagara.edu/green/">http://www.niagara.edu/green/</a>
Northeast Organic Farming Association of New York	<a href="http://nofany.org">http://nofany.org</a>
Oakmossed Education	<a href="http://oakmossed.com">http://oakmossed.com</a>
One Region Forward	<a href="http://www.oneregionforward.org/">http://www.oneregionforward.org/</a>
Open Buffalo	<a href="http://www.openbuffalo.org/">http://www.openbuffalo.org/</a>
Our Outer Harbor	<a href="http://www.ourouterharbor.org/">http://www.ourouterharbor.org/</a>
Partners for a Livable WNY	<a href="https://www.livablewny.org/">https://www.livablewny.org/</a>
Partnership for the Public Good	<a href="http://www.ppgbuffalo.org">www.ppgbuffalo.org</a>
Paths, Peaks and Paddles	<a href="http://www.pathspeakspaddles.com">www.pathspeakspaddles.com</a>
Penn Dixie Paleontological and Outdoor Education Center	<a href="http://www.penndixie.org">www.penndixie.org</a>
Pfeiffer Nature Center (Portville)	<a href="http://www.pfeiffernaturecenter.org">www.pfeiffernaturecenter.org</a>
People United for Sustainable Housing	<a href="http://www.pushbuffalo.org">http://www.pushbuffalo.org</a>
Plant WNY	<a href="http://www.plantwny.com/">http://www.plantwny.com/</a>
Preservation Buffalo Niagara	<a href="http://www.preservationbuffaloniagara.org/">http://www.preservationbuffaloniagara.org/</a>
Primate Sanctuary	<a href="http://theprimatesanctuary.com">http://theprimatesanctuary.com</a>

Regional Councils NYS	<a href="http://regionalcouncils.ny.gov">http://regionalcouncils.ny.gov</a>
Reinstein Woods Nature Preserve	<a href="http://www.dec.ny.gov/education/1837.html">www.dec.ny.gov/education/1837.html</a>
ReNU Niagara	<a href="http://www.niagara.edu/renu/">http://www.niagara.edu/renu/</a>
Reptile Adoption, Rehabilitation and Education, Inc. (RARE)	<a href="http://rarerehab.org/">http://rarerehab.org/</a>
Restore our Community Coalition	<a href="http://rocbuffalo.org/">http://rocbuffalo.org/</a>
Retree Western New York	<a href="http://www.re-treewny.org">www.re-treewny.org</a>
ReUse Action	<a href="http://reuseaction.com/">http://reuseaction.com/</a>
Rise Up for Climate Justice	<a href="https://www.facebook.com/riseupforclimatejustice/">https://www.facebook.com/riseupforclimatejustice/</a>
Rochester Environmental Groups	<a href="http://rochesterenvironment.com/EXTRA/enviromentalists.htm">http://rochesterenvironment.com/EXTRA/enviromentalists.htm</a>
Roger Tory Peterson Institute	<a href="http://www.rtpi.org">www.rtpi.org</a>
Science Demands Action	<a href="http://www.sciencedemandsaction.org">www.sciencedemandsaction.org</a>
Service Collaborative of WNY	<a href="http://www.tscwny.org/">http://www.tscwny.org/</a>
Sierra Club (Niagara Group of Atlantic Chapter)	<a href="http://niagarasierraclub.com/">http://niagarasierraclub.com/</a>
Slow Roll Buffalo	<a href="http://slowrollbuffalo.org/">http://slowrollbuffalo.org/</a>
South Buffalo Alive	<a href="https://www.facebook.com/South-Buffero-Alive-174141769403626/">https://www.facebook.com/South-Buffero-Alive-174141769403626/</a>
SPCA serving Erie County	<a href="http://www.yourspca.org">www.yourspca.org</a>
Street Synergy	<a href="http://www.streetsynergy.org/">http://www.streetsynergy.org/</a>
SUNY Fredonia	<a href="http://www.fredonia.edu/gogreen/">http://www.fredonia.edu/gogreen/</a>
Sustainability at Buffalo State	<a href="http://sustainability.buffalostate.edu/">http://sustainability.buffalostate.edu/</a>
Sustainable Earth Solutions	<a href="http://www.sustainableeartholutions.com">www.sustainableeartholutions.com</a>
Tesla Fest	<a href="https://www.teslafest.org/">https://www.teslafest.org/</a>
Tifft Nature Preserve	<a href="http://www.tifft.org/tifft/">http://www.tifft.org/tifft/</a>
Tonawanda Creek Watershed Committee	<a href="https://tonawandacreek.shutterfly.com/">https://tonawandacreek.shutterfly.com/</a>
Tonawanda Tomorrow	<a href="http://tonawandatomorrow.org/">http://tonawandatomorrow.org/</a>



Tuscarora Environmental Task Force	<a href="http://www.tuscaroraenvironment.com">http://www.tuscaroraenvironment.com</a>
21 <sup>st</sup> Century Park on the Outer Harbor	<a href="http://21stcenturypark.org/">http://21stcenturypark.org/</a>
UB Engineers for a Sustainable World	<a href="http://www.eswub.com/">http://www.eswub.com/</a>
UB Environmental Network	<a href="https://www.facebook.com/groups/2239558471/">https://www.facebook.com/groups/2239558471/</a>
UB Office of Sustainability	<a href="http://www.buffalo.edu/sustainability.html">http://www.buffalo.edu/sustainability.html</a>
UB Regional Institute	<a href="http://regional-institute.buffalo.edu/">http://regional-institute.buffalo.edu/</a>
University Heights Collaborative	<a href="http://ourheights.org/">http://ourheights.org/</a>
UnwasteNY	<a href="http://www.unwastenyc.org">http://www.unwastenyc.org</a>
Urban Land Institute	<a href="http://newyork.uli.org/regional/">http://newyork.uli.org/regional/</a>
Urban Roots	<a href="http://www.urbanroots.org/">www.urbanroots.org/</a>
US Army Corps of Engineers-Buffalo District	<a href="http://www.lrb.usace.army.mil/">http://www.lrb.usace.army.mil/</a>
US Coast Guard-Boating Safety	<a href="http://www.wnyboatsafe.org/">http://www.wnyboatsafe.org/</a>
Vision Niagara	<a href="http://visionniagara.org/">http://visionniagara.org/</a>
Voice-Buffalo	<a href="http://www.voice-buffalo.org">http://www.voice-buffalo.org</a>
WASH Project	<a href="http://thewashproject.org/">http://thewashproject.org/</a>
Wellness Institute	<a href="http://www.healthycommunitynetwork.com/">http://www.healthycommunitynetwork.com/</a>
Western Chapter New York Water Environment Association	<a href="http://nywea.org/">http://nywea.org/</a>
Western New York AmeriCorps (Service Collaborative)	<a href="http://www.tscwny.org/">http://www.tscwny.org/</a>
Western New York Earth Day	<a href="http://www.wnyearthday.org/">http://www.wnyearthday.org/</a>
Western New York Environmental Alliance	<a href="http://www.growwny.org/">http://www.growwny.org/</a>
Western New York Family Nature Club	<a href="http://lthibault.wixsite.com/wnyfamilynatureclub">http://lthibault.wixsite.com/wnyfamilynatureclub</a>
Western New York Herpetological Society	<a href="http://www.wnyherpsociety.org/">http://www.wnyherpsociety.org/</a>
Western New York Hiking Trails and resources	<a href="http://www.wnyhikes.com">www.wnyhikes.com</a>
Western New York Land Conservancy	<a href="http://www.wnylc.org/">http://www.wnylc.org/</a>

WNY Nursery and Landscape Association (PLANT WNY)	<a href="http://www.plantwny.com/">http://www.plantwny.com/</a>
WNY Partnership for Invasive Species Mgmt (PRISM)	<a href="http://www.wnyprism.org">www.wnyprism.org</a>
WNY Mountain Bike Association	<a href="http://www.wnymba.org">http://www.wnymba.org</a>
WNY Permaculture	<a href="https://www.facebook.com/WNY-Permaculture-1098493876841295/">https://www.facebook.com/WNY-Permaculture-1098493876841295/</a>
Western New York Science Congress	<a href="http://wnysc.org/">http://wnysc.org/</a>
Western New York Service Learning Coalition	<a href="http://levesqueinstitute.niagara.edu/programs/wnyslc/">http://levesqueinstitute.niagara.edu/programs/wnyslc/</a>
Western New York Soil Health Alliance	<a href="http://www.wnysoilhealth.com">www.wnysoilhealth.com</a>
WNY STEM	<a href="http://wnystem.org/">http://wnystem.org/</a>
Western New York Stormwater Coalition	<a href="http://www2.erie.gov/environment/">http://www2.erie.gov/environment/</a>
Western New York Sustainable Business Roundtable	<a href="http://www.wnysustainablebusiness.org/">http://www.wnysustainablebusiness.org/</a>
Western New York Sustainable Energy Association	<a href="https://www.facebook.com/WNYSEA">https://www.facebook.com/WNYSEA</a>
WNY Peace Center Renewable Energy Task Force	<a href="http://wnypeace.org/wp/">http://wnypeace.org/wp/</a>
West Side Ministries (716 Ministries)	<a href="http://www.westsideminstries.org/">http://www.westsideminstries.org/</a>
West Valley Citizen Task Force	<a href="http://www.westvalleyctf.org">www.westvalleyctf.org</a>
Wild Kritters	<a href="http://www.wildkritters.com/">http://www.wildkritters.com/</a>
Wild Spirit Education	<a href="http://www.wildspirit.org/">http://www.wildspirit.org/</a>
Wind Action Group	<a href="https://buffalowind.wordpress.com/">https://buffalowind.wordpress.com/</a>
Working for Downtown	<a href="http://www.workingfordowntown.org/">http://www.workingfordowntown.org/</a>
World on your Plate	<a href="http://www.worldonyourplate.org/">http://www.worldonyourplate.org/</a>