

Enviro-News

March 2019

Sponsored by Daemen College's Global & Local Sustainability Program

Newsletter Contents:

- Articles- including events, courses, local news, grants, jobs
- Upcoming Activities
- Tips for the Environment, "Going Green" by Lesley Haynes
- Volunteer Opportunities, Recycling, CSAs and Farms, Organization links

Articles:

Restaurant and Event Professionals: Learn how to Generate Less Waste

Erie County Recycling is hosting a workshop titled "They're Demanding Less Waste" focusing on how event managers and restaurants are meeting customer expectations by reducing food and food related waste. This is an emerging issue for both special event and restaurant professionals as part of a less waste or zero waste movement. The no-cost workshop will be held on **Monday, March 4** from 2 to 3:30pm at The Tabernacle @Sweet_ness 7 Café, 211 Lafayette Avenue, Buffalo. Our target audience are fund raisers, event planners, restaurateurs, and culinary students. The workshop will include several speakers who have developed structures and systems to manage and reduce every day and special event related food waste and food container waste. We will keep it interesting with light refreshments, short presentations, Q&A, and perhaps a tasting of sustainably produced wine and liquor. To reserve your spot, RSVP at <https://www.eventbrite.com/e/theyre-demanding-less-waste-tickets-54526547371>.

Veggie Mobile Market Summit

The first ever Mobile Market Summit will take place **March 5th and 6th** in Buffalo, NY. It will bring together mobile market managers, researchers and people interested in starting food access programs in their communities. This will be a great opportunity for current market operators to learn from and connect with colleagues. We also welcome those who are looking to start a mobile market program in your community. [Registration and Agenda](#)

Combat Lake Erie's Biggest Environmental and Economic Challenges

The Erie Hack is a data and engineering competition that unites coders, developers, engineers, and water experts to generate enduring solutions to Lake Erie's biggest challenges. The competition includes \$100,000 in prizes for the most creative and effective hacks. Working from challenge statements derived from ideation sessions with NASA representatives and regional stakeholders, teams were charged with creating innovative digital tools, hardware innovations, and engineering solutions that build "the Blue Economy": the emergent economic sector dedicated to the sustainable stewardship of bodies of freshwater around the globe. Team formation will take place on **March 8** from 3-7pm with a day-long hacking day on **March 9** and quarter finals on April 19. Registration at eriehack.io is required. For more info visit <http://www.buffalo.edu/sustainability/keyinitiatives/ErieHack.html>.

SPCA Baby Shower

The spring season is fast-approaching and the Erie County SPCA will see an influx of orphaned and injured baby wild animals. Join them on **Saturday, March 9** from 10am to 2pm as they celebrate all things wild and prepare for the busy baby season. The SPCA Shelter is located at 300 Harlem Rd., West Seneca. Enter via the Adoptions Lobby. Details and a wish list are available at <https://yoursPCA.org/wildlifebabyshower/>.

Composter and Rain Barrel Sales

Erie County, in partnership with the Western NY Storm water Coalition, the City of Buffalo, and the Town of Wheatfield, is once again offering rain barrels and compost bins at wholesale prices. Order yours today. **This offer ends May 3rd, 2019.** There are 2 locations to pick up orders: City of Buffalo Engineering Garage (1120 Seneca St.) and Town of Wheatfield Town Hall (2800 Church Rd., North Tonawanda). **THE SPECIFIC DATE/TIME AND LOCATION FOR PICK UP WILL BE SELECTED BY THE PURCHASER WHEN CHECKING OUT.** You must pick up your order at the location, date and time that you select at checkout or have someone pick it up for you. Orders are not available for pick up at these locations outside of the dates/times listed at check out. Pick up dates are May 15, 16 from 4:30 to 7:30pm or May 18 from 9am to 12pm. For costs and descriptions of items, visit <https://eriecompostersale.ecwid.com>

2nd Annual Civic Innovation Eco Challenge

Mayor Byron W. Brown has launched his 2nd Annual Civic Innovation Eco Challenge - Powered by AT&T, seeking creative solutions to promote and increase recycling rates, or other sustainability initiatives in the City of Buffalo. The Civic Innovation Eco Challenge is designed to encourage developers, designers and creators to innovate around the theme of green and clean technology. The City is seeking entries that can have a positive environmental impact on recycling, waste reduction or diversion, energy usage, emissions, transportation, sustainability, or a related field. Entries should be an original working desktop, mobile or web app, or other technical solution or device. The City of Buffalo will leverage the winning entries to promote and increase sustainability efforts in the city and region. The first leg of the challenge is on **March 9th** from 9:30AM - 2PM at Bulger Communications Center, Buffalo State College, 300 Elmwood. For more info please visit www.buffaloinnovates.com. Submissions due by April 22.

Hawk Creek Wildlife Rehabilitator Training

Develop a sense of appreciation for the importance of preserving native wildlife. Learn how to lend a helping hand to injured, orphaned, and distressed animals in your community. This course provides 8 hours of instruction from Hawk Creek's own licensed environmental educators and wildlife rehabilitators. Classes are hosted at 1963 Mill Rd. West Falls, NY. Register early – class size is limited! Cost includes 2 classes (a total of 8 hours) which are held **March 9 & 10, 2019** from 12pm-4pm, as well as study guides and practice exams for the state rehabilitation exam. \$100. Please note that tickets will not be mailed out for this class, upon your arrival to class we will check your name in our records. You will receive an e-mail with class materials prior to the class. Please bring writing utensil and paper for notes. <https://www.hawkcreek.org/shop/product/wildlife-rehabilitation-course>

Botanical Garden Volunteer Orientation

There are lots of opportunities for volunteers at the Buffalo & Erie County Botanical Gardens. If you want to learn more about the options, attend the next orientation on **March 14** from 10am to 2:30pm. Please register by **March 4** by contacting Karen at khammer@buffalogardens.com or 827-1584, ext. 207.

Environmental Excellence Award Applications

If you represent a municipal government or non-profit organization in Erie County that has recently completed a project that has environmental benefits, the Erie County Environmental Management Council (EMC) invites you to nominate your project for consideration in the 2019 Environmental Excellence Awards Program. Projects could be in the areas of Planning & Design, Land Use and Zoning, Natural Resource Protection, Air and Water Quality, Ecosystem Health, Energy and Transportation, Agriculture and Forestry, Solid Waste Management, Contaminated Sites, Community Action & Education, Climate Change or any other related subject area. Applications are due by **March 15, 2019**. Applications are evaluated by a panel of reviewers from the EMC, with awards presented at an event in the beginning of May 2019. More information can be found at www.erie.gov/emc

Master Gardeners Education Day

The annual Master Gardeners Education Day is **Saturday March 16, 2019** at Classics V on Niagara Falls Blvd., 9-3. The cost is, \$45 for MG's out of county and \$55 for the public. Hot buffet lunch included. There will also be an excellent basket raffle. There are 3 excellent speakers who you won't want to miss. This day will help you with your major gardening issues, soil, insects and critter damage. Register on line at: <https://reg.cornell.edu> or call Jolie at CCE, 652-5400 ext: 176. We anticipate another sold out event so get your tickets soon.

An Archeologist's Perspective

"An Archeologists Perspective" is an illustrated presentation on **March 20** at 7pm in the auditorium of the Gateway Executive Office Building, 3556 Lake Shore Rd. Blasdell, NY. Dr. Chaves Yates will explore the differences between archaeology and paleontology and examine how archaeologists work. Drawing on her experience as an archaeologist working in the Middle East, Dr. Chaves Yates will discuss what archaeology is and how archaeologists use material culture (artifacts) to make interpretations about the past. This talk will look at objects and archaeological excavations from ancient Mesopotamia and explain how they can help us understand ancient cities. Admission \$4, or FREE to Penn Dixie members and their guests. No registration needed. Snacks and refreshments will be served.

Falconry, Wildlife Rehabilitator, and Leashed Tracking Dog Examinations

Examinations for individuals seeking a license to practice the sport of falconry, become a volunteer wildlife rehabilitator, or use leashed tracking dogs to find wounded or injured big game animals are scheduled for **Friday, April 12, 2019**. The exams will run from 10 a.m. to noon at most DEC Regional Offices across the state. You can find a list of DEC Regional Offices on the DEC website. The **deadline for registering** to take any of these free exams is **Friday, March 22, 2019**.

Sunnking Collects Electronics for Recycling to aid Camp Good Days and Special Times

E-Scrap for Camp was created by Sunnking in 2010 to support Camp Good Days and Special Times. Funds raised through recycling electronics are donated to help improve the quality of life for children, adults and families whose lives have been touched by cancer. Participating organizations will have the opportunity to collect electronics from employees, friends, family and the business for two weeks during the month of May. Electronics will be picked up by Sunnking and recycled at no cost. Sunnking will track and record the net weight of electronics recycled from each participating location and will provide a report and Certificate of Donation at the end of the campaign. At the end of the campaign Sunnking will donate a portion of the proceeds to Camp Good Days for every pound of electronics recycled. Register now. Collection boxes and pallets will be provided by Sunnking at no cost (Box dimensions are approximately W48" x L40" x H48" and they sit on top of a standard pallet).

Art of the Brick Exhibit

The Buffalo Science Museum has a visiting exhibit "The Art of the Brick" through May 5. Named one of CNN's Top 10 "Global Must-See Exhibitions," you'll marvel at the 80+ sculptures created by artist Nathan Sawaya, including a 20-foot-long T-rex skeleton and a recreation of Michelangelo's Statue of David. Plus, experience the "The Science of the Brick," presented by AAA Western and Central New York, the hands-on LEGO brick activity area within the exhibition! The exhibit will be here until May 5. Tickets are required for this exhibit.

Annual Tree Seedling and School Program Orders Due

Erie County residents can order select species of trees and shrubs until **March 15** with pick up on April 27. Niagara County residents can order trees until **March 9** with pick up April 26 or 27. Schools (K-12 and colleges) may receive bundles of trees to be planted on school property. Planting and caring for a tree seedling can help young people learn about the natural world and the value of trees in it. DEC's School Seedling Program provides New York State students with this experience. DEC's Saratoga Tree Nursery will have several different species available for participants in this program, School Seedling Brochure and Order Form (PDF) (100 KB) is available for downloading. Only one of the options below may be ordered by each school, each year.

Historic Window Rehabilitation Training and Certification Course

Preservation Buffalo Niagara is excited to announce a new initiative aimed at training the next generation of preservation tradespeople with our Historic Window Rehabilitation Training and Certification, which begins on **March 12**. The seven week session meets twice weekly through April 25 with two field hands-on opportunities in May. As sustainable building practices and historic preservation gain popularity, and as more and more Western New York homes are covered by significant preservation incentives, the number of older structures needing rehabilitation and restoration has skyrocketed. However, despite this clear upward trend, the number of skilled preservation trades craftspeople available for local projects has not kept pace with the market demand for these unique and highly technical services. PBN's new Traditional Building Trades Program is designed to address this critical need and is suitable for contractors, students, and professionals, as well as anyone interested in enhancing their training in the rehabilitation of historic properties. [Info and registration.](#)

51st Annual Gem, Mineral and Fossil Show

Buffalo Geological Society's 51st Annual Gem, Mineral and Fossil Show will be **March 23-24, 2019**, at the Erie County Fairgrounds in the Grange, Market, and New York State Police Buildings in Hamburg, NY, from 10 am-6 pm on Saturday and Sunday, 10 am-5 pm. This annual show provides an instant museum of Buffalo Geological Society Members fossils, minerals, and jewelry; demonstrators; the famous Mini-Mine for young collectors; mineral and fossil identification; and a variety of non-profit exhibitors. This highly educational family event affords attendees the opportunity to interact with demonstrators who work with minerals and gems. This is a perfect family field trip to learn more about the geological sciences. Boy Scouts, Girl Scouts, students, teachers, the public, and rock hounds are welcome. Adults are \$6 each, scouts in uniform and children under 12 are FREE. A 2-day admission for \$9 each is also available. Door prizes are drawn hourly. FREE parking. Wheelchair and stroller accessible. For any additional information or questions, please contact Jerry Bastedo, Show Chairman, at jcbastedo@gmail.com.

Celebrate Earth Hour: Save Energy

Earth Hour is an annual global event beginning in 2007. Join others around the world on March 30 from 8:30-9:30pm local time. We love this planet and everything that lives upon it. Join us and, together, let's spark never-before-had conversations on nature and the unique diversity of life we share our home with!

What better way to celebrate than with the electrifying energy of Earth Hour as it sweeps across the planet? Remember to switch off in solidarity with global efforts to secure nature and our home: **30 March, 8:30pm your time**. It's time to #Connect2Earth.

Spring Docent Training for Explore Buffalo

An accelerated Spring Docent training program will be held from April 29 through May 10, with classes from 9am to noon on Monday, Wednesday and Friday. The exterior-only downtown walking tour will give guests an excellent introduction to Buffalo and its history. Apply by **April 15** at <https://explorebuffalo.org/docent-training/>

NY Geothermal Renewable Heating and Cooling Conference

The 5th Annual NY-GEO Renewable Heating & Cooling Conference at the Rivers Casino & Resort in Schenectady, New York will be held on **April 10th & 11th**, 2019! [Register](#) before **January 15th** to get an early bird discount ! Join us for a [fantastic program](#) that will help policy makers, installers, organizers, architects, clean energy activists, contractors, building owners and managers, engineers and more to plug into the renewable heat momentum building in New York and across the northeast! There are [scholarship funds](#) for students and low income individuals, but those funds will run out soon. Email nygeoinfo@gmail.com if you will attend but need a scholarship to pay part of your registration.

Pollinator House Competition

Gardens Buffalo Niagara and the Buffalo Architecture Foundation are holding a design build competition for pollinator houses – for bugs, bees, birds, butterflies, and bats – as a benefit for both organizations. All are welcome – students, designers, artists, clubs, groups, carpenters, cooks and bottle washers! Free entries due by **May 15**. [Learn More](#)

DEC Announces New Trees for Tribes Initiative

DEC has announced a new initiative from the [Trees for Tribes](#) program called Buffer in a Bag, which is designed to help increase riparian buffers throughout New York State. Qualifying public and private landowners may apply for a free bag of 25 tree and shrub seedlings to plant along streams, rivers or lakes to help stabilize banks, decrease erosion, protect water quality and improve wildlife habitat. To qualify, landowners must have property that borders at least 50 feet of a stream, river or lake, and provide photos and map coordinates of the planting location. A total of 350 bags will be available statewide for this first round of applications on a first-come, first-served basis. Visit [DEC's web page](#) for more info. Applications are due by 3 p.m. on **April 3, 2019**.

WNY Youth Climate Action Summit

June 1st 2019 will be the 3rd annual Western New York Youth Climate Action Summit. We will again bring together students, educators and local leaders to study cutting edge climate science, while offering chance to plan effective change in their communities with guided support. All of this will be done in the stunning, new LEED certified Science and Math Center of Buffalo State College.

Community Organizations: Do you have a Research Need?

Are you a community partner **with a research need**? We would love to help connect you to researchers or graduate students who are interested in working to help find local solutions to questions you have or trends you're looking to explore. If you are a researcher or graduate student looking for a project, we can connect you with meaningful research opportunities. Contact buffalocommons@cornell.edu for more info.

Banff Mountain Film Festival World Tour

Roger Tory Peterson Institute is pleased to present the Banff Mountain Film Festival World Tour for the 15th year! The Banff Centre Mountain Film and Book Festival is the largest, and one of the most prestigious, mountain festivals in the world. Hot on the heels of the festival held every fall in Banff, Canada, the Banff Centre Mountain Film Festival World Tour hits the road. 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. Traveling to exotic landscapes and remote cultures, and bringing audiences up-close and personal with adrenaline-packed action sports, the 2018/2019 World Tour is an exhilarating and provocative exploration of the mountain world. The tour kicks off Tuesday April 9 at 7pm at Reg Lenna Center for the Arts, Jamestown. More information here: <https://rtpi.org/events-exhibits/banff-mountain-film-festival/>

Tortoise & the Hare 5K Race and Family Fun Run

Join us on Saturday May 4 from 9 to 11:30am at the MacKinnon Lodge in Chestnut Ridge Park either as a runner on the USATF certified 5K road course, as a walker along the wooded 1-mile walking loop, or as a supporter participating in our nature-themed basket raffle, 50/50 split, or merchandise sales! This year we are excited to welcome our friends from Wild Spirit and their live Birds of Prey! This will be a fun day for the entire family. Be sure to register by April 10th as we will have a very limited supply of t-shirts available this year. Inquire about student group discounts by emailing programming@earthspiritedu.org! [Register Today!](#)

Dig with the Experts

Tickets are on sale for Penn Dixie's signature event — Dig with the Experts! This is our very popular, once yearly opportunity to unearth the best, most complete, and most unexpected fossils at Penn Dixie. This often sells out. [Info](#) Tickets are available for **Saturday May 18 and Sunday May 19** with a weekend pass option.

SkyRide 2019 Registration is Open

For the sixth year, GObike Buffalo will be hosting the SkyRide, our signature bike ride providing riders the opportunity to explore the past, present and future of Buffalo's roadways through a bike ride highlighting our legacy highways—the Skyway, Scajaquada Expressway, and Kensington Expressway—built atop our Olmsted Parks System, Scajaquada Creek and our waterfront. The event will be held on **Sunday, May 19**, at 9 am, starting in LaSalle Park. New this year: Kids allowed: We're excited to allow riders age 10 and up on all routes with an accompanying adult. Kids under 10 will also be allowed if harnessed to an adult via child seat or trailer. There will be three routes (10 mile Skyway-only loop, 11 mile and 18 mile loop) with pop-up art installations along the route. [Register Now](#)

Erie County Household Hazardous Waste Dropoffs

If you have old oil-based paint, fertilizer or pesticides lying around in your basement, garage or shed, 2019 is your lucky year. Erie County is increasing the number of free opportunities for county residents to get rid of potentially dangerous chemicals as part of its yearly household hazardous waste collection. The Department of Environment and Planning will hold five collection events throughout the county: May 11 in Clarence; June 15 at Erie Community College South Campus in Orchard Park; Aug. 10 at ECC South Campus; Sept. 14 in Concord; and Oct. 5 in Buffalo. **Residents will have to preregister online or by phone to participate in the collection.** The specific locations of the drop-offs will be provided during preregistration. For more information, visit erie.gov/environment or call 716-858-6800.

Annual Boating Safety Course

This *two-part* series will be held on **Tuesday May 14** and **Thursday May 16** from 5 p.m. to 9 p.m. *both evenings*. You must attend both evenings for full course credit. The course will be held at the Niagara County Public Safety Building (5574 Niagara Street Ext. in Lockport). Because there are limited seats available, please call 716-438-3346 to your reserve your seat today.

Search Engine Uses Ad Revenue to Plant Trees

Looking for an easy way to fight climate change? Here's a simple one: the next time you need to search for something on the internet, use Ecosia (<https://www.ecosia.org/>) – a search engine company that uses at least 80 percent of its ad-generated profits to plant millions of trees around the world. The small environmentally-minded company has recently brought in enough revenues to enable it to plant 50 million trees, which equates to the removal of 2.5 million tons of CO2 from the atmosphere. The startup partners with various projects globally to plant trees in locations where they can benefit the local economy and therefore positively contribute to communities. The non-profit's ambition is to potentially plant 1 trillion trees to help prevent a climate change catastrophe. That's a big number, but just by simply using Ecosia as their main search engine, people could help make that goal a reality.

2018 WAVE Data

The 2018 WAVE samples have been processed, tallied, summarized, and posted. Everyone who submitted a WAVE sample should have received a personalized email with their sample results. All the data are compiled in a google map for general consumption on the WAVE "Forms and Data" web page: <https://goo.gl/PgX2CM>

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](#).

Flush the Toilet: Make some Bricks?

Converting biosolids into building materials could keep a lot of leftovers of the waste process out of landfills, and provide other environmental benefits. A civil engineer at Royal Melbourne Institute of Technology University in Australia is designing a way to use the disinfected leftovers from the water treatment process to make bricks. This would allow for locally produced building materials that could reduce landfill waste and save energy and methane release. For info, visit <https://www.nytimes.com/2019/01/31/science/bricks-recycled-bodily-waste.html>

Food Donation and Scrap Laws and Regulations

In partnership with Harvard Food Law & Policy and Center for EcoTechnology, four legal facts sheets have been created to address common legal questions about food donation and food scraps diversion in New York State. These fact sheets should dispel some concerns about liability related to food donations and encourage more businesses to share surplus goods. Food waste is a major environmental issue, so keeping it out of landfills is important. These fact sheets explain both federal and New York State laws and regulations including: [Tax incentives for food donation](#), [Liability protections for food donors](#), [Date labeling requirements for food packaging](#), [Feeding food scraps to animals](#).

National Sword - What does it mean to Recycling ?

The NYS DEC has compiled a summary of information on how the recycling market has been impacted by China's National Sword policy- reported as an initiative by China to clean up pollution in the environment. Almost a third of the recyclable materials collected in the U.S. were being exported. As of January 2018, China determined that many of the recyclables coming from the U.S. were too contaminated with non-recyclable material, decreasing the value of recyclables and contributing to pollution. To address changes in recycling markets head on, DEC has held a series of stakeholder meetings across the state with representatives from industry, local government, state and federal agencies, and the public to develop innovative and sustainable solutions for recycling in New York and identify open markets to utilize recyclables. As a result of the stakeholder meetings, a new recycling education campaign has also been launched in partnership with recycling stakeholders from across the State under the hashtag #RecycleRightNY on social media. Residents can help by not "wish cycling"- when well-meaning people put something in their recycling bin without knowing if it belongs there and hoping it gets recycled. Nationally, an estimated one in four items people place in household recycling bins are not recyclable, contributing to contamination, slowing down sorting, creating hazards, and decreasing the value of recyclables. The most important thing residents can do right now is follow the rules provided by your recycling hauler or municipality about what is accepted and what is not accepted in your local recycling program. By being diligent and placing only acceptable recyclables in your recycling bin, you can do your part in maintaining quality recyclables currently and for future markets. Residents across New York State are also encouraged to watch for the #RecycleRightNY campaign and share the information with friends, family and neighbors to learn about how we can all support recycling programs by empowering ourselves and others with recycling knowledge.

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/>

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, call the store at 716-894-3366, or stop by 980 Northampton Street or their new location at East Aurora Flea Market on Big Tree Road, just west of the Village of East Aurora on Saturdays and Sundays. Profits from sales put people to work!

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=AupnMjYaI0Q>.

Citizen's Guide to Land Use and Zoning

Partnership for the Public Good just released Land Use and Zoning Law: a Citizen's Guide. This handbook was written by Arthur Giacalone, an attorney with many years' experience in land use law. It is a basic overview to help the public understand the zoning and land use development process. Zoning and land use decisions have major impacts on the well-being of a community. The purpose of this handbook is to help individuals and groups in Buffalo and Erie County understand land use and zoning law, terminology and procedures so they can more effectively express their concerns about proposed projects or changes in land use laws. Download [here](#).

MAP Farmhouse & Community Food Training Center Now Open

Massachusetts Avenue Project recently opened their new Farmhouse & Community Food Training Center at 387 Massachusetts Avenue on the city's West Side. The Farmhouse will be the main hub for MAP's urban farming efforts, including their aquaponics system and greenhouses, as well as 3,000 square feet of cold and dry storage for farm produce and stocking their Mobile Market truck. The center will also provide employment, training and leadership opportunities for youth participating in MAP's Growing Green youth entrepreneurship program. With a state-of-the-art commercial kitchen that includes teaching spaces for visitors and volunteers, MAP will provide West Side residents with increased access to healthy, locally grown food and class on cooking, nutrition, and cooperative food preparation.

Guide to Talking about Climate Change with Kids

"Beginning the Climate Conversation: A Family's Guide" will help you talk to your kids about the climate crisis by providing tips on how to start the conversation, deciding on age-specific information and moving the conversation from dangers to solutions. Download the free guide at [link](#).

"The Story of Plastic"

The makers of "Story of Stuff" are finalizing a full-length film on the "Story of Plastic". To see a mini-documentary from the film, visit <https://www.youtube.com/watch?v=PBhkv9DQFQ&feature=youtu.be>

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://eany.org/our-work/bill-ratings>

Using CO2 Emissions

Researchers at MIT have created a new method of turning carbon dioxide emissions from power plants [into a useful product](#). The resulting substance could be used as fuel for cars, trucks, and planes, as well as chemical feedstock with a large variety of applications. The system uses a membrane made from a compound of lanthanum, calcium, and iron oxide. It works by allowing oxygen from carbon dioxide to pass through while leaving carbon monoxide on the other side. The scientists behind the project report that the membrane is 100 percent selective when it comes to oxygen. The separation process is driven by extremely high temperatures, with a high of 990 degrees Celsius. While high temperatures are needed, energy could be supplied by solar energy or waste heat. Visit <https://futurism.com/carbon-emissions-mit>

New Our Farms, Our Future Podcast Series: Voices in Sustainable Agriculture

From coast to coast, a diverse community of farmers, ranchers, scientists and educators is working to shape a sustainable future for our food system. Listen to the new [Our Farms, Our Future podcast series](#) and join this community for intimate conversations about the state of agriculture, how we got here and where we're headed.

NYSERDA Farm Energy Audits

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

NYPSC and PSI Receive NY Sea Grant Funding to Reduce Plastic Pollution in the Buffalo Niagara Region

New York Public Service Commission (NYPSC) and Product Stewardship Institute (PSI) received funding from the NY Sea Grant to help restaurants, residents, and tourists in the Buffalo Niagara region make smart foodware choices by replacing disposable plastic products with alternatives that are compatible with existing city recycling/composting infrastructure. The project will result in an educational toolkit that will provide resources for other restaurants, governments, and tourism organizations across the United States. This project builds upon a previous NYPSC and PSI pilot project in Greenport, NY on the North Fork of Long Island. The impressive plastic reduction and cost savings achieved by local restaurants in Greenport are featured in the [Plastic Reduction Guide for Restaurants](#).

“Give your Stuff Away Day” Seeking Host Communities

Got Stuff? Mike Morone is looking for municipalities within New York State to partner with and host pilot "Give Your Stuff Away Day" events in 2019. These are fun giveaway/recycling events. So far, a few communities nationwide and one in the UK have conducted "Give Your Stuff Away" type events, (<http://giveyourstuffaway.com>). If your area is interested in discussing a possible pilot, please contact Mike at (585) 749-5107 or mikemorone@gmail.com.

Business Membership Program to Encourage Greener Commuting

Go Buffalo Niagara, a Transportation Management Association serving Erie and Niagara Counties, has launched a [business membership program](#) which encourages people to commute without a car. Once a business is signed up, its employees who choose to walk, carpool, bike, or take public transit to work will have access to myriad alternative transportation incentives, such as: discounted transit passes and preferred parking for carpools, guaranteed ride home which provides those who don't drive alone with a free ride home in case of emergencies, discounted memberships to [GObike Buffalo](#) and [Reddy Bikeshare](#) and monthly raffles for commuters who log their commute trips.

Batteries: What do I do with them when they no longer charge?

Different battery sizes and materials make recycling and/or recharging problematic. For batteries that are marked as rechargeable, they can be recycled at most retail locations that sell them, and retailers are required to provide signage and collection containers in easily accessible locations. Consumers are encouraged to utilize these take-back programs. Types of rechargeable batteries covered by the NYS Rechargeable Battery Law include Ni-Cd, sealed lead, Li-ion, Ni-MH, any other such dry cell battery capable of being recharged and battery packs containing any of the previously mentioned batteries. You can also check with your municipality or local recycling coordinator to see if any special programs are being offered in your area. Organizations and businesses can purchase a box to collect used batteries and then the box can be mailed back to the company for recycling. For non-rechargeable batteries, there is not currently a mandated take-back recycling program. Consumers can inquire with their local municipality or local recycling coordinator to see if any special programs are being offered in their area. Otherwise, non-rechargeable, single-use batteries may be put in your regular household trash and should **not** be taken to drop-off events.

DEC Seeks Assistance in Locating Black Bear Dens

This winter, DEC wildlife biologists are seeking the public's help to learn about new black bear dens throughout New York. As part of DEC's ongoing monitoring of black bears in New York, wildlife biologists periodically check on black bears during the winter den season. The bears may be fitted with a radio collar to help biologists track the bears' activities throughout the rest of the year and to relocate dens in subsequent years for monitoring cub production, condition and survival. [Read the full article](#) in this week's Hunting & Trapping Newsletter to learn how hikers and others can help DEC identify den locations. To read more stories like this, [sign up for the Hunting & Trapping Newsletter](#) now!

How to Check the Sustainability of your Restaurant Business

We are pleased to announce that the Green Restaurant Association is releasing a beta version of a [new free online sustainability tool](#), called Green My Restaurant, that can help restaurants evaluate their level of environmental sustainability. The interactive online tool helps determine a restaurant's level of sustainability in the categories of energy, water, waste, food, chemicals, building, and disposables/reusables. With this information, a restaurant can determine if it would meet any of the 4 levels of becoming a Certified Green Restaurant®. It's a great tool to help a restaurant further its sustainability journey. The whole program takes about 15 minutes. [Click here to begin.](#)

Geothermal Heating and Cooling, Domestic Hot Water: No Money Down

GroundUp: Geothermal Alliance of Western New York is leading the charge to bring Geothermal Heating and Cooling into every home in Western New York with its new \$128/month and \$0 money down financing option. This offer is for any qualifying homeowner looking to build a new home or replace their existing heating and cooling system in their current home, and usually covers houses up to 4,000 sqf with good insulation. The New York State Energy Research and Development Authority (NYSERDA) has up to \$15 million available through June 2019 for the installation of ground source heat pump systems for residences, businesses and institutions. Rebates are available to qualified installers for two years or until all funds have been exhausted. The rebate will be deducted from the total cost of the system, thereby passing the savings along directly to consumers. To learn more contact <https://www.groundupgeo.org/contact>.

Pharmaceutical Take Back Boxes

Through its Pilot Pharmaceutical Take Back Program, DEC has placed over 250 pharmaceutical collection boxes in pharmacies, hospitals and long-term care facilities across the state to encourage the safe disposal of unused and expired drugs. This has kept five tons of unwanted medications out of home medicine cabinets, thereby reducing the potential of being abused and kept them out of NYS waters, including drinking water supplies. The goal of the program is to: ensure safe, convenient disposal of unwanted medications; show retailers it's their responsibility to encourage safe and convenient medication disposal; and protect public health, public safety and the environment. For the location of an authorized disposal location near you, visit DEC's [Safe Medication Disposal for Households webpage](#).

Farm to School Lunch Funding Increased

Farm-to-School programs across New York have received \$1.5 million awards. The award funding will be used to hire Farm-to-School coordinators; train food service staff; provide nutrition education in classrooms and cafeterias; purchase equipment to support food preparation; and support the purchase of more local farm products, such as fruits and vegetables, nuts, and herbs, used in school lunches. The program increases the volume and variety of locally grown and produced food in schools, improves student health and educates young people about agriculture, in addition to providing new markets for New York's farmers. The program also supports the expansion of the NY Thursdays Program, a school meal initiative that uses local, farm-fresh foods on Thursdays throughout the school year. A full list of project descriptions is available [here](#).

Your Guide to Farmer Grants in the Northeast

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

Dissolvable Batteries?

Iowa State University researcher Reza Montazami has developed a technology that could someday make recyclers' jobs easier and more profitable. Using a solvent, he and his team have figured out how to fully dissolve a lithium-ion battery in minutes compared to the hours to days it takes to break them down with conventional heat or chemical practices. For more info on this research in progress, visit [here](#)

New Resources Available to Reduce Hazardous Waste & Save Money

DEC has developed a resource guide for hazardous waste generators to reduce waste and save money. Resources include archived webinars presented by the New York State Pollution Prevention Institute (NYSP2I) on topics such as How Your Facility Can Reduce Hazardous Waste and Save Money and Best Practices for Sustainable Manufacturing. <http://www.dec.ny.gov/chemical/110901.html>

The 2019 Erie County Rain Barrel Painting Contest is in full swing!

Open to schools and student-based community groups in Erie and Niagara counties, this painting contest is held annually in honor of Earth Day. Paint your rain barrel focusing on a theme of stormwater pollution prevention and/or recycling rainwater. All participating schools will retain their final painted rain barrels to use, donate or raffle as desired. We encourage teachers to incorporate environmental lessons in the classroom wherever possible on conserving resources, recycling rainwater, stormwater pollution prevention, and reusing materials for a sustainable planet. [Register](#).

Calling all NY State School Teachers and After School Program Leaders!

The New York Connect Kids to Parks Field Trip Grant Program will refund up to \$1,000 of field trip costs per classroom, per trip to DEC or State Parks land. Grants are available on a first come, first served basis. Grants refund field trip costs including transportation, program fees, entry fees, and/or pavilion fees, but cannot reimburse chaperones who travel separately.. Learn more at [Connect Kids to Parks Field Trip Grant Program](#) and [view the application online](#). If you have questions, please call (518) 474-6736.

Olive Pits Could Help Replace Plastic

Turkish scientists may have created a product that could replace disposable plastic, from a renewable source, olive pits. According to researchers, just one kilogram of this bioplastic, which is already being used in electronics and food packaging, reduces carbon dioxide emissions by six kilograms. If implemented on a larger scale, the innovation could significantly help in the fight against plastic pollution. [info](#)

Recycled and Biodegradable Fabric Aims to Reduce Microfiber Problem

Primaloft Bio insulation and fabric is made from 100% recyclable polyester, but also is 100% biodegradable. The company wanted to address the issue with microfibers in our landscape. Their proprietary process incorporating nutrients for microbes allows the material to break down in a landfill or the ocean in about a year. A number of major clothing companies are now using their fabric. Read more at <https://www.fastcompany.com/90297349/this-microplastic-biodegrades-instead-of-sitting-around-for-hundreds-of-years>

Green Schools Digest-Free e-book

In this e-book you'll learn some of the leading sustainability strategies being employed by education facilities across the United States. From daylighting to onsite power generation to green cleaning, you'll glean new ways to make your school or university leaner, greener, and more attractive to environmentally-minded students and faculty, as well as your community. To download, visit https://eb.informabi.com/Green-Schools-Digest?code=UM_Email091318ACTIVE

National Survey of Science and Mathematics Education (NSSME+) Released

A must read for educators, administrators, and all STEM education stakeholders. The [2018 National Survey of Science and Mathematics Education](#), first conducted in 1977, identifies trends in science and mathematics and provides key data about the characteristics of the mathematics, science, and (starting this year) computer science teaching force; commonly used textbooks and programs and how they are used; influences on teachers' decisions about content and pedagogy; formal and informal professional learning opportunities; and how resources are distributed among schools.

Case Studies in Science Workshop

This summer's Case Studies in Science Workshop will be held **May 20-24, 2019** on the campus of the University at Buffalo, State University of New York. Our five-day workshop focuses on training science faculty (all levels) to teach with case studies, to write their own cases, and to assess their students' learning with cases. During the final two days of the workshop, all participants are required to teach a case before a student audience using a case they have developed during the workshop. In addition, workshop participants are expected to produce a case study within six months of the workshop for our national, peer-reviewed case collection. Past workshops have included faculty from biology, chemistry, physics, astronomy, computer science, mathematics, geology, psychology, anthropology, nursing, science education, dentistry, engineering, medicine, and other science-related disciplines. The registration fee for the workshop is \$975.00. Detailed information including online registration is at <http://sciencecases.lib.buffalo.edu/cs/training/workshops/>

Earth Day 2019 Campaign

We invite you to join our [Earth Day 2019 campaign](#) to respond to the threats that are affecting the survival of all species, including our own. If you are ready to take the lead in educating and activating others or take direct action, here are some suggestions for you: Climate Education Week will start on Monday, April 15th ([Climate Education Week Toolkit](#)), Earth Day is April 22 ([Earth Day Organizers Toolkit](#) and the [Protect Our Species Primer and Action Toolkit](#)), and mobilize your college campus ([MobilizeU Toolkit](#)).

Green Apple Day of Service Grant Funding

K-12 educators and schools can register a service project for their school and receive a \$200 mini-grant. Additionally, you can be listed at a crowd-funding site to earn more funds to your project. Register your project on [Green apple](#) and [Donors Choose](#) to receive a \$200 mini-grant. Deadline is **March 15**.

Teacher's Resources

[Animal Migration](#)- This activity guide is full of fun ways to learn about animal migrations in the US. Designed for elementary age kids, it can be used in a classroom as a worksheet or at home for some easy activity ideas.

[Racing Extinction](#)-Curriculum on endangered species.

[Y-PLAN](#) (Youth – Plan, Learn, Act, Now) is a unique, award-winning educational strategy that empowers young people to tackle real-world problems in their communities through project-based civic learning experiences. If you're an educator or civic leader outside of where we are currently working, we provide a free toolkit to do a "Do-It-Yourself" Y-PLAN.

[The Wild Classroom](#) curriculum from World Wildlife Fund (WWF) explores global environmental issues for a better future by building off the inherent concern for animals that humans possess. Each lesson in the curriculum teaches students an essential conservation concept through a fun and captivating activity linked to a particular wild animal.

[Communicating Climate Change](#) is a free resource to help educators engage with individuals on climate change.

[Invasive Species Curriculum](#) released by DEC and partners for middle school students (grades 6-8) is aligned to the New York State P-12 Learning Standards. The two-week curriculum was designed to have students gain a better understanding of invasive species and their impacts through research and hands-on projects.

[STEM Teaching tools](#)-free tools from site maintained by US government.

[Free Water Curriculum by UgMO](#)- water conservation curriculum for K-12 students and sponsors the students implementing those initiatives. Available to any interested student, class, club or school who wants to explore water conservation at their school.

[An Incredible Journey](#) children's book introduces elementary schoolers to the salmon life cycle and concepts such as ecosystems, keystone species, salmon culture, and stewardship. The book concludes with six case studies about kids who are making a difference on salmon-related issues.

[World Climate Simulation](#) is a NSF-funded, research-based program gives educators a way to provide learners with an enjoyable meaningful experience and to make a difference in the real world.

[Orangutan Gang](#)-Lesson includes an introductory video, PowerPoint presentation, discussion, informative article and corresponding short-answer questions, and homework including online research and an activity with the goal of helping students realize just how much palm oil they use in their everyday lives.

[New GPS-STEM Lessons](#)-Engage formal and informal students in real-world applications of STEM concepts inspired by GPS.

[Soil Story Curriculum](#)-Kiss the Ground's middle school curriculum aims to foster a deeper understanding of the vital role soil plays for the planet and to inspire a new generation of people to better engage with the environment and their communities.

[The Blossoms, the Birds and the Bees: a pollination investigation for Pre-K - Grade 2](#)-This playful lesson plan includes three hands-on activities designed to grow young learners' understanding of the relationships between plants and pollinators, and spark their interest in these important living things. Students will play a matching game to discover why hummingbirds, bees, and butterflies choose the flowers they do, "fly" pollinators around the classroom in search of nectar, and use their senses to explore diversity in nature. This lesson plan is made to be adapted, and includes suggestions for extensions and additions to fit the needs of every classroom.

[Animals and Plants Can Live in a City](#) for Grades K-2. Students learn that animals need air, food, water, and shelter, while plants need air, sunlight, and water. Students watch videos and engage with drawing and sorting activities to reinforce their learning.

[How Disruptions Affect Animal Populations](#) for Grades 6-9. Students explore the effects that ecosystem disruptions can have on animal populations and the impacts that a shift in the population of one animal can have on others in an ecosystem.

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

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

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

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

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

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

[Education apps for Elementary Students](#)

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

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

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

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

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

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

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

[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.

[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!](#)

[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.

[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.

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.

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

Contests and Awards

[President's Environmental Youth Award \(PEYA\) and The Presidential Innovation Award for Environmental Educators Award \(PIAEE\)](#). EPA is seeking PEYA and PIAEE awards applications that highlight environmental stewardship in a variety of areas, including the following: environmental sustainability; a healthy school environment including projects that reduce food waste in school cafeterias; environmentally friendly agriculture practices; reducing human contributions to ocean litter and how to prevent it; school gardens; recycling; or using STEM to teach environmental education. Applications are due **March 8, 2019**.

[UL Innovative Education Award](#) Eligible 501(c)(3) organizations in the United States and Canada can apply to win up to \$100,000 for using innovative Science, Technology, Engineering, Mathematics (STEM) curricula to help K-12 students solve real-world environmental problems. Applicants for the ULIEA should offer programs that promote learning through STEM priorities, engage all people in civic and social responsibility, and find solutions to environmental challenges. ULIEA's mission is to invest in and support youth engagement in local environmental issues and their communities and encourages youth interest in engineering, technology, science, and mathematics. Deadline: **March 12, 2019**.

[Con X Tech Prize](#) provides \$3,500 to create your first prototype, helping you bring your bold conservation idea to life. And, with 20 of these prizes awarded, yours has a great chance to win. Even better – one of these 20 finalists will win \$20,000 to catapult their idea to the next level. The only question is: What will you build? Deadline: **March 13, 2019**.

[Environmental Excellence Award Applications](#)-If you represent a municipal government or non-profit organization in Erie County that has recently completed a project that has environmental benefits, the Erie County Environmental Management Council (EMC) invites you to nominate your project for consideration in the 2019 Environmental Excellence Awards Program. Projects could be in the areas of Planning & Design, Land Use and Zoning, Natural Resource Protection, Air and Water Quality, Ecosystem Health, Energy and Transportation, Agriculture and Forestry, Solid Waste Management, Contaminated Sites, Community Action & Education, Climate Change or any other related subject area. Applications are due by **March 15, 2019**.

[Techstars & The Nature Conservancy Conservation Challenge](#)- seeking for-profit entrepreneurs with commercially viable technologies to rapidly solve conservation challenges globally. Deadline: **April 7th, 2019**.

[The Gloria Barron Prize for Young Heroes](#) - celebrates inspiring, public-spirited young people from across the U.S. and Canada. Each year, the Prize honors 25 young leaders ages 8 to 18. Fifteen top winners receive \$10,000 to support their service work or higher education. Deadline: **April 15**.

[Civic Innovation Ecochallenge](#)-Submissions due **April 22**.

Grant and Scholarship Opportunities

[Funding for Municipal Food Scraps Reduction, Food Donation, and Food Scraps Recycling](#)- to support municipal projects to reduce wasted food, donate wholesome food and recycle food scraps. Deadline: **March 1, 2019**.

[Annie's Sustainable Agriculture Scholarships](#) supports students working to shape the future of the food system through the lens of three regenerative agriculture principles: Building soil health, fostering aboveground biodiversity, and promoting resilient farm communities. Deadline: **March 15, 2019**.

[NYSAR³ College Council grants](#), co-sponsored by the NYS Pollution Prevention Institute and NYSAR³, provide up to \$10,000 for projects that focus on source reduction, reuse, or recycling at New York universities and colleges. Each College Council member institution can apply for project funding up to \$5,000. Deadline: **March 15**.

[Global Forest Watch](#) provides financial and technical support to organizations around the world to use Global Forest Watch's tools and data to turn forest monitoring information into action. Deadline: **March 15**.

[Learning to Give Mini-Grants for Service-Learning](#)-The Learning to Give mini-grants range from \$250 to \$500 with a simple application process and priority given to those who use social media to share their plans, discuss ideas, and reflect! Applications will be reviewed on the 22nd of each month until **March 22, 2019**.

[Preserve New York](#) makes grants for reports on historic structures, building condition, cultural landscape, and cultural resource surveys. Applicants must be a unit of local government or a registered 501c3 not-for-profit. The program provides support up to 80% of the project cost. Deadline: **March 25**.

[Exploring New Aquaculture Opportunities](#) - 2019, NOAA-OAR-SG-2019-2005960- will fund diverse, and at times, high-risk, developmental projects that will envision, explore and advance aquaculture opportunities where a minimal foundation currently exists. Letters of intent deadline: **March 26**.

[2019 Earth Day Grants](#) offered by Air & Waste Management Association – Niagara Frontier Section (A&WMA-NFS) worth up to \$500 each in honor of Earth Day 2019. The program promotes environmental awareness through creative and impactful educational activities and community engagement efforts. Deadline: **March 29**.

[Davis-Putter Scholarship Fund](#) up to \$15,000 is available for student activists who are organizing for social change and building progressive movements on campus and in community. Deadline: **April 1**.

[Social, Behavioral, and Economic Research Needs in Aquaculture](#) - supports research to address critical gaps in social, behavioral, and economic knowledge as it relates to U.S. aquaculture and the communities impacted and served by it. The initiative is informed by the National Strategic Plan for Federal Aquaculture Research; the Sea Grant 10-Year NOAA Sea Grant Aquaculture Vision; and previous research from federal, state, and university scientists. Letters of intent deadline: **April 2**.

[2019 Air & Waste Management College Scholarship](#) for Full-time undergraduate students attending a college or university located within the New York State counties of Allegany, Cattaraugus, Chautauqua, Erie, Niagara, and Wyoming during the 2018 - 2019 academic year. Deadline: **April 12, 2019**

[Len Assante Scholarship](#) was developed to nurture and support those who wish to pursue and advance careers involving the protection, distribution, remediation, and responsible utilization of groundwater resources. Scholarships are for full-time students only (including high school seniors who are applying for scholarships to be used in their first quarter or semester of post-secondary study). Deadline: **April 15**.

[Advanced Aquaculture Collaborative Programs](#) - NOAA-OAR-SG-2019-2005963 will serve as geographic or topic-based hubs for fully integrated, transdisciplinary research, outreach, and education that will provide broad, non-proprietary support and investment for building and/or enhancing an aquaculture industry. Deadline for letter of intent: **April 15**.

[Len Assante Scholarship Program](#) was developed to nurture and support those who wish to pursue and advance careers involving the protection, distribution, remediation, and responsible utilization of groundwater resources. Scholarships are for fulltime students only (including high school seniors who are applying) enrolled in a program that is groundwater industry-related. Deadline: **April 15, 2019.**

[Sustain Our Great Lakes](#) is soliciting proposals to benefit fish, wildlife, habitat and water quality in the Great Lakes basin. The program will award grants in 2019 to improve and enhance: 1) stream and riparian habitat; 2) coastal wetland habitat; and 3) water quality in the Great Lakes and its tributaries. Approximately \$8.2 million is expected to be available for grant awards in 2019. Deadline: **April 18, 2019.**

[Farvolden Scholarships](#) are made in memory of Robert Farvolden of the University of Waterloo and former National Ground Water Association Director of Science and Technology for full-time students that submit an abstract for a poster/platform presentation at NGWA's Groundwater Week Summit. All such students whose abstracts are accepted for presentation will be evaluated at the event by two or more judges. The four students with the highest scores will receive the Farvolden Scholarships. Deadline: **April 21, 2019.**

[H2O for Life Mini-Grants](#) provide \$250-\$500 mini-grants for schools to organize projects that educate youth about the global water crisis and help them take action to provide water, sanitation and hygiene education (WASH) for global partner schools. **Deadline: Rolling**

[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.**

[Food Waste Grants](#) - The New York State [Pollution Prevention Institute](#) (P2I) will operate the funding program, which will provide reimbursement to businesses that generate over one ton of food waste per week to offset the cost of select technologies and equipment that promise to reduce or divert that food waste from landfill or incineration. Eligible projects must reduce and/or divert wasted food at a New York State business including, but not limited to, supermarkets, restaurants, and hospitals. Monies from this program will help food scrap generators implement food waste reduction recommendations, purchase capital equipment used in food donation, and create, improve, and expand diversion efforts to on and off-site compost and anaerobic digestion facilities. **Deadline: Rolling.**

[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 has also allocated up to \$5 million for grants for machinery and equipment required to process industrial hemp for commercialization. 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.

[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.**

[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. 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. 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.

[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. 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.

[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

[Farm Business Management Educator](#)-Cornell Cooperative Extension of Erie County has an opening for a Farm Business Management Educator with the primary responsibility to develop and deliver high quality educational programs within farm business management, agriculture, agriculture economic development, farmland protection, and food systems. Deadline: **March 7, 2019**.

[Invasive Species Management Assistants](#) -will work closely with the WNY PRISM Terrestrial Projects Manager and partners to implement invasive species prevention, early detection, management, and habitat restoration projects within the 8-county WNY PRISM region. The selected candidates will conduct invasive species surveys and assessments using iMapInvasives, assist with priority invasive species removal and restoration projects, provide project reports, and assist with outreach events such as tabling at farmers' markets and festivals. Invasive species removal efforts will include use of both manual and chemical (herbicide) methods. Seasonal. Deadline: **March 8**.

[Education and Outreach Assistant](#) will work closely with WNY PRISM staff and partners to implement and expand our education and outreach programs and will report directly to the WNY PRISM Education and Outreach Programs Manager. Education efforts are essential to the success of the partnership and are integrated into nearly all aspects of WNY PRISM work. The selected candidate will help maintain WNY PRISM Listserv and social media accounts, prepare e-newsletters, organize, attend, and lead education and outreach events, assist with materials development, represent WNY PRISM at meetings and events, and communicate with partners. The Education and Outreach Assistant will also assist with some invasive species removal efforts. Full-time, seasonal. Deadline: **March 8**.

[Summer Nature Education Internship](#)-Jamestown Audubon Center. Apply by **March 12**. Paid.

[Boat Stewards/Environmental Educators](#) will interact daily with the public at boat launches. Stewards will perform voluntary boat inspections to remove visible aquatic plants and animals from all types of watercraft. Removal of aquatic plants and animals will help to prevent the transport and spread of aquatic invasive species. Stewards will also be responsible for public education and distribution of educational materials. Boat Stewards will also have the opportunity to assist with invasive species removal projects. Projects may include early detection/rapid response efforts, or control projects to reduce established populations of both aquatic and terrestrial invasive species. Stewards will generally cover a single launch, however there is the potential for coverage needs to require occasional travel to other launches. Positions are full-time, temporary (40 hours/week, mid-May - early September). Deadline: **March 22, 2019**, but applications may be reviewed prior to the closing date.

[Departmental Coordinator, Western NY Regional Office, Empire State Development](#)-Administrative assistant for Buffalo office. Deadline: **March 26**.

[Summer Fellowship for College Students Available at the Museum on Blue Mountain Lake](#)-Are you looking for a summer fellowship? [Adirondack Diversity Solutions](#) and the [Adirondack Experience](#) are accepting applications for their inaugural 10-week summer diversity fellowship at the Museum on Blue Mountain Lake. The placement will run from June 2, 2019 - August 10, 2019 and is designed specifically for college students from communities that have been historically underrepresented in arts organizations because of educational and economic disadvantage and ethnic background. The program will host six fellows interested in pursuing museum related careers. Deadline: **March 31, 2019**.

[Marine Mammal Trainer Apprentice](#)-part time entry-level position at Aquarium of Niagara is responsible for assisting with the daily care and behavioral conditioning of the marine mammal collection. Must be SCUBA certified. Deadline: **March 31**.

[Community Engagement Director](#)- for the Northeast Organic Farming Association of New York provides leadership for NOFA-NY's membership and fundraising efforts by providing overall design and successful implementation of comprehensive and coordinated funding initiatives. Deadline: **April 1**.

[Director of Museum Programs](#) - Buffalo Science Museum. Responsible for the strategic management, oversight and implementation of all public-, community-, and school-based programs offered by the Buffalo Museum of Science.

[Adirondacks Job Board](#)-includes seasonal opportunities.

[Invasive Species Management Coordinator and Work Crew Positions](#)-Jamestown Audubon Center, temporary, summer.

[SCA Excelsior Conservation Corps](#)-Seeking applicants between the ages of 18 and 25 to work on infrastructure and sustainability, invasive species removal, trail construction, and other environmental conservation-related projects.

[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.

[ASHA Animal Sanctuary Internships](#)- Seeking individuals for administrative, development, visitor programs and animal care positions.

[Buffalo & Erie County Botanical Gardens Internships](#)-Seeking individuals to work with Education Dept., Special Events, and Horticulture.

[Summer 4-H Intern](#) will work as part of the 4-H Youth Development team at Cornell Cooperative Extension of Niagara County. She/he will serve as a counselor for the 4-H Summer Day Camp and will have the opportunity to assist with planning and delivering interactive educational programming with an emphasis on STEM (Science, Technology, Engineering, and Math). The intern will also assist with preparing 4-H activities/displays for and working at the Niagara County Fair, the largest public event in our county.

[EquiStar Intern](#) will assist both the Program Coordinator and Barn Manager in providing a therapeutic riding program during the summer sessions. She/he will have the opportunity to assist with planning and delivering the therapeutic riding programming along with learning the day-to-day responsibilities of operating a stable and caring for horses.

Citizen Science

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

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

[Hemlock and HWA Hunters](#)-volunteers locate hemlock stands and hemlock woolly adelgid in NY. To join our project please send us an email at cm933@cornell.edu or info@nyshemlockinitiative.info.

Upcoming Community Activities:

Friday, March 1

Unlocking Impact: Keys to Successful Partnerships- 8am to 4pm at Hilbert College. A learning conference designed to elevate thinking, ideas and practices that can create positive shifts in the work we do in our community. Hosted by the WNY Service-Learning Coalition, the conference brings community champions, practitioners, faculty, staff and administration, and students together to share and explore the partnerships created and the positive impact they have made. Highly interactive sessions will provide many opportunities for participants at all levels of experience and interest to be engaged in both learning and discussion. [Registration is now open for attendees at the \\$35 member institution rate.](#)

Orvis Speaker Series: Inland Trout on Streamers-6pm at Orvis, 4545 Transit Rd., Williamsville. Nick Sagnibene with Adventure Bound on the Fly. Register at www.orvis.com/buffalo

Humanities Faculty Fellows Talk-4 to 6pm at Hallwalls Contemporary Arts Center. This lecture series brings current UB humanities research out into the community – with complimentary wine and hors d'oeuvres. Free and open to the public, in partnership with WNY Sustainable Business Roundtable. Please register by sending an email to: asa@wnysustainablebusiness.org. “Can capitalism become green without fundamental changes in the rules of the marketplace?” The last 30 years has been a revealing test of the limits of corporate sustainability initiatives. In the United States, no major environmental legislation has passed since 1990, yet many businesses have worked hard to become greener. How successful have their efforts been? What has driven change, and what has stood in the way? The answers to those questions offer important insight into what we still need to do to build a sustainable economy. [info](#)

Saturday, March 2

Eco-Kids Series-10am to 11am at Niagara Falls State Park. Calling all pre-school & elementary kids! Each month we'll explore a new topic, take a walk, and make a craft. Join us with your little one. *For more information & registration call (716) 282-5154*

Seed to Supper Garden Educator Prep Session- Cornell Cooperative Extension of Erie County will hold a preparation session for garden educators for Seed to Supper from 9 a.m. to 4:30 p.m. at True Bethel Baptist Church, 907 East Ferry St., Buffalo. Seed to Supper is a comprehensive beginner's guide to low-cost adult vegetable gardening. Garden educators share practical, low-cost techniques for building, planning, planting, maintaining and harvesting a successful vegetable garden. [Register here.](#) For more information, contact Sharon Bachman at sin2@cornell.edu or (716) 652-5400 x150.

Disease & Pest Management Workshop- A free workshop series for new and old gardens, to keep your mind and body warm for the growing season ahead! Space is limited and registration is required. All workshops start promptly at 2pm. Please arrive 10 mins in advance. To register or for any questions please email info@urbanroots.org or call 716-362-8982. Urban Roots, 428 Rhode Island St., Buffalo.

WNY Hosta Society Breakfast- 10 a.m. at the Forestview Restaurant, 4781 Transit Rd., Depew. You must RSVP before 5 p.m. Friday, March 1 so that they can tell the restaurant how many people to expect. RSVP at (716) 941-6167 or H8staman@aol.com The is a social get-together. You pay for your own breakfast. Attendees are asked to bring to the table something that they can pass around and talk about. It can be a plant, seedling, catalog, magazine, book, favorite garden tool, new deer repellent or anything to get folks talking.

Owl Ecology-10am. Search for signs of owls in the woods after an indoor introduction to these birds of prey. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

Woods Walk: Snowflakes & Frost-11am. Enjoy a wintery guided walk in the woods No registration required. Reinstein Woods Nature Preserve.

Wild About Travel- 10:30am to 11:30am. Walk-ins welcome! Our Earth is an amazing place which is full of rich plant and animal diversity. Come enjoy a peak at the Arctic and the Tropics through the eyes of world traveler, Barb Busack. Barb will lead us on a photo journey through Greenland, Iceland and the Arctic Faroe Islands. From there, we will head south to Guatemala, Panama and Costa Rica. Barb will share her experiences in these beautiful lands and perhaps inspire you to do some adventure traveling of your own. This event will be held at The Portville Free Library, 2 North Main Street, Portville, New York 14770. Fee: Free for members, \$5 for non-members and free for children 13 and under. Minors must be accompanied by an adult. Register by 4 PM, Thursday, February 28th. [Register here](#) or contact the office at 716-933-0187. Walk -ins Welcome! Pfeiffer Nature Center is supported by United Way funding. Pfeiffer Nature Center where science, art & nature come together.

Buffalo Maritime Center Open House and Talk- 4:30 p.m. at 90 Arthur Street, Buffalo, NY. Hear from Ken Silber who will discuss his book “In DeWitt’s Footsteps: Seeing History on the Erie Canal” and the legacy that he and his family (his wife and son are direct descendants of Gov. Clinton) explored as they traveled along the canal’s historic and modern routes. Stay after for a piece of Packet Boat birthday cake and the Buffalo Maritime Center OPEN HOUSE featuring Music, Pressure Drop's Boatwright's Brown Ale, Live hot metal pours by the BMC Foundry, Wales Hollow Wood Butcher spoon carving, tours, Antique & Classic Boat Society demos, Packet boat updates and more... ADVANCE REGISTRATION REQUIRED AT [register](#)

All Things Arctic-10am to 2pm. From the adorable to the ferocious, come celebrate All Things Arctic Animals Day at the Buffalo Zoo! Included FREE with your admission, help celebrate and support your favorite friends at the Zoo. Have an extra penny jar around the house or coins between the cushions? Bring them to All Things Arctic Animals Day and join the Pennies for Polar Bears movement! All proceeds from the day benefit Polar Bears International, the only organization dedicated solely to saving wild polar bears.

National Day of Unplugging- 2:00 PM - 4:00 PM. Unplug and reconnect at Tiff Nature Preserve, Buffalo Audubon Society, Reinstein Woods Nature Preserve and Buffalo and Erie County Botanical Gardens join together to celebrate the annual National Day of Unplugging! This is a great opportunity to disconnect from your devices and unwind, relax, and reflect. After tucking your cellphone to sleep in a free “sleeping bag”, enjoy a walk on the Tiff trails, indoor make’n’take crafts, and fun activities with WNY’s regional nature centers. *Advance registration required. Ages: All, Cost: FREE. [Register](#)*

Buckhorn Island Birding - 10am-1pm. Start your weekend with the Birds! Join Naturalist Tom Kerr for a Birdwatching Hike through Buckhorn Island State Park. The Niagara River hosts one of the biggest congregations of migrating waterfowl in North America. Meet at Woods Creek lot on East-West Park Drive. Pre-registration is required. Binoculars are available. Donations gratefully accepted. Call 585-457-3228 to register.

Growing Hemp in NYS- 1:00 PM - 4:00 PM. Agricultural Center, 3542 Turner Road, **Jamestown**, NY 14701. [REGISTRATION LINK](#). There's been a lot of interest in growing industrial hemp in our area, and we are excited to bring together the experts to help answer your questions, right here in Chautauqua County! Please join us for this interactive workshop where our speakers will feature Larry Smart, Professor and Program Leader at Cornell University, Tim Sweeney, Agricultural Policy Analyst with the NYS Department of Agriculture and Markets, and local hemp growers. They will cover the technical production aspects of growing and marketing industrial hemp, while also discussing the regulations involved with NYS industrial hemp program. Part of our [2019 LEAF Workshop Series](#). \$10/person, light refreshments offered. Doors open 30 minutes prior, please arrive early to complete your registration. Pre-registration is encouraged. \$10/person.

Sunday, March 3

Bowl-a-Rama: Massachusetts Avenue Project Fundraiser- We need your help raising \$10K to support urban agriculture and youth development. So, gather a team of five and join us for an afternoon of bowling for MAP! [CLICK HERE FOR TICKETS](#), [Kenmore Lanes](#) from 1:30-4pm (bowling begins at 2pm). [Tickets can be purchased at this link](#). The cost of the event is \$25 per bowler or \$100 for a team of up to 5 people.

Reflective Walk at Delaware Park-10:45am to 11:30am starting and ending at the Marcy Casino, Delaware Park. Free.

Buffalo Area Daylily Society-2pm at Aurora Senior Citizens Center, 101 King St., East Aurora. Souper Bowl meeting with lots of soups to enjoy.

Japanese Garden Winter Walking Tour-Enjoy a winter stroll around the Japanese Garden in Delaware Park, presented by Wegmans, led by tour guide Paula Hinz. 9am to 10am. Meeting place: By the cherry trees near the lower portico of [The Buffalo History Museum](#). This tour is FREE, pre-registration is recommended. Sign up at: <https://www.bfloparks.org/japanese-garden-walking-tour-registration/>. [info](#)

Monday, March 4

Restaurant and Event Planner Workshop to Reduce Waste-Erie County Recycling is hosting a workshop titled "They're Demanding Less Waste" focusing on how event managers and restaurants are meeting customer expectations by reducing food and food related waste. The no-cost workshop will be held 2 to 3:30pm at The Tabernacle @Sweetness Café, 211 Lafayette Avenue, Buffalo. Our target audience are fund raisers, event planners, restaurateurs, and culinary students. The workshop will include several speakers who have developed structures and systems to manage and reduce every day and special event related food waste and food container waste. We will keep it interesting with light refreshments, short presentations, Q&A, and perhaps a tasting of sustainably produced wine and liquor. [Register](#)

Bowmansville Garden Club: Make a Floral Design-7pm at Bowmansville Fire Hall, Bowmansville. The theme is "A Sip of Spring." The instructor will be Gail McGee, a New York State Flower Show Judge, past 8th District Director, past NYS Federated Garden Club President and member of the Bowmansville Garden Club. Some supplies will be provided. Participants are asked to bring: A tea cup, coffee mug, or similar size container. (Do not bring an antique heirloom as we will get it dirty.), Oasis or a pin holder, if you have it, Extra line material or filler material to share, if you have it, Newspapers to work on, A small box to take your design home, Clippers to cut your plant material. If you are interested in attending this meeting and/or joining the Bowmansville Garden Club, please contact Lynne Lowery at 716-290-9617 or llovery@sprintmail.com.

GObike Volunteer Night- 6 pm at the GObike Community Workshop (98 Colvin Avenue). [RSVP here](#).

Tuesday, March 5

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/category/lecture-series/library/>

Tuesday Evening Snowshoe Hike-6-8pm, Tuesday evening hikes are free. Dress for the weather. If you do not have snowshoes you are welcome to rent snowshoes for the evening for \$12.00. We will meet at Paths, Peaks & Paddles at 5:45 pm. We try to car pool weekly to our planned hike location. We like to have vehicle wheels rolling at 6:00 PM. If you would like to join us feel free to contact us Tuesday afternoon. Feel free to email christine@pathspeakspaddles.com or call us at 716-213-0350 for the evening adventure.

National Geographic Live: Social by Nature-7pm at Kleinhans Music Hall. Explore the social world of wolves, chimps and gorillas with photographer Ronan Donovan. \$35, \$15 for students. www.Kleinhansbuffalo.org

Hardscape Design Trends and Engineered Segmental Retaining Walls-5:30 to 8pm at Salvatore's Italian Gardens. Join us for a look at the newest hardscaping materials available today as well as a presentation on Engineering Segmental Retaining Walls. This will earn you 1 CEU for AIA, ASLA, HSW. Cocktails will begin at 5:30 pm and presentation will begin at 6pm. Heavy hors d'oeuvres will also be served before and after this event. This event is free, and registration is required by emailing Bob DeRosa at Bob.DeRosa@unilock.com or Steve Simon at steve.simon@unilock.com.

Volunteer Open House for Tifft- 10:00 AM - 12:00 PM. Discover how you can share your love of nature with our community, while supporting Tifft's mission of environmental education and conservation. Volunteer Tour Guides are needed select weekday mornings and Volunteer Greeters are needed select weekends. Other seasonal volunteer opportunities are available. To RSVP for the Open House or for more info on volunteer opportunities at Tifft Nature Preserve or the Buffalo Museum of Science, please call 716.825.6397 or email volunteer@sciencebuff.org. Ages: 18+.

Wednesday, March 6

GBNRTC Monthly Meeting-Public welcome. 9:30 to 11am at Erie County Public Works, Rath Building 95 Franklin St, Buffalo, NY 14202. All are invited to attend Planning and Coordinating Committee (PCC) Meetings to discuss transportation events, planning initiatives, and projects with [GBNRTC Member Agencies](#).

Buffalo River History Panel-6 to 7:30pm at Location: Buffalo Heritage Discovery Center – 100 Lee Street, Buffalo, NY 14210. Join Buffalo Niagara Waterkeeper, Erie County, and Buffalo River RAP for the Buffalo River Speaker Series. Get to know more about the history of the Buffalo River at this event. Speakers include local authors, historians, and representatives from historical organizations! Free, but register at <https://bnwaterkeeper.salsalabs.org/rapspeakerseriesmarch6/index.html>

Buffalo Place Update – Noon to 1pm. Join us at the Central Downtown Library to hear Buffalo Place's Executive Director Michael Schmand update us on the 3rd phase of Cars on Main Street project along with other Buffalo Place initiatives coming in 2019. [Click Here For Reservations](#)

Lauren Bricker: Architecture Talk-6 pm - 7:30 pm at Hayes 403, UB South Campus. Join us for a public lecture with architectural historian Lauren Bricker, who comes to UB as our 2019 Clarkson Chair in Planning. Bricker is a widely regarded expert in historic preservation and a professor of architecture at California State Polytechnic University. Lauren Bricker presents "Conserving the Vitality of our Historic Places"

Mindfulness and Creative Nature Play Webinar-7:30 to 8:30pm. A free, engaging and interactive Mindfulness and Creative Nature Play webinar. During this interactive webinar, we invite you to watch and learn or actively join the discussion by sharing your ideas, experiences, and insights about this topic. Dave Bauer will kick-start the discussion by outlining the benefits for both children and adults of being mindful and sharing time in nature. Ian Shanahan, the co-director of Green Teacher Magazine is our MC for the event. More details at <https://greenteacher.com/webinars/>

The Food Energy Water (FEW) Nexus: A Systems Approach for Improving Energy Conservation- 9 to 11am at Reinstein Woods Nature Preserve. This event is to trigger a dialogue on the FEW nexus and how businesses can approach reducing their energy footprint through conservation efforts in water and food systems. Overcoming today's barriers will require new ideas, approaches, and collaboration.. Let us get together and discuss what the risk and rewards are in Western New York. Light refreshments will be served. This event is co-organized by the Sustainable Urban Environments Initiative in the College of Arts and Sciences at University at Buffalo. Free parking at Reinstein Woods Nature Preserve. Follow the brick path to the Environmental Education Center. Register- <https://www.eventbrite.com/e/the-food-energy-water-nexus-tickets-57418386941>. Please contact Susan Clark, email: sclark1@buffalo.edu or Asa Guilamo, email: asa@wnysustainablebusiness.org. In case of bad weather, please check your email for notifications about event cancellations.

Behind the Sciences Tours: Cabinets of Curiosities- Buffalo Science Museum, 5 to 7pm for 18+, \$25 per participant which includes museum entry. Go behind the scenes to see what few have seen and explore the Museum's Collection. Tours are approximately two hours in length. Register online or by phone at least one week in advance. Take a peek into the Vertebrate Zoology Collection's spine tingling Cabinet of Curiosities to explore the mind bending stories of some of nature's unique freaks, morbid mistakes and seemingly scientific impossibilities! [Purchase Tickets](#)

Thursday, March 7

Urban Gardening Workshop: Native Garden Design -Niagara Falls, 1425 Main St., Niagara Falls Library. Required pre-registration-716-783-9653 or heather@grassrootsgardens.org

Western New York Sports and Travel Expo- \$10. The Fairgrounds in Hamburg, 5820 South Park, Hamburg, NY 14075. 12 to 8pm. <https://eriepromotions.com/wny-sport-show/>

Wellness Walks-10:00am - 12:00pm. Drop by Tiff Nature Preserve every Thursday and join us for a casual volunteer-led tour of the Preserve. Please call 716-825-6397 to confirm walk will be taking place. Open to all, \$2 donation per person is appreciated.

Adventures in Buffalo History-This speaker series features different Explore Buffalo docents presenting lectures on a wide variety of topics. Each session will have two different lectures. All sessions are from 7-9 PM on Thursday evenings at First Presbyterian Church of Buffalo on Symphony Circle. Admission per session: \$10. [Explorer Pass](#) Holders: Free. Topic: **Uncovering Terra Cotta, Celebrating Buffalo & Beyond: The Artistic Legacy of Józef Slawiński.** [Register.](#)

Genesee County Master Gardeners Talk-free from 12:15 to 12:45 p.m. on the first Thursday of the month at the Cornell Cooperative Extension office, 420 E. Main St, Batavia. Take your lunch. Registration is not required. [“Gardens of New Zealand”](#) Gardening is rated as one of New Zealanders’ favorite pastimes. Explore the beauty of New Zealand via a photo tour of some stunning gardens. If you have the winter blahs this will help dispel them.

Soil Health Workshop-9:00am-2:00pm at King’s Catering, 4031 State Route 5&20 in Canandaigua, NY. Info and registration at <http://www.canandaigualakeassoc.org/get-involved/soil-health-workshop/>

Orchard Park Garden Club-1pm at Orchard Park Presbyterian Church, 4369 S. Buffalo St., Orchard Park. David Swarts, president/CEO of the Buffalo and Erie County Botanical Gardens, will speak on the history of the Botanical Gardens and what they are planning for the future.

Lake Ontario Fisheries Update-Learn about the state of Lake Ontario fisheries at a meeting from 6:30 – 9 p.m. at the Cornell Cooperative Extension Building, 4487 Lake Ave., Lockport. The meeting is co-hosted by the New York State Department of Environmental Conservation, Niagara County Cooperative Extension and the Niagara County Sportfishery Development Board. Staff from DEC and the United States Geological Survey will make a number of presentations, including updates on the status of trout and salmon fisheries in the lake and its tributaries, forage fish and stocking programs. The meetings will provide ample time at the end of the scheduled program for the audience to ask questions and interact with the presenters. See more information about DEC’s [Lake Ontario fisheries assessment programs here.](#)

Landmarks- 6pm at 1902 Niagara Street • Buffalo, NY 14207. Preservation Buffalo Niagara’s Landmarks 101 provides the opportunity to learn more about the basics of preservation by focusing on an historic resource becomes a landmark. In this workshop PBN’s Director of Preservation Services, Christiana Limniatis, will discuss the different types of historic designations that exist, and explore the rules and regulations associated with each nominating process. www.blackrockhistoricalsociety.com. This series is free of charge and open to the public.

Buffalo Zoo Happy Hour- 5 to 7pm at Flying Bison, 840 Seneca St., Buffalo. Grab a drink and support the Buffalo Zoo! Join the Pro Zoo Board at the Flying Bison Brewing Company for an evening of brews, light bites, and big fun. Tickets are only \$20 and include two drink tickets, appetizers, and entry into a raffle for great prizes. Tickets will be available for purchase at the door.

Friday, March 8

Western New York Sports and Travel Expo- \$10. The Fairgrounds in Hamburg, 5820 South Park, Hamburg, NY 14075. 12 to 8pm. <https://eriepromotions.com/wny-sport-show/>

South Towns Gardeners-9:30am at West Seneca Senior Center, 4629 Seneca St. There will be a talk on what to plant to attract butterflies to your garden. Guests as well as new members are welcome. For more information, call 668-0209.

Buffalo Astronomical Association Meeting-7 to 10pm at Buffalo State College, Room C122, 1300 Elmwood. Speaker info at https://buffaloastronomy.com/pages/event/march-monthly-meeting-2?instance_id=629

Erie Hack-3 to 7pm at 120 Clemens Hall, UB. The Erie Hack is a data and engineering competition that unites coders, developers, engineers, and water experts to generate enduring solutions to Lake Erie's biggest challenges. The competition includes \$100,000 in prizes for the most creative and effective hacks. Working from challenge statements derived from ideation sessions with NASA representatives and regional stakeholders, teams were charged with creating innovative digital tools, hardware innovations, and engineering solutions that build "the Blue Economy": the emergent economic sector dedicated to the sustainable stewardship of bodies of freshwater around the globe. Team formation will take place on 3/8/19 with a day-long hacking day on 3/9/19 and quarter finals on 4/19/19. Registration at eriehack.io is required. For more info about Erie Hack, <http://www.buffalo.edu/sustainability/keyinitiatives/ErieHack.html>

Saturday, March 9

Cabin Fever Series: Daredevils of Niagara!-10am to 11:30am at DeVeaux Woods State Park. This month's presentation will be Daredevils of Niagara! A fascinating look at stunters of the past and the fame they made at Niagara Falls!! *For information & registration call (716)282-5154.*

Horticulture VI: Color Theory & Texture in Gardens-The Buffalo and Erie County Botanical Gardens will hold a series of [Horticulture VI classes](#) from 11 a.m. to 1 p.m. on five Saturdays at the Botanical Gardens, 2655 South Park Ave., Buffalo. The cost for Botanical Gardens members is \$100 for the entire series or \$20 per class. For the general public, the cost is \$125 for the series or \$25 per class. The classes are taught by Horticulturist David Clark. These classes are intended for beginners or gardeners and landscapers wishing to brush up on their skills. Those who complete each series will be presented with a certificate of completion. More information and registration is available [online](#).

Growing your Own Produce: Seed Starting, Early Plantings and Planting Calendars - 11:30 a.m. at the [Massachusetts Avenue Project](#) (MAP), 387 Massachusetts Ave., Buffalo. You will learn what to do in your garden, month by month, to successfully grow your own produce. From small container gardens to larger backyards, This class is catered to you and the group of beginning gardeners who will join you in learning how to grow your own produce. [Register here](#) per class or the whole series.

SPCA Baby Shower-10:00 a.m. – 2:00 p.m. at SPCA Shelter | Adoptions Lobby, 300 Harlem Road West Seneca. Join us as we celebrate all things wild and prepare for the busy baby season. Details and wish list here: <https://yourspca.org/wildlifebabyshower/>

Container Gardening Workshop- A free workshop series for new and old gardens, to keep your mind and body warm for the growing season ahead! Space is limited and registration is required. All workshops start promptly at 2pm. Please arrive 10 mins in advance. To register or for any questions please email info@urbanroots.org or call 716-362-8982. Urban Roots, 428 Rhode Island St., Buffalo.

Seed Starting Workshop for Medicinal Herbs and Plants- A free workshop series for new and old gardens, to keep your mind and body warm for the growing season ahead! Space is limited and registration is required. All workshops start promptly at 2pm. Please arrive 10 mins in advance. To register or for any questions please email info@urbanroots.org or call 716-362-8982. Grassroots Gardens, 30 C. Essex St., Buffalo.

Stories in the Woods-10:30am. Enjoy hearing a nature story, followed by a guided walk in the woods. For children ages 3 to 7. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

Western New York Sports and Travel Expo- \$10. The Fairgrounds in Hamburg, 5820 South Park, Hamburg, NY 14075. 10am to 8pm. <https://eriepromotions.com/wny-sport-show/>

Civic Innovation Jam-9:30am to 2pm at Buffalo State College, Bulger Communications Building, 1300 Elmwood, Buffalo. Info and registration at www.buffaloinnovates.com. Learn about the Civic Innovation Ecochallenge-submissions due April 22.

HELLO Orientation-10am to noon at International Institute of Buffalo, 864 Delaware Ave, Buffalo, New York 14209. Do you want to make a personal impact in the life of a newly arrived refugee? Consider becoming a HELLO volunteer and teaching a homebound refugee basic English. HELLO (Home English Language Learners Outreach) volunteers work with clients for just 2 hours a week. Exposure to a new language for 2 hours per week makes a radical difference in language acquisition. This orientation will walk you through everything you need to know. If you're interested, register for our HELLO volunteer orientation by mailing volunteers@iibuff.org.

Owl Prowl at Iroquois National Wildlife Refuge- Register for time and location info. LEAD: Chuck Rosenburg First you'll gain information about owls and how to ethically prowl. Then, be very, very quiet as your group travels through the forest looking for Iroquois NWR owls. All events are free and open to the public. Contact event leaders with specific event questions.' Register @ 585-948-5445.

Saw-Whet Owl Search – 3 to 5pm. Join Naturalist Tom Kerr on a search for roosting Saw-whet Owls at Beaver Meadow Audubon Center! Saw-whet Owls are the smallest owl in New York State, and they are migrating through our area on their way north this spring. Meet at the Nature Center. Pre-registration is required. Binoculars are available. \$5. All Ages/Family Friendly. Call 585-457-3228 to register.

Sunday, March 10

Gardening Workshop: Veggie Container Planting - 2pm. Urban Roots, 482 Rhode Island, Buffalo. Required pre-registration-716-783-9653 or heather@grassrootsgardens.org

Western New York Sports and Travel Expo- \$10. The Fairgrounds in Hamburg, 5820 South Park, Hamburg, NY 14075. 10am to 4pm. <https://eriepromotions.com/wny-sport-show/>

Monday, March 11

Orvis Speaker: Tying Flies-6 to 7:30pm at Orvis, 4545 Transit Rd., Williamsville. Brad Green will demonstrate techniques to tie large predator flies for musky and pike. [Register](#)

Tuesday, March 12

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/category/lecture-series/library/>

ADK General Membership Meeting- 6:30pm – 9:00pm at Amherst Community Church, 77 Washington Hwy, Buffalo, NY 14226. Topic- Education Workshop: Water Purification Techniques | 6:30, Presentation: New York's Forests: Past, Present, & Future | 7:30, by Mathew Nusstein, a naturalist from NYS Parks Dept.

Tuesday Evening Snowshoe Hike-6-8pm, Tuesday evening hikes are free. Dress for the weather. Make sure you bring water and proper foot attire. If you do not have snowshoes you are welcome to rent snowshoes for the evening for \$12.00. We will meet at Paths, Peaks & Paddles at 5:45 pm. We try to car pool weekly to our planned hike location. We like to have vehicle wheels rolling at 6:00 PM. If you would like to join us feel free to contact us Tuesday afternoon. Feel free to email christine@pathspeakspaddles.com or call us at 716-213-0350 for the evening adventure.

Niagara Frontier Botanical Society-7:30pm at Harlem Road Community Center, 4225 Harlem Rd., Snyder. “The Battle Against Invasive Species: Some Recent PRISM Crew Projects” will be presented by Lucy Nuessle, the new project manager at WNY’s Invasive Species Management Program. Nuessle graduated from UB in 2012 with a double major in environmental studies and chemistry. She has worked for the Clean Air Coalition of WNY, at Reinstein Woods, and for the DEC’s Giant Hogweed Control Program. She has also worked at an organic farm and a local nursery.

Wednesday, March 13

Buffalo Ornithological Society Meeting-Buffalo Science Museum @ 7pm. Rarity roundup discussion

Wild Wednesday-4:30 to 5:30pm. Together, kids and their parents or caregivers can enjoy a fun hour-long outdoor activity. For children in grades K through 5. No registration required. Reinstein Woods Nature Preserve.

Cocktail Bitters & Beyond: Properties & Uses of Herbal Bitters-6pm-7:30pm at EMPact America of NY 7615 Seneca Street, East Aurora, Cost: \$12. [Pre-registration](#) required. Once upon a time, humans ate a diverse array of bitter leaves and roots from the wild plants surrounding us. The human gastrointestinal tract developed a complex relationship with bitterness– including special bitter receptors– and our bodies greatly benefit from this flavor for healthy function. In this class, Sarah Sorci of Sweet Flag Herbs and home herbalist Louise Seymour will explore the range of possible effects of bitters, including stimulation of digestive secretions, improved absorption of nutrients and fats, support of healthy blood glucose levels and weight, and more. Sarah and Louise will describe the specific properties of some of their favorite bitters, focusing on those that can be cultivated or sustainably wild-harvested in New York State. Samples of tasty beverages made with homemade cocktail bitters will be shared, along with recipes.

Historic Homeowner Tax Credit Drop-In Workshop-The Drop-In Workshop is a chance to get information about the NYS Historic Homeowner Tax Credit program and to even bring in your own application with any questions! 6pm-6:30pm— NYS Historic Homeowner Tax Credit Program Info Session, 6:30pm-8pm— Questions & Individual Application Reviews. The Drop-In Workshop is \$10 for the general public and free for PBN members. Pre-registration is not required but appreciated by calling 716-852-3300.

Hamburg Garden Club- noon at the Hamburg Community Center, 107 Prospect Ave., Hamburg. Carol Rodgers from the Niagara Region Interpretive Programs Office will present information about the Ice Bridge, which connected Niagara Falls, N.Y. to Canada. Guests are welcome. If you are interested in attending as a guest, please make your reservation at lonabutler4@gmail.com.

Food as Medicine- 6:30pm. This workshop is presented by Christine Fleming, JRCHC Clinical Dietician on Immune-Boosting Nutrition. This class will cover nutrition strategies to promote a healthy immune system. In addition to learning about natural remedies to protect the body against sicknesses like the flu and common cold, the class will look into which foods and beverages to eat more of (and what to avoid) when one starts to feel under the weather. The workshops are presented by MAP in partnership with Jericho Road Community Health Center. Registration is available [online and participants are asked to pay what they can](#).

Writing for the Media: Letters to the Editor, Op-Eds, and More-12:30 to 2:30pm at Buffalo Commons Classroom, 617 Main Street, Suite 300. Learn how to effectively write and use print media to get your message heard. Join Sam Magavern, senior policy fellow at PPG, Dawn Bracely and Greg Connors, editorial writers at The Buffalo News for tips and techniques on how to craft your message. You will have the opportunity to get feedback on your own writing sample. Lunch will be provided! Buffalo Commons offers workshops that share knowledge for the public good on topics ranging from civic engagement and local policy to best practices in community-based research. RSVP by email to buffalocommons@cornell.edu.

UB Lecture Series: Andrew Berman: Just Enough-6:00 PM to 7:30 PM at University at Buffalo, 403 Hayes Hall, 3435 Main Street, Buffalo. Andrew Berman, Principal of Andrew Berman Architect, will present a range of built work and discuss the unique project parameters as well as ongoing concerns and objectives that inform the design process of each building. This event is free and open to the public. Registration is not required.

Behind the Sciences Tours: Cabinets of Curiosities- Buffalo Science Museum, 5 to 7pm for 18+, \$25 per participant which includes museum entry. Go behind the scenes to see what few have seen and explore the Museum's Collection. Tours are approximately two hours in length. Register online or by phone at least one week in advance. Take a peek into the Vertebrate Zoology Collection's spine tingling Cabinet of Curiosities to explore the mind bending stories of some of nature's unique freaks, morbid mistakes and seemingly scientific impossibilities! [Purchase Tickets](#)

Thursday, March 14

Volunteer Orientation for Botanical Gardens- 10am to 2:30pm (sign up by March 4). Orientation to volunteer positions and training. Contact khammer@buffalogardens.com to register.

Wellness Walks-10:00am - 12:00pm. Drop by Tiff Nature Preserve every Thursday and join us for a casual volunteer-led tour of the Preserve. Please call 716-825-6397 to confirm walk will be taking place. Open to all, \$2 donation per person is appreciated.

Educator Workshop: Project Learning Tree Environmental Experiences for Early Childhood- 4 to 7pm. This workshop helps educators engage young children in outdoor exploration. Attendees receive a curriculum guide and music CD that infuse nature into art, reading, math, music and movement. 3 CTLE hours provided. For educators of children ages 3 to 6. Registration required; call 716-683-5959 to sign up.

Tropical Glass Terrarium Workshop- 6 p.m. at the Botanical Gardens, 2655 South Park Ave., Buffalo. Bring a bit of the Botanical Gardens home in this fun and popular class for adults. Participants will discover how low-maintenance closed tropical terrariums are. The cost is \$15 for Botanical Gardens members and \$20 for the general public. Registration is available [online](#).

WNY Herp Membership Meeting: Freshwater/terrestrial crabs-6:45 to 8:45pm at Community Room of the Julia Boyer Reinstein Library, 1030 Losson Road, Cheektowaga, NY 14227. Tyler Mack will discuss "Freshwater and terrestrial crabs for your next exotic pet". The topic is discussing the general themes and specific species that may be good for aquarists/herp keepers.

Friday, March 15

Free museum admission to The History Museum- 10 a.m. - 5 p.m. at 459 Forest Avenue, where Spirit of the City: Imagining the Pan-American Exposition is on view.

Saturday, March 16

The Sweet Life!-11am to 12:30pm at [DeVeaux Woods State Park](#). It's that time of year, maple sugaring time! Join a park naturalist for an indoor presentation about the sugaring process from start to finish, followed by an informal, outdoor, hands-on presentation. Watch sap turn into syrup. *For information & registration call (716)282-5154.*

Maple Sugaring: Past and Present-10:00am-1:00pm at Taylor Road Park, Hamburg. Sharing the methods of sap collection and maple sugaring preparation as practiced by Native Americans, early settlers and modern day producers. Following the program, a delicious pancake brunch will be served featuring our locally produced maple syrup. *Fees include program and brunch. Cosponsored by the Hamburg Recreation Department.* Please register through the Recreation Department by calling (716)646-5145 or visiting their website at www.hamburg-youth-rec-seniors.com.

Seed Starting (Medicinal Herbs & Plants)- A free workshop series for new and old gardens, to keep your mind and body warm for the growing season ahead! Grassroots Gardens, 30 C. Essex St. Space is limited and registration is required. All workshops start promptly at 2pm. Please arrive 10 mins in advance. To register or for any questions please email info@urbanroots.org or call 716-362-8982.

Master Gardeners' Education Day- Classics V on Niagara Falls Blvd., 9-3. The cost is, \$45 for MG's out of county and \$55 for the public. This day will help you with your major gardening issues, soil, insects and critter damage. Register on line at: <http://erie.cce.cornell.edu/events/2019/03/09/master-gardener-education-day-2019> or call Jolie at CCE, 652-5400 ext: 176. We anticipate another sold out event so get your tickets soon.

New Volunteer Orientation-10:30am. If you want to become a volunteer at Reinstein Woods, this program is for you! Learn who we are, what we do and why we do it. We will take a short nature walk after. Must be 18 years or older to volunteer, or have a parent/guardian volunteer with you. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

Woods Walk: Nature Guide's Choice-11am. Join a guided nature walk through the woods. No registration required. Reinstein Woods Nature Preserve.

Dare to Repair Café- 9:30am to 12:15pm at Highgate Heights Elementary School, 600 Highgate Ave. Buffalo 14215. Community event where you can bring broken items that may be able to be repaired by volunteers. Free. www.thetoollibrary.org/daretorepair

Garden Seed Swap- 1:30 to 3:30 p.m. in the Makerspace of the [West Seneca Public Library](#), 1300 Union Rd., West Seneca. Take garden seeds to share or trade with others for free. You can take seeds that are store-bought extras or seeds you saved. If you don't have seeds to swap, you can still attend— there will be plenty of free leftovers. The event is sponsored by the Friends of the West Seneca Library. For info, call (716) 674-2928.

PUSH Monthly Meeting-429 Plymouth Avenue in Buffalo, from 3pm-5pm.

Bird Telepathy (Part 1 of a 3 part series on "Benefits for Birds") – 9 to 10:30am. Join Naturalist Mark Carra for an engaging presentation that will help you get into the mind of a bird. Why do certain birds need humans resulting in their dominance of your bird feeder? Why do some birds show up year after year to attack your basement window or the side-view mirror of your car? We'll attempt to answer these and other burning questions. Pre-registration is required. \$5. Call 585-457-3228 to register.

Eagle Watch at Aqua Lane Park – 10to 11:30am.. Join Naturalist Tom Kerr and check out the Bald Eagles nesting on Strawberry Island in the Niagara River! This nest has been active for over a decade and has been a great place to see Bald Eagles year-round. We'll also look for the Ducks, swans, gulls and other birds also spend their winter on the Niagara River. Meet at parking lot on Aqua Lane. Pre-registration is required. Binoculars are available. Donations are gratefully accepted. Call 585-457-3228 to register.

Sunday, March 17

Wrap your bike's bars-Did your handlebars have a rough year? Bring your bike to this class and learn how to install new bar tape. We have several colors of foam tape to choose from starting at \$10 or bring your own. All classes are held at the GOBike Community Workshop (98 Colvin Ave) on Sundays from 6pm-8pm. Cost for classes is \$10 plus any needed supplies & most classes are limited to 10 people. Please RSVP to adam@gobikebuffalo.org at least TWO days prior to class if you plan to attend.

Monday, March 18

Buffalo & Erie County Botanical Gardens: Indulge—Delectable Botanical Luxurie @ Aurora Public Library Come to the Aurora Town Public Library at 6:30pm to discover the many ways plants are used to create some of our most luxurious food and beauty products. Make some essential oil bath salts and other bath products to take home. This free program is for adults and sponsored by the Friends of the Aurora Town Public Library. Space is limited and registration is required. Please call (716) 652-4440 or stop by 550 Main Street to sign up.

Tuesday, March 19

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/category/lecture-series/library/>

Tuesday Evening Snowshoe Hike-6-8pm, Tuesday evening hikes are free. Dress for the weather. Make sure you bring water and proper foot attire. If you do not have snowshoes you are welcome to rent snowshoes for the evening for \$12.00. We will meet at Paths, Peaks & Paddles at 5:45 pm. We try to car pool weekly to our planned hike location. We like to have vehicle wheels rolling at 6:00 PM. If you would like to join us feel free to contact us Tuesday afternoon. Feel free to email christine@pathspeakspaddles.com or call us at 716-213-0350 for the evening adventure.

How are our communities becoming more resilient- 8am to 12:30pm. \$20. UB South, Hayes Hall. www.bnwaterkeeper.salsalabs.org/1rfworkshop. [info](#)

African Violet and Gesneriads Society of WNY- will meet at 7 p.m. at the Greenfield Health and Rehabilitation Facility, 5949 Broadway, Lancaster. Contact Judy Oneil at judyoneil1945@gmail.com for detailed directions to the meeting.

Toddler Time: Muddy March – 10 to 11:15am. The month of March can be pretty muddy! Let's celebrate the fact by going on a puddle stomp! If for some reason, we don't have puddles, we'll make some! We'll make a muddy craft and have a yummy snack. Dress for the weather. Ages 2-4. \$3. Call 585-457-3228 to register. Beaver Meadow Audubon Center.

Greater Buffalo Environmental Conference -8am to 4:30pm at Buffalo Grand Hotel & Events Center. Technical conference on water quality, management and regulatory topics for academic, consulting, government and industrial professionals. [Agenda & Registration](#)

Wednesday, March 20

Looking for Spring-1 to 3pm at [Artpark State Park](#). Emerge from winter hibernation and join us on a walk through the park to rediscover the beauty of spring. *For information & registration call (716)282-5154.*

Vernal Adventure-2 to 4pm at [Knox Farm State Park](#). Shake off your winter blues and venture out for the vernal equinox to search for signs of spring. *For information & registration call (716) 549-1050.*

Equinox Moon- 7 to 8:30pm at [Knox Farm State Park](#). Come experience the spring equinox under the glow of a full moon during this guided walk through Knox Farm State Park. *For information & registration call (716)549-1050.*

Full Moon Walk: The Worm Moon-7 to 9pm at [DeVeaux Woods State Park](#). Spring welcomes us this year with a full moon! Come explore DeVeaux Woods as we take a leisurely stroll with a glow from the night sky. *For information & registration call (716) 282-5154.*

An Archeologist's Perspective- 7pm presentation in the auditorium of the Gateway Executive Office Building, 3556 Lake Shore Rd. Blasdell, NY. Dr. Caitlin Chaves Yates' talk will explore the differences between archaeology and paleontology and examine how archaeologists work. Drawing on her experience as an archaeologist working in the Middle East, Dr. Chaves Yates will discuss what archaeology is and how archaeologists use material culture (artifacts) to make interpretations about the past. This talk will look at objects and archaeological excavations from ancient Mesopotamia and explain how they can help us understand ancient cities. Admission \$4, or FREE to Penn Dixie members and their guests. No registration needed. Snacks and refreshments will be served.

Senior Stroll-10am. Experience nature at your own pace, and enjoy a leisurely guided walk through the woods. For adults only. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

First Day of Spring Full Moon Walk-7pm. Join us for a walk on this first full moon of spring and learn why it will be a super moon. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

LCD and Arduino-6:30 - 8 p.m. Bring your laptop to this all-skills workshop introducing tinkering and coding for Arduino. You'll move from installation to implementation on a project coding text on LCD displays. Each participant will take home an Arduino to continue to develop their skills. This workshop is presented with Canisius College. *\$15 per participant, plus \$15 supply fee.* [register](#)

Thursday, March 21

Adventures in Buffalo History-This speaker series features different Explore Buffalo docents presenting lectures on a wide variety of topics. Each session will have two different lectures. All sessions are from 7-9 PM on Thursday evenings at First Presbyterian Church of Buffalo on Symphony Circle. Admission per session: \$10. [Explorer Pass](#) Holders: Free. Topic: **Trailblazers of Buffalo, Buffalo: An Early Modern Powerhouse.** [Register.](#)

Wellness Walks-10:00am - 12:00pm. Drop by Tiff Nature Preserve every Thursday and join us for a casual volunteer-led tour of the Preserve. Please call 716-825-6397 to confirm walk will be taking place. Open to all, \$2 donation per person is appreciated.

Savor Del Mar: Aliens of the Sea-6 to 9pm. The Aquarium of Niagara's premier wine and food fundraising event that supports our animal collection and ongoing conservation efforts. Indulge in catered stations from [CRaV-ing Restaurant](#), prepared by Executive Chef Adam Goetz. Sip on wine or beer and taste some of the best cuisine Buffalo Niagara has to offer! Explore our brand new exhibit, Aliens of the Sea and taking a walk through our renovated 1st floor gallery. Tickets [here](#)

Orvis Talk: Steelhead Fishing-6 to 7:30pm at Orvis, 4545 Transit Rd., Williamsville. WNY's pioneering spey guide Brian Slavinski will demonstrate his tactics and fly selection for fishing high flows on WNY's tributaries for steelhead. [Register](#)

Plantasia-10am to 9pm. www.plantasiany.com The Fairgrounds Event Center and Artisan Hall, 5820 South Park Avenue, Hamburg, NY 14075. Enjoy a tropical experience with Plantasia in Paradise Journey through 14 fully landscaped gardens displaying flowers, trees, water features and hardscapes. See how you too can bring the tropics to your home garden.

Buffalo Meets-5 to 8pm at The Barrel Factory for Working for Downtown's premier social event, 65 Vandalia St, Buffalo, NY 14204.

STEAM Family Night- 6:00 pm – 8:00 pm at Depew High School, 5201 Transit Rd., Depew. Feature hands-on activities, make-and-takes, and demonstrations highlighting science, technology, and engineering related skills. The interactive booths will provide opportunities for all to experience the exciting work students are exploring at school. Families will be able to learn about robotics and coding activities and play STEAM based family games as well as competitions. We will also showcase some of our technology, as well as an expanded make and take area themed around "Out of this World". Students can make Galaxy tiles, robots, aliens and rockets to launch. There will also be a station where students can create a 10 second stop animation video.

Friday, March 22

Timberdoodle Time!-6:30 to 8:30pm at [Evangola State Park](#). Take a frog-serenaded evening hike and explore the singing grounds of American Woodcocks for the rare and dazzling dusk Timberdoodle display flight! *For information & registration call (716)549-1050.*

Plantasia-10am to 9pm. www.plantasiany.com The Fairgrounds Event Center and Artisan Hall, 5820 South Park Avenue, Hamburg, NY 14075. Enjoy a tropical experience with Plantasia in Paradise Journey through 14 fully landscaped gardens displaying flowers, trees, water features and hardscapes. See how you too can bring the tropics to your home garden.

Saturday, March 23

Beerology-6 to 10pm at the Science Museum. \$49 general admission. Learn about the science of beer and enjoy some at the annual fundraiser. Tickets at <http://sciencebuff.org>

WNY Science Regional Science and Engineering Fair-D'Youville College. <http://wnysc.org/> for more info.

Soil Testing and Common Weeds- A free workshop series for new and old gardens, to keep your mind and body warm for the growing season ahead! Space is limited and registration is required. All workshops start promptly at 2pm. Please arrive 10 mins in advance. To register or for any questions please email info@urbanroots.org or call 716-362-8982. Massachusetts Avenue Project Farmhouse, 387 Massachusetts Ave., Buffalo.

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

Plantasia-10am to 9pm. www.plantasiany.com The Fairgrounds Event Center and Artisan Hall, 5820 South Park Avenue, Hamburg, NY 14075. Enjoy a tropical experience with Plantasia in Paradise Journey through 14 fully landscaped gardens displaying flowers, trees, water features and hardscapes. See how you too can bring the tropics to your home garden.

Posh Paws Gala: Fundraiser for Heart for Animals-6pm - 10pm @ Kotecki's Grandview Grove, 4685 Seneca Street, West Seneca. Cost \$50.00 PRESALE ONLY. Tickets available at 206 Lake Street, Hamburg and on Eventbrite. <https://heartforanimals.org/2019/02/18/posh-paws-gala-2019/>. Family Style Dinner (Vegetarian Friendly), Wine, Draft Beer and Pop included, Cash Bar for Well and Premium Drinks, Basket Auction / Upscale Basket Auction / Wine Toss.

Spring Search – 10am to noon. Join Naturalist Mark Carra at Beaver Meadow for a hike to find the first signs of the spring awakening. We'll check out the part of Beaver Meadow that is the first to come to life. Pre-registration is required. \$5. All Ages/Family Friendly. Call 585-457-3228 to register.

North Tonawanda Owl Prowl – 6:30 to 8pm. Join Naturalist Tom Kerr for a nocturnal hike through the North Tonawanda Audubon Preserve! We'll be looking and listening for the Eastern Screech-owls that make their home in this forested wetland. Waterproof footwear is strongly recommended. Meet at the corner of Raymond Ave. and Birch St. Pre-registration is required. \$7. Ages 8+. Call 585-457-3228 to register.

About Boating Safely-8 hour boat safety course from 8am to 5pm at Hamburg Senior Community Center, 4540 Southwestern Blvd., Hamburg. [Flyer](#). Contact Eileen Reiner at reiner7@verizon.net. \$40.

About Boating Safely-8 hour boat safety course from 9am to 5pm at Officers Club Fort Niagara 1 Scott Ave, Youngstown, NY 14174. [Flyer](#). Contact Marty Laufer at mdl29@msn.com.

Sunday, March 24

Winter Bike Maintenance-Bikes ridden through rain, salt, snow, and sludge need a little extra attention. We will show you how to keep your ride running in tip top shape. We will also share tips for winter riding and choosing a winter bike. All classes are held at the GObike Community Workshop (98 Colvin Ave) on Sundays from 6pm-8pm. Cost for classes is \$10 plus any needed supplies & most classes are limited to 10 people. Please RSVP to adam@gobikebuffalo.org at least TWO days prior to class if you plan to attend.

Plantasia-10am to 5pm. www.plantasiany.com The Fairgrounds Event Center and Artisan Hall, 5820 South Park Avenue, Hamburg, NY 14075. Enjoy a tropical experience with Plantasia in Paradise Journey through 14 fully landscaped gardens displaying flowers, trees, water features and hardscapes. See how you too can bring the tropics to your home garden.

Monday, March 25

New York State Turfgrass Association Western Regional Conference-Millennium Buffalo, 2040 Walden Ave, Buffalo, NY 14225. More information at: <http://www.nysta.org/events/western2019/west2019.html>.

Tuesday, March 26

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/category/lecture-series/library/>

Sierra Club Monthly Meeting-7:00-9:00 PM, Daemen College, 4380 Main Street Amherst, Research and Information Commons (Library) Room 101. All are welcome.

Tuesday Evening Snowshoe Hike-6-8pm, Tuesday evening hikes are free. Dress for the weather. Make sure you bring water and proper foot attire. If you do not have snowshoes you are welcome to rent snowshoes for the evening for \$12.00. We will meet at Paths, Peaks & Paddles at 5:45 pm. We try to car pool weekly to our planned hike location. We like to have vehicle wheels rolling at 6:00 PM. If you would like to join us feel free to contact us Tuesday afternoon. Feel free to email christine@pathspeakspaddles.com or call us at 716-213-0350 for the evening adventure.

Wednesday, March 27

Beekeeping Class: Beekeeping 101-6:00 PM to 7:00 PM at Masterson's Nursery, East Aurora. We'll cover the basics of bees, including basic hive anatomy, most frequently asked questions from new beekeepers, and things to consider before getting started with your first hives. Pre-registration is required. [Register](#) today so we can save you a seat!

Butterfly Pinning- 6:30 - 7:30 p.m. at the Science Museum. Hear the inside story behind the Museum's stunning BUGWORKS sign. Learn how to do it yourself in this workshop on relaxing and pinning moths and butterflies. Pinning boards are available for use during the program, or \$13 to take home. BYO bug if you like! [register](#)

West Valley Citizen Task Force- 6:30 PM. Ashford Office Complex, 9030 Route 219, West Valley, NY Please check back in early March for the meeting agenda.

STANYS Mini-Conference for Science Education-3:30 pm – 7:00 pm at Buffalo State College - Math and Sciences Building, 1300 Elmwood Ave., Buffalo. We are welcoming science teachers from all over WNY to deep their understanding of STEM topics and learn what the organizations in the area have to offer. This event is historically well attended, and the exhibitors are always a huge hit with the teachers in attendance!

Thursday, March 28

Wellness Walks-10:00am - 12:00pm. Drop by Tiff Nature Preserve every Thursday and join us for a casual volunteer-led tour of the Preserve. Please call 716-825-6397 to confirm walk will be taking place. Open to all, \$2 donation per person is appreciated.

Buffalo Niagara Teen Science Cafe -6:00 pm at The Frank E. Merriweather, Jr. Library, 1324 Jefferson Ave., Buffalo. Free. We'll be learning about Food, Environment, and Social Networks with Jessica Gilbert, Partnership for the Public Good Research Associate and Geography PhD Candidate, and Sylvia Kelly, Coordinator of Global Projects for the UB Food Lab Master of Urban Planning Student. Facebook event: <https://www.facebook.com/events/331797117430244/>

WNY STEM Annual Meeting and Session: How WNY Women & Minorities Move STEM Innovation-9:00 am – 11:00 am at Buffalo History Museum, 1 Museum Court. Keynote Speaker: Ms. Cindy Simpson, Chief Business Development Officer, Association for Women in Science (AWIS). Info@wnystem.org for info.

Friday, March 29

Make a Terrarium with the Botanical Gardens-Kenilworth Branch Library, 6:30-7:30pm. Learn about what plants need to grow and the water cycle while creating the perfect habitat for a tropical plant. This miniature ecosystem is fun to create and easy to care for. Space is limited and registration is required. Registration begins Friday, March 1st at 12pm. Register by phone at 834-7657. For children ages 5-12. Presented by the Buffalo Botanical Gardens.

Saturday, March 30

Earth Hour-8:30 to 9:30pm. Join people from around the world who are going dark for the hour in their time zone.

Horticulture VI: World Tour of Garden Design-The Buffalo and Erie County Botanical Gardens will hold a series of [Horticulture VI classes](#) from 11 a.m. to 1 p.m. on five Saturdays at the Botanical Gardens, 2655 South Park Ave., Buffalo. The cost for Botanical Gardens members is \$100 for the entire series or \$20 per class. For the general public, the cost is \$125 for the series or \$25 per class. The classes are taught by Horticulturist David Clark. These classes are intended for beginners or gardeners and landscapers wishing to brush up on their skills. Those who complete each series will be presented with a certificate of completion. More information and registration is available [online](#).

Lake Ontario Plain Field Trip for Early Migrants-Meet at 8 AM at Tops Market in Wright's Corners. This is on the east side of Route 78 at Route 104, north of Lockport. This popular field trip seeks returning birds, like Killdeer, blackbirds, and Eastern Meadowlark, overwintering birds, like Rough-legged Hawk, Snow Bunting, and Lapland Longspur, and an abundance of waterbirds. We will look for loons, grebes, a variety of ducks and geese, and any goodies that might be around. Seven species of geese have been found on this trip in the past! We will also keep our eyes to the skies in search of migrating raptors, which are often prevalent in spring up by Lake Ontario. Previous trips have recorded Golden Eagle. Come join us and start to get over your spring fever! Leader: Willie D'Anna (716-751-3637 or dannapotter@roadrunner.com)

Who's Awake?-10am. On this guided walk we will search for early risers and migrants in the preserve. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

Birding 101: Class #3-2:30pm. What bird am I? Come learn the general types of birds found in Reinstein Woods. For adults and children ages 8 and older. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

Earth Hour Program-10:30am -11:30am. Earth Hour is an international event organized by the World Wide Fund for Nature to raise awareness about climate change and what we can do to help our planet. To celebrate, join educator Jill Schwab for a children's story hour at the Portville Library. Jill will share stories that focus on the environment and fun children's crafts will be included. This program is a great way to connect kids to the beautiful blue planet that we call home. This event will be held at The Portville Free Library, 2 North Main Street, Portville, New York 14770. This program is free and open to the public. Registration is not required. Pfeiffer Nature Center is supported by United Way

BMC Speaker Series: Great Lakes Storms & Forecasting-11am to noon at Buffalo Maritime Center. Why is weather forecasting in the Great Lakes so difficult? What causes such catastrophic storms? Come hear veteran meteorologist and TV personality Don Paul share his knowledge & experience predicting weather in our region. **ONLY 75 SPACES AVAILABLE!** Register now – seats fill up fast! \$5 suggested donation at the door. [register](#)

Eagle Watch at Iroquois NWR- 1 to 4pm LEAD: Bob Ensminger LOCATION: Cayuga Overlook (Rt. 77) View and learn about resident bald eagles and other migratory birds at one of our most popular events. Bring binoculars and/or share scopes. Weather dependent. All events are free and open to the public. For info, 585-948-5445

Money Talks-Join us for the documentary *Dark Money!* Learn how money from secret, out-of-state funders was used to buy influence with state legislators in Montana, and how a determined investigative journalist exposed their activities. Stay for the discussion! Does the Federal Election Commission protect us from such activities? Does New York State election law play a role? Share your thoughts over coffee! Registration: 12:30 p.m., Documentary begins at 1:00 p.m. at Harlem Road Community Center, 4255 Harlem Rd., Amherst, NY 14226. Free and open to the public. Light refreshments will be provided. RSVP To reserve your place, send email to lwvbn@lwvbn.org or call the League office at (716) 986-4898.

Owens Falls Trek – 9 to 10:30am. Join Naturalist Mark Carra for an exploratory walk through the Western New York Land Conservancy's Owen's Falls Sanctuary. We'll search for spring growth, salamanders and anything that happens by us. Pre-registration is required. Donations gratefully accepted. All Ages/Family Friendly. Call 585-457-3228 to register.

Beaver Meadow Owl Prowl – 6:30 to 8pm. Join Naturalist Tom Kerr as we continue to search for Owls after dark at Beaver Meadow. We'll be calling for the Eastern Screech-owls and the Barred Owls that make their home in our 400 acre preserve. Meet at the Nature Center. Pre-registration is required. \$7. Ages 8+. Call 585-457-3228 to register.

Living With & Without Plastic- 9:30 am to 12:30pm at Roycroft Campus, East Aurora. Plastic products have become so ubiquitous in our lives that, in addition to their benefits, threats to our environment and health have become evident. In this workshop we'll discuss ways to eliminate some plastic and reuse others, helping to lessen its negative impact while taking advantage of the convenience it offers. You'll make some projects to start you toward a plastic-free lifestyle. Cost - \$30 (includes supplies). Register at <http://oakmossed.com>

Sunday, March 31

Fix a Flat-Learn the ins and outs of fixing a flat on your bike.

Includes hands on instruction on tube patching and tube and tire removal and reinstallation. We will also discuss different types of punctures as well as flat prevention. All classes are held at the GObike Community Workshop (98 Colvin Ave) on Sundays from 6pm-8pm. Cost for classes is \$10 plus any needed supplies & most classes are limited to 10 people. Please RSVP to adam@gobikebuffalo.org at least TWO days prior to class if you plan to attend.

Sally Cunningham Talk-1:30pm at [Lockwood's Greenhouses](#), 4484 Clark St., Hamburg. Longtime garden writer, along with Jim Charlier, recently completed a book that defines Buffalo-style gardens once and for all. Cunningham will be present the [Buffalo-Style Gardens talk](#).

Monday, April 1

The Art of the Brick-Ticketed event at Buffalo Science Museum. Created by renowned contemporary artist Nathan Sawaya and named one of CNN's Top Ten 'Global Must-See Exhibitions. Ticket info at <https://www.sciencebuff.org/>

Tuesday, April 2

Tuesday Evening Hike-6-8pm, Tuesday evening hikes are free. Dress for the weather. Make sure you bring water and proper foot attire. We will meet at Paths, Peaks & Paddles at 5:45 pm. We try to car pool weekly to our planned hike location. We like to have vehicle wheels rolling at 6:00 PM. If you would like to join us feel free to contact us Tuesday afternoon. Feel free to email christine@pathspeakspaddles.com or call us at 716-213-0350 for the evening adventure.

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/category/lecture-series/library/>

Wednesday, April 3

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

Symposium of Architectural History: The Whiteness of 19th Century American Architecture-noon to 6pm at UB South, 403 Hayes Hall, Buffalo. This symposium examines the racial discourses that subtended "American Architecture" movements during the long nineteenth century. Explore this site to learn more about the specific themes, case studies and speakers that will be featured at this event. "The Whiteness of American Architecture" is organized by Charles Davis II, UB assistant professor of architecture. This event is free and open to the public. Registration is not required.

Buffalo Talks: Tall Ships Visit –Noon to 1pm at Buffalo & Erie County Central Library. Join us to hear Michael Vogel, founding President of the Buffalo Lighthouse Association, talk about the Tall Ships Festival that will be coming to Canalside on the July 4th Holiday weekend! Free. [Click Here to Register](#)

Thursday, April 4

Wellness Walks-10:00am - 12:00pm. Drop by Tiff Nature Preserve every Thursday and join us for a casual volunteer-led tour of the Preserve. Please call 716-825-6397 to confirm walk will be taking place. Open to all, \$2 donation per person is appreciated.

Genesee County Master Gardeners Talk-free from 12:15 to 12:45 p.m. on the first Thursday of the month at the Cornell Cooperative Extension office, 420 E. Main St, Batavia. Take your lunch. Registration is not required. [“Composting 101”](#) Keep your new year's resolution and start composting this year. There are many different ways to make a compost pile and we'll explore some of the ways you can make your own black gold for your garden.

“Tree Selection for Any Condition”- 1 p.m. at [Draves Arboretum](#), 1821 Sharrick Rd., Darien.

The first part of the presentation will be in a classroom setting, then the group will be move outside to the arboretum grounds. Dr. Nina Bassuk, professor and program leader of the Urban Horticulture Institute at Cornell University for the past 38 years, will speak. Admission is \$45. Pre-register by contacting the Arboretum at 585-547-9442 or dravesarboretum@rochester.rr.com. The presentation will look at the question: What is the best urban tree? There are many common trees that are preferentially grown in cities worldwide. In the eastern United States, maples (*Acer* spp.) make up about 40 percent of the urban tree population. In Scandinavia and other parts of Europe, lindens (*Tilia* spp.) make up a very large percent of the urban tree population. The problem with growing just a few tried and true species is that if they become susceptible to an insect or disease (and inevitably there is always some new insect or disease!), the demise of these trees causes an enormous negative effect on the urban landscape. Moreover, tree planting sites are subject to microclimates and soil disturbance caused by buildings and paved surfaces and the aftereffects of urban development. With a combination of knowledgeable site assessment, soil remediation strategies and appropriate plant selection, we can make the best choices for thriving plants in any site.

Proven Winners-Part 1 -6:30 p.m. Thursdays at Lockwood's Garden Center, 4484 Clark St., Hamburg.

Part 1 will be held April 4 and Part 2 will be held April 25. The price is \$10 per session or \$18 for both sessions. Get a behind-the-scenes look at how these garden winners are trialed and tested before they go into production at Lockwood's. Valerie Rollins of Four Star Greenhouses in Michigan will explain how Proven Winners annuals are grown and selected for hardiness, bloom size, color and longevity. Learn what is new in the greenhouses for 2019. [register](#)

Tips for the Environment:

1. **Unplug for a day**- National Unplugged Day is March 1. While you may not be able to stay offline that day, plan for an e-vacation. Take the pledge at <https://www.nationaldayofunplugging.com/>
2. **Turn the lights off**-Earth Hour is celebrated annually around the globe. On March 30 from 8:30pm to 9:30pm, flip the switch. Have a candlelight dinner or sit in the dark for an hour to conserve power and light pollution. <https://www.earthhour.org/what-is-earth-hour>

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

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.

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.

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.

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@excalibur.org or visit <http://excalibur.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.

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

Habitat for Humanity needs volunteers to help impact lives of families in the city of Buffalo by building simple, decent homes. Call 204-0740 or volunteer@habitatbuffalo.org.

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

HOME, Inc. (Housing Opportunities Made Equal) seeks volunteers to work on various committees to further fair housing. For info/application, email muj265@homeny.org or visit their website at www.homeny.org.

Iroquois Observations offers free nature programs in partnership with the Buffalo Audubon Society each spring and fall. Please contact Garner Light at 772-5110 or 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

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.

Preservation Buffalo Niagara-Interns & volunteers welcome. 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 serves 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, 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.

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.metroyny.com/events.php>

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

Re-Energize Buffalo Blog- <http://renewnrg.blogspot.com/>
<http://buffalorising.com>
<http://rochesterenvironment.com/calendar.htm>

Additional local blogs and websites-

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/>
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>
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
Black Dog Rescue- www.blackdogsecondchance.org
Peace Weavers- <http://peaceweavers.org/>
Eco-Island Nature Center- <https://www.grandislandschools.org/domain/49>
NY Sport Fishing- <http://www.fishny.com/>
Erie Canal Trailway- www.ptny.org/bikecanal
Niagara Watershed Alliance- <http://www.had-e-nuff.com/id6.html>
Rochester Roots-<http://www.rochesterroots.org/>
New York Times Green Energy & Environment-<http://green.blogs.nytimes.com/>
We Love Outdoors-<http://www.weloveoutdoors.com/>
WNY Chapter/American Chemical Society- <http://wny.sites.acs.org/>
Fishing Outdoors- <http://www.huntnyoutdoors.com/events.php>
Citizen Science Opportunities- [listing](#)

County/New York State Resources

Erie County GIS Mapping- <http://gis2.erie.gov/HTML5/ErieCountyNY/>
Geographic Information Gateway <http://opdgig.dos.ny.gov/#/home>

Green Jobs, Internships and Opportunities

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

Youth Summer/Holiday Camps/Home School Series

www.aquariumofniagara.org

www.buffaloaudubon.org

www.buffalogardens.com

www.buffscience.org

www.tifft.org

www.buffalozoo.org

www.penndixie.org

www.yourspca.org

Education Resources

[Green Education Foundation](#)

[Facing the Future](#)

[Cloud Institute for Sustainable Education](#)

[Sustainable Futures Institute](#)

[Nature Generation.](#)

[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.grantstation.com

www.grantwatch.com

www.grantsalert.com

<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>

Dispenzas Meat Market and CSA- <https://dispenzas.com/>

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

First Light Farm and Creamery- <http://www.firstlightfarmer.com/>

Five Loaves Farm- <https://5loavesfarm.org/>

Good Food Farm- 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)

Greys U-Pick- <http://gregsupick.com/>

Groundwork Market Garden- <http://www.groundworkmg.com>

Harvest Patch- <http://www.harvestpatch.com/>

Kindred Kreek Farms- <https://www.kindredkreek.com/>

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

McCollum Orchards/Wildwood CSA- <http://www.oldfarmnewlife.com/>

Michigan Riley Farm- <http://michiganrileyfarm.wordpress.com/>
Native Offerings- <http://nativeofferings.com/>
Niagara Malt- 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
Sinemus Farms- <http://www.sinemusfarms.com/>
Singer Farms Naturals-www.singerfarmnaturals.com
Teacup Farm- <http://www.teacupfarm.com/>
Thorpe's Organic Farm- www.thorpesorganicfamilyfarm.com
Westside Tilth Farm- <http://westsidetilth.com/>
Wilson Street Urban Farm- <http://wilsonstreeturbanfarm.wordpress.com/>
WNY Farmers' Markets- http://www.bestofwny.com/farmers_market/
Local Harvest (resource site with map of CSAs)-<http://www.localharvest.org/>
Local Meats- <http://meatsuite.com/>
NY State Fruit and Vegetable Harvest Calendar- <https://www.agriculture.ny.gov/HarvestCalendar.html>

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)

Batteries- Twin Village Salvage Recycling, 4153 Broadway, Depew 683-5373
Batteries, rechargeable- drop offs at Office Depot, Best Buy, Target, Walmart, Lowe's, Home Depot
Bicycles- Buffalo Blue Bicycle <http://gobikebuffalo.org/>
Books- www.booksforafrica.org, www.operationpaperback.org
Bottle and jar caps-Weisenbach Recycled Products in Ohio. CapsCando.com.
Bras- www.donateyourbra.com, www.brarecycling.us
Building materials- www.buffaloreuse.org
Cars- <http://www.donateacar.com/>
Cell Phones-Buffalo Zoo, Aquarium of Niagara and other charities
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/, www.careergear.org, 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, SunKing drop-offs
Construction Materials-Buffalo ReUse, Habitat for Humanity Restore
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, most electronics stores, www.sunking.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 18th St., Spirit Lake, IA 51360.
Fur coats (incl faux fur)- <http://coatsforcubs.com> (used for animal rehab for young animals)
Furniture-Goodwill, Salvation Army, Amvets and other charities
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 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

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

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

Recycling A to Z - realsimple

Shoes, athletic-NikeReuseAShoe.com, Souls4Souls.org and OneWorldRunning.com

Sports equipment-resell/trade at www.playitagainsports.com

Styrofoam- Thermal Foams, Inc. fors 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

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

Water filters-Brita partners with 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

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.

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

Buffalo Niagara Gardening	https://buffalo-niagaragardening.com/
Buffalo and Erie County Botanical Gardens	www.buffalogardens.com
Buffalo Farm to School Program	http://buffalofarmentoschool.org/
Buffalo Geological Society	www.bgsny.org
Buffalo Green Code	http://www.buffalogreencode.com/
Buffalo Heritage Carousel	http://buffaloheritagecarousel.org/
Buffalo in Bloom	http://www.buffaloinbloom.com
Buffalo Maritime Center	http://www.buffalamaritimecenter.org/
Buffalo Museum of Science	www.sciencebuff.org/
Buffalo Niagara Waterkeeper	https://bnwaterkeeper.org/
Buffalo Olmsted Parks Conservancy	www.bfloparks.org
Buffalo Orienteering Club	http://www.buffalo-orienteeing.org/
Buffalo Ornithological Society	http://www.buffaloornithologicalsociety.org/
Buffalo Recycles	http://buffalorecycles.org/
Buffalo ReUse	www.buffaloreuse.org/
Buffalo Urban Development Corp	http://budc.ecidany.com/
Buffalo Zoo	www.buffalozoo.org
Burchfield Nature and Art Center	http://www.burchfieldnac.org/
Center for Environmental Information (Rochester)	http://ceinfo.org/
Center for the Study of Art, Architecture, History and Nature	http://buffaloah.com/h/center/index.html
Chautauqua Watershed Conservancy	http://www.chautauquawatershed.org/
Chestnut Ridge Conservancy	http://chestnutridgeconservancy.org/
Citizens Campaign for the Environment	www.citizenscampaign.org
Citizens Coalition for Wildlife and Environment	http://citizencoalitionwe.com/

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

Erie County Federation of Sportsmen's Clubs	http://www.eriectyfsc.org/
Erie County Parks and Recreation	http://www.erie.gov/parks
Erie County Soil and Water Conservation	www.ecswcd.org/
Excalibur Leisure Skills	https://www.facebook.com/excaliburleisureskills/
Explore Buffalo	www.explorebuffalo.org
Farm2Curb	https://www.facebook.com/farmtocurb
Field and Fork Network	http://fieldandforknetwork.com/
First Hand Learning	www.firsthandlearning.org
Food Policy Council of Buffalo & Erie County	http://www2.erie.gov/fpc/
Foundry	http://thefoundrybuffalo.org/
Friends of the Iroquois National Wildlife Refuge	http://www.friendsofiroquoisnwr.org/
Friends of Reinstein Woods	http://reinsteinwoods.org
Friends of Times Beach Nature Preserve	http://www.friendsoftimesbeachnp.org/
Foothills Trail Club	www.foothillstrailclub.org
Gardens Buffalo Niagara	https://gardensbuffaloniagara.com/
Garden Clubs of WNY	www.gardenclubsofwny.com
Genesee County Nature Center	http://co.genesee.ny.us/departments/parks/inc.php
Genesee County Village & Museum	https://www.gcv.org/
Global Justice Ecology Project	http://globaljusticeecology.org/
Go Bike Buffalo	http://gobikebuffalo.org/
Go Buffalo Niagara	http://gobuffaloniagara.org
Gooseneck Hill Waterfowl Sanctuary	www.gooseneckhillwaterfowlfarm.com
Grassroots Gardens of Buffalo	www.grassrootsgardens.org/
Greater Buffalo-Niagara Regional Transportation Council	www.gbnrtc.org/

Great Lakes Beach Sweep	http://greatlakesbeachsweep.org/
Great Lakes Center at Buffalo State College	http://greatlakescenter.buffalostate.edu/
Great Lakes Experience	http://www.thegreatlakesexperience.org
Green Development Zone	http://greendevlopmentzone.org/
Green Sun Seed Library	www.facebook.com/groups/GreenSunSeedLibrary/
Greenworks WNY	https://www.facebook.com/Greenworks-Buffalo-Niagara-418537631544691/
Groundwork Buffalo	http://gwbuffalo.org/
Habitat for Humanity Buffalo	http://www.habitatbuffalo.org/
Hawk Creek Wildlife Center	https://www.hawkcreek.org
HEART Animal Rescue and Adoption	https://www.heartforanimals.org/
Heart of the City Neighborhoods, Inc.	www.hocn.org
H.O.P.E of WNY	https://www.reptilekeeperllc.com/
Housing Opportunities Made Equal	http://www.homeny.org/
Imagine Greater Buffalo Lifelong Learning	http://imaginelifelonglearning.com/
Innovation Center Buffalo	http://innovationcenterbuffalo.org/
Iroquois National Wildlife Refuge	http://www.fws.gov/refuge/iroquois/
Jamestown Audubon Center & Sanctuary	http://auduboncnc.org/
Jamestown Community College	http://www.sunyjcc.edu/sustainability
Junior Solar Sprint Buffalo	www.jssbuffalo.com
League of Women Voters of Buffalo Niagara	http://www.lwvbn.org/
Local Initiatives Support Corporation	http://www.lisc.org/buffalo/
Lyceum at Silo City	https://www.lyceumsilo.city/
Massachusetts Avenue Project	http://mass-ave.org/
Matt Urban Human Services Center	http://urbanctr.org/

Messinger Woods Wildlife Care and Education Center, Inc	www.messingerwoods.org
Nannen Arboretum	http://www.nannenarboretum.org/
Nature Conservancy-Central and Western New York Chapter	http://Nature.org
Nature Sanctuary of Western New York	http://nsswny.org/
New York Farm Bureau	http://www.nyfb.org/
New York Flora Association	http://www.nyflora.org/
New York Forest Owner's Association	www.nyfoa.org
New York Interfaith Power and Light	www.newyorkipl.org/
New York League of Conservation Voters	http://www.nylcv.org/
New York Power Authority	www.nypa.gov
New York Public Interest Research Group	http://www.nypirg.org/
New York State Association of Conservation Commissions	http://www.nysacny.org/index.php
New York State Ornithological Association	http://nybirds.org/index.html
New York State Outdoor Education Association	http://nysoea.org/
New York State Parks	www.nysparks.com
New York State Sea Grant	http://www.seagrantsunysb.edu/
New York State Soil and Water	http://www.nys-soilandwater.org/
Northeast Sustainable Agriculture Working Group	http://nesawg.org/
New York Upstate Chapter of the Green Building Council	http://www.greenupstateny.org/
New York State Wetlands Forum	http://www.wetlandsforum.org
Niagara County Farm Bureau	http://www.niagaracountyfarmbureau.com/
Niagara County Landfill and Recycling	http://www.rethinkyourwaste.com/
Niagara County Parks	http://www.niagaracounty.com/Parks/
Niagara County Soil and Water Conservation District	www.niagaraswcd.com

Niagara Fishing Expo	http://niagarafishingexpo.com/
Niagara Frontier Botanical Society	https://sites.google.com/a/niagarafrontierbotanicalsociety.org/niagar
Niagara River Anglers Association	www.facebook.com/Niagara-River-Anglers-1013633888708865/
Niagara River Greenway Commission	https://www.niagararivergreenway.com/
Niagara University Sustainability	http://www.niagara.edu/green/
Northeast Organic Farming Association of New York	http://nofany.org
Oakmossed Education	http://oakmossed.com
One Region Forward	http://www.oneregionforward.org/
Open Buffalo	http://www.openbuffalo.org/
Our Outer Harbor	http://www.ourouterharbor.org/
Partners for a Livable WNY	https://www.livablewny.org/
Partnership for the Public Good	www.ppgbuffalo.org
Paths, Peaks and Paddles	www.pathspeakspaddles.com
Penn Dixie Paleontological and Outdoor Education Center	www.penndixie.org
Pfeiffer Nature Center (Portville)	www.pfeiffernaturecenter.org
People United for Sustainable Housing	http://www.pushbuffalo.org
Plant WNY	http://www.plantwny.com/
Pollinator Conservation Association	http://www.pollinatorconservationassociation.org/
Preservation Buffalo Niagara	http://www.preservationbuffaloniagara.org/
Primate Sanctuary	http://theprimatesanctuary.com
PUSH Blue	https://www.facebook.com/PUSHBlueWNY/
Regional Councils NYS	http://regionalcouncils.ny.gov
Reinstein Woods Nature Preserve	www.dec.ny.gov/education/1837.html
ReNU Niagara	https://levesqueinstitute.niagara.edu/

Reptile Adoption, Rehabilitation and Education, Inc. (RARE)	http://rarerehab.org/
Restore our Community Coalition	http://roccbuffalo.org/
Retree Western New York	www.re-treewny.org
ReUse Action	http://reuseaction.com/
Rise Up for Climate Justice	https://www.facebook.com/riseupforclimatejustice/
Rochester Environmental Groups	http://rochesterenvironment.com/EXTRA/enviromentalists.htm
Roger Tory Peterson Institute	www.rtpi.org
Science Demands Action	www.sciencedemandsaction.org
Service Collaborative of WNY	http://www.tscwny.org/
Sierra Club (Niagara Group of Atlantic Chapter)	http://niagarasierraclub.com/
Slow Roll Buffalo	http://slowrollbuffalo.org/
South Buffalo Alive	https://www.facebook.com/South-Buffero-Alive-174141769403626/
SPCA serving Erie County	www.yourspca.org
Street Synergy	http://www.streetsynergy.org/
SUNY Fredonia	http://www.fredonia.edu/gogreen/
Sustainability at Buffalo State	http://sustainability.buffalostate.edu/
Tifft Nature Preserve	http://www.tifft.org/tifft/
Tonawanda Creek Watershed Committee	https://www.facebook.com/TonawandaCreek/
Tonawanda Tomorrow	http://tonawandatomorrow.org/
Tuscarora Environmental Task Force	http://www.tuscaroraenvironment.com
21 st Century Park on the Outer Harbor	http://21stcenturypark.org/
UB Engineers for a Sustainable World	http://www.eswub.com/
UB Environmental Network	https://www.facebook.com/UBEnvironmentalNetwork/
UB Office of Sustainability	http://www.buffalo.edu/sustainability.html

UB Regional Institute	http://regional-institute.buffalo.edu/
Urban Land Institute	http://newyork.uli.org
Urban Roots	www.urbanroots.org/
US Army Corps of Engineers-Buffalo District	http://www.lrb.usace.army.mil/
US Coast Guard-Boating Safety	http://www.wnyboatsafe.org/
Vision Niagara	http://visionniagara.org/
Voice-Buffalo	https://voicebuffalo.org/
WASH Project	http://thewashproject.org/
Wellness Institute	http://www.healthycommunitynetwork.com/
Western Chapter New York Water Environment Association	http://nywea.org/
Western New York AmeriCorps (Service Collaborative)	http://www.tscwny.org/
Western New York Earth Day	http://www.wnyearthday.org/
Western New York Environmental Alliance	http://www.growwny.org/
Western New York Family Nature Club	http://lthibault.wixsite.com/wnyfamilynatureclub
Western New York Food Hub	http://wnyfoodhub.com
Western New York Herpetological Society	http://www.wnyherpsociety.org/
Western New York Hiking Trails and resources	www.wnyhikes.com
Western New York Land Conservancy	http://www.wnylc.org/
WNY Nursery and Landscape Association (PLANT WNY)	http://www.plantwny.com/
WNY Partnership for Invasive Species Mgmt (PRISM)	www.wnyprism.org
WNY Mountain Bike Association	http://www.wnymba.org
WNY Permaculture	https://www.facebook.com/WNY-Permaculture-1098493876841295/
Western New York Science Congress	http://wnysc.org/
Western New York Service Learning Coalition	http://levesqueinstitute.niagara.edu/programs/wnyslc/

Western New York Soil Health Alliance	www.wnysoilhealth.com
WNY STEM	http://wnystem.org/
Western New York Stormwater Coalition	http://www2.erie.gov/environment/
Western New York Sustainable Business Roundtable	http://www.wnysustainablebusiness.org/
Western New York Sustainable Energy Association	https://www.facebook.com/WNYSEA
WNY Peace Center Renewable Energy Task Force	http://wnypeace.org/wp/
West Side Ministries (716 Ministries)	http://www.westsideminstries.org/
West Valley Citizen Task Force	www.westvalleyctf.org
Wild Kritters	http://www.wildkritters.com/
Wild Spirit Education	http://www.wildspirit.org/
Wind Action Group	https://buffalowind.wordpress.com/
Working for Downtown	http://www.workingfordowntown.org/
World on your Plate	http://www.worldonyourplate.org/
Youth Climate Summit	https://wnyyouthclimatesummit.org/