

Enviro -News

February,

Entrepreneurship Program for Buffalo 10th & 11th Graders: Apply Now

The next session of The Foundry's afterschool program for young adults **starts March 2nd** and ends in June. Sessions will meet on Tuesdays and Thursdays, 4:00-6:00pm. Enrollment requirements: - 10th/11th grade (with some exceptions) and currently enrolled in Buffalo public/charter schools OR qualify by living in specific zip codes. Tuesday sessions are currently scheduled as in-person sessions in our shops and labs, while most Thursdays will have in-person or online learning options and focus on the basics of business. On Wednesdays, we have Open Lab (which is optional) and students can attend in-person and practice what they're learning on our tools. We are strictly limiting the number of students enrolled in our programs to reduce safety risks. For all visits on-site, students will participate in a health screening, maintain social distance and will consistently wear masks. Apply [here](#).

Virtual Science Fair

The Western New York Regional Science and Engineering Fair (WNYRSEF) will be held virtually on **March 13-27**, 2021. Sponsored by WNY Science Congress, Inc., the event is open to students in grades 5 – 12 from five WNY counties (Erie, Niagara, Orleans, Genesee, and Wyoming). This includes students who are enrolled in public or private schools, students who are home-schooled, and those involved in organizations outside of the traditional school setting. Teachers, as well as parents and organizations, are encouraged to sponsor students. Students at the WNYRSEF demonstrate their scientific talents and compete for medals, monetary awards, and advancement to state and international fairs.

Biodegradable Air Filter Designed

A new air filter made from 90% natural and sustainable materials and 100% biodegradable filter materials, *briiv* is the

Citizen Science Project Lets You Fight Deforestation from your Couch

Looking for a hands-on way to contribute to conservation? SAS, a systems analysis company, teamed up with the International Institute for Applied Systems Analysis (IIASA) to build an artificial intelligence model that can recognize signs of deforestation and they need citizen scientists to help them do so. In order to “train” the AI to recognize signs of deforestation in satellite images, the program is using dedicated volunteers to sort through images taken from space and look for clues. Citizen scientists who want to participate simply go to [the program website](#) and scan images for signs of human activity like cars, roads, or farm plots. This helps the AI learn where deforestation is being caused by human activity. If you’re looking for a tangible way to contribute to conservation, we urge you to visit [the website](#) today and take part in meaningful citizen science!

Drones Made from Pineapple Leaf Fibers

Understanding Your Carbon Footprint: A How-to Guide for Businesses

What is your carbon footprint? It is a measure of your climate impact. Almost every activity in your day-to-day life causes greenhouse gas emissions. These emissions can be quite obvious, like when you drive a car, or less clear, like those produced to provide a financial service. This [informative resource](#) provides a guide for businesses to better understand and develop a strategy for improving their environmental impact.

Climate Watch: Biannual Community Science Bird Progpovinciencæ

and Home-Schooling Resources

[EarthX Virtual Field Trip](#)-Focusing on solutions to environmental issues presented in the EarthX free K-12 STEAM curriculum, these short 5-10-minute videos cover a wide range of topics and come complete with an overview correlated to Next Generation Science Standards as well as the TEKS. Suitable as a stand alone resource as well.

[Short Films to Save the Ocean: Climate Change & the Ocean](#)-Looking for creative ways to bring climate change into your classroom? Bow Seat Ocean Awareness Programs has compiled some of the best student films from our Ocean Awareness Contest archives. Created by youth from all over the world, these short films explore the many ways climate change affects ocean and human health.

[Ocean Acidification](#)-NOAA Data in the Classroom curriculum

[Energy Curriculum](#)-Free online education curriculum on energy.

[Circular Economy Activity](#)-Inspire students to reduce waste by applying a remake, reuse, and recycle model in creating an entirely new product from recycled materials.

[Build Your Own Electric Vehicle](#)-By building their own working model of an electric vehicle, students will learn about the electrification of transportation.

[Dyson's Experiments to teach engineering](#)- 44 experiments.

[Additional resources](#)

[YSA's Youth Service Zone grants](#) offer organizations and schools an opportunity to work collaboratively to increase the youth volunteer rates in their community. Each zone will receive a grant of \$15,000 (\$5,000 to each of three collaborative leaders) to support program activities that build partnerships and capacity in order to increase youth volunteer participation rates. Applicants may work locally (city, county, school district), regionally, or statewide, and must be based in the United States. The geographic area of each proposed Zone should include at least 100,000 residents. Deadline: **March 31.**

[Air & Waste Management Association High School Scholarships](#)- For current high school students to use in college. Deadline: **April 9.**

[Air & Waste Management Association College Scholarships](#)-For current college students. Deadline: **April 9.**

[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**.

Employment and Internship Opportunities

[Root Down Farm and CSA Greenhouse and High Tunnel Production Head and Farm Crew Members](#)-Clarence farm has

Education and Outreach Assistant

[Senior Community Development Project Manager](#)- work on creation of new affordable housing developments and management of community development programs The Senior PM will also partner with the Director of Planning and Community Development to focus on

Friday, February 5

Great Backyard Bird Count- 7PM - 8PM – Webinar Learn everything you need to know to participate in the Great Backyard Bird Count February 12-15! We'll show you how to complete an eBird checklist and talk about the history and importance

Winter Tree I.D.-

"Pub" talk on Science Topics-7:30pm online every Thursday. Different topic each session. [Register](#)

Phragmites Control Strategies: A Webinar for Land Managers-8:50am – 5:00pm. This webinar is hosted by the Long Island Invasive Species Management Area and includes presentations such as "Phragmites control and habitat restoration at Lake Marion, a freshwater lake and wetlands on the North Fork of Long Island" - Peter Meleady, Freelance Horticulturist and Ecologist, Long Island, New York and "Great Lakes Phragmites Collaborative: Regional collaboration through a common agenda" - Samantha Tank, Program Specialist for the Aquatic Invasive Species Program, Great Lakes Commission, Ann Arbor, Michigan. Visit the [event page](#) to learn more and register in advance.

Reducing the Health Impacts of the Nitrogen Problem-2:30-5:30pm, Virtual Workshop as one of series. This workshop hosted by the [Environmental Health Matters Initiative \(EHMI\)](#) will explore what actions can be taken to address the nitrogen contamination problem in agriculture. [Register Now](#). Session III.

"What landscape-

- 7 pm for a virtual Valentine's Day bike party! We'll share our community bike love, including the people, places, projects, and inspiring stories that warmed our hearts this year. GObike will celebrate our community accomplishments from the past year, and we'll kick it with food, music, and friends in the comfort of our own homes! The best part is a gift package delivered to your door by local bike delivery service [Queen City Couriers!](#)
Cost: \$25. [Register here](#)

Saturday, February 13

Winter Survival Skills Series (1 of 2): Snow Shelter Construction- Join Earth Spirit from 10:00am-12:30pm at Buffalo Ski Center, Tamarack Lodge. This program will focus on the construction of a quinzee (dug out snow mound). We will also go through the construction of a trench style shelter. Both snow shelters are important to keep you from the dangers of the cold wind and hypothermia. Come in your winter gear and be prepared for hard work and fun!! Ages 12 and up. No exceptions. *This is program #1 of a two-program series. Register for the whole Survival Skills Series for a per-program discount!* <https://earthspiritedu.org/events/>

Winter Wonderland Ski Tour!-10am to noon at [Evangola State Park](#). Cross-country skiing is a wonderful way to enjoy winter at nearby parks! Learn or improve your technique with the Buffalo Nordic Ski Club experts and NYS Parks. *For information & registration call (716) 549-1050.*

Buffalo Harbor Birding-10am to 11am at [Buffalo Harbor State Park](#). Celebrate winter birds as we walk along the promenade and look for waterfowl, gulls and snowy owls! *For information & registration call (716) 549-1050.*

Family Nature Quest: Winter Wildlife-10:30am. Join us for a guided morning walk along the trails as we look for signs of wildlife. Pre-registration required; call 716-683-5959.

Birding at Niagara-10 to 11am at [Niagara Falls State Park](#). Educators will be at the bottom of the Cave of the Winds elevator to guide your exploration of the winter birds that call this river home. *For information call (716) 282-5154*

Remarkable Reptiles- 2:00-3:30. Buffalo Zoo. Did you know that turtles can breathe through their butts? Or that anacondas can go months without eating? Learn all this and more in this workshop all about our scaly friends. Register at <https://buffalozoo.org/single-experience/wild-workshops/>

3RD Annual Birds on the Niagara International Bird Festival- 3 days, multiple events, No Registration Required. All Programs Free and Open to the Public. [Speakers](#) You Will Be Able To Attend All Festival Programming On This Website and on [Facebook](#). **2:00 P.M. - 3:00 PM, Program Title: Virtual Winter Backyard Birds, Presented by [Tifft Nature Preserve](#); 3:00 PM - 4:00 PM, Program Title: The Niagara**

Virtual Broderick Park Public Art Town Hall-6pm with Mayor Brown. [Link info.](#)

Wednesday, February 17

Missouri Prairie Foundation Webinar- 4pm CST. Free. Register at [Grow Native! Webinar: Native Predatory Wasps, with Heather Holm](#). Zoom link will be emailed to you the week of the event. Recordings of the programming will be sent to all registrants, the free webinars will be posted publicly at the MPF [YouTube Channel](#).

Becoming an Outdoors Woman Workshops: Knowing Knots-6:30pm. Virtual. [Register for the workshop now.](#)

Planning for Bird-Friendly Cities That Put Nature First-4:00 - 5:00 p.m. EST. From his new book *The Bird-Friendly City*, Timothy Beatley, PhD presents new ideas around how cities can reduce dangers to birds and design buildings and urban neighborhoods that make room for biodiversity. Join Audubon to learn about bird conservation efforts worldwide, from swifts in London to Burrowing Owls in Phoenix. Beatley places urban bird conservation efforts in the larger context of the global movement towards “Biophilic Cities,” cities that put nature at the center of their design and planning and that recognize the innate need for human connection with other species and the natural world. [Register](#) for link.

Thursday, February 18

Learn to Cross-Country Ski-10am at Reinstein Woods. Learn the basics of cross-country skiing before going on a short, guided ski tour. \$15.00/person; Friends members = \$10.00. Pre-registration required; [Register Here](#)

Annual Spring Bloom Classes with Cornell Cooperative- 6:30 to 8pm. Classes also on Feb. 18 and Feb 27. Fees are \$15/class. Check the website for which date each topic will be presented and registration info. Growing Fruits and Vegetables in the Home Garden with Esther Kibbe and Paul Kranz. <http://erie.cce.cornell.edu/events>.

"Pub" talk on Science Topics-7:30pm online every Thursday. Different topic each session. [Register](#)

Reducing the Health Impacts of the Nitrogen Problem-2:30-5:30pm, Virtual Workshop as one of series. This workshop hosted by the [Environmental Health Matters Initiative \(EHMI\)](#) will explore what actions can be taken to address the nitrogen contamination problem in agriculture. [Register Now](#). Session IV. ["What policies and markets could be created to address the nitrogen problem?"](#)

Becoming an Outdoors Woman Workshops: Winter Wellness-6:30pm. Virtual. [Register for the workshop now.](#)

Succulent Garden Workshop-6:30-7:30 p.m. on three dates by the Buffalo and Erie County Botanical Gardens. The dates are Thursday, Jan. 28, Feb. 18 and April 15. Design a unique succulent container garden while learning more about these exciting low-maintenance plants. Learn how succulents grow and how to propagate them while adding some creative touches to your garden. Containers, soil, plants and supplies are included. Fast, easy and safe pickup for materials will occur from 4:30-5:30 p.m. the day of class. The class will be offered via Zoom Meeting, a free online audio-visual platform. All adult classes and workshops are recorded and are available for one week after the class. Therefore, if you miss the class, you will have one week to catch up on the class at your convenience. Review our class information and procedures for more information. The cost is \$35 for the public and \$31.50 for members. [Register here.](#)

Strategies for System Change and Tackling Wicked Sustainability Challenges-1:15 to 2:45pm webinar. Solving today’s wicked sustainability challenges requires system change. The bulk of the webinar will present case studies that illustrate several of these tools, discuss the challenges and opportunities of being a systems change agent, and identify resources professionals can use to build their capacities as change agents. [Register.](#)

Saturday, February 20

Winter Survival Skills Series (2 of 2): Fire Building- Join Earth Spirit from 10:00am-12:30pm at Buffalo Ski Center, Tamarack Lodge. Keeping warm is paramount to surviving outdoors. Moisture, snow and wind really complicate this aspect of basic survival. This session will focus on natural tinder sources that can be found around us, where and how to gather kindling that will burn effectively, and the basics of fire pit set up in snowy conditions. Individuals will work in teams to collect fire building components and practice the art of no-match fire building. Come in your winter gear and be prepared for hard work and fun!! Ages 12 and up. No exceptions. *This is program #1 of a two-program series. Register for the whole Survival Skills Series for a per-program discount!* <https://earthspiritedu.org/events/>

Frozen Swamp Walk-10:00 a.m. – 12:00 p.m. Evangola State Park. Venture out for a unique chance to explore a forested swamp frozen in time. ***For information & registration call (716) 549-1050.***

Birding 101-10am. Learn how to bird during wintertime by searching for them at Reinstein Woods. Bring binoculars if you have them. Pre-registration required; call 716-683-5959.

Virtual Gardening Class: Veggie Gardening, Timing, and Tips with Rachel Gottlieb - 2pm. Sponsored by Grassroots Gardens and Urban Roots. Space is limited and registration necessary at <https://www.facebook.com/events/386195709309011/>. While the workshops are free to all, this year we are suggesting a \$5 donation to our partners at the Northeast Farmers of Color Land Trust with the goal of supporting their efforts towards equity in local food systems. You can donate at <https://nefoclandtrust.org/reciprocity>

Online Horticulture Classes - 11am-1pm, General Public - \$25 per class or \$125 per series, Members - \$22.50 per class or \$112.50 per series. Join us on Zoom for an entertaining garden education with David Clark, Horticulturist & CNLP. David is fast becoming one of the country's noted garden speakers! These classes are great for beginners or gardeners and landscapers wishing to brush up on their skills. An optional supply list will be posted online for those who wish to supplement their instruction with hands-on materials. In order to maintain the safest environment possible, classes will be offered via Zoom Meeting, a free online aa8()ine

Tuesday, February 23

Winter 2021 Virtual IMAGINE Series- 12:30 to 1pm. Speaker Schedule at [winter-2021-schedule/](#). Web link for all IMAGINE programs. <https://us02web.zoom.us/j/85839766406>, most Tuesdays.

"Sustainable Municipalities: Reinventing Greenspaces- 12:00-1:00 p.m. EST. This weekly series of five webinars is sponsored by the [Sustainable States Network](#) and other partners and hosted by the Hixon Center for Urban Ecology at Yale University. Each session will begin with an introduction by Yale faculty followed by

PART 1: Take Action Against Hemlock Woolly Adelgid 3 to 4:30pm. Join the Adirondack Park Invasive Plant Program and expert researchers from the [New York State Hemlock Initiative](#) to learn all about this damaging invasive insect, understand how to identify HWA in the field, and gain the skills you need to take action to protect local forests. [Register here](#). The best way to aid Hemlock forests against the negative impacts of HWA, is to find it early before infestations grow out of control. [Part 2 of this Citizen Science Training to be held on Wednesday, March 3rd from 10:00 to 11:00 am, participants have the option to join live via Zoom or watch recorded webinars to custom fit scheduling needs.](#) In order to maximize this short training, APIPP [highly recommends signing up for a free iMapInvasives Account](#) prior to the workshop. [Self guided iMap Trainings](#) are available to walk you through the process if you want to get started using these fun maps early!

Reducing the Health Impacts of the Nitrogen Problem-2:30-5:30pm, Virtual Workshop as one of series. This workshop hosted by the [Environmental Health Matters Initiative \(EHMI\)](#) will explore what actions can be taken to address the nitrogen contamination problem in agriculture. [Register Now](#). Session V. ["Reflection and Synthesis."](#)

Becoming an Outdoors Woman Workshops: Ice Fishing-6:30pm. Virtual. [Register for the workshop now](#).

Keep America Beautiful: Zero Waste Communities-2:00 p.m. EST webinar, [Register](#). Cities and towns across the United States have developed and launched comprehensive plans with clear timetables in their drive toward waste-free communities. They are now taking action to achieve these ambitious goals. These actions are also proving key to making our urban centers cleaner, healthier, and more resilient. In this webinar, you'll be learning how these municipalities are: Defining zero waste; Creating an inclusive process for building a city-wide consensus; Identifying key elements of a zero-

Annual Spring Bloom Classes with Cornell Cooperative- 10 to 11:30am. Fees are \$15/class. Check the website for which date each topic will be presented and registration info. Meatballs, Volcanos, and Other Garden Malpractices with Peggy Koppmann. <http://erie.cce.cornell.edu/events>

Online Horticulture Classes - 11am-1pm, General Public - \$25 per class or \$125 per series, Members - \$22.50 per class or \$112.50 per series. Join us on Zoom for an entertaining garden education with David Clark,

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

B-WELL Videos-<https://cityofbuffalo.viebit.com/index.php?folder=Be+Well+Buffalo>

Additional local blogs and websites-

Birds on the Niagara-

Gregs U-Pick- <http://gregsupick.com/>
Groundwork Market Garden- <http://www.groundworkmg.com>
Healthy Living Farm- <https://www.healthylivingfarm.com>
Kindred Kreek Farms- <https://www.kindredkreek.com/>
Little Bear Farm- <http://www.littlebearfarm.harvesthand.com/>
Little Woods Farm-<https://www.littlewoodsfarmalden.com/>
McCollum Orchards- <http://mccollumorchards.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-

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 -

On Demand Webinars:

[Extended Producer Responsibility](#) (other videos on same youtube channel).

[Plan-It GEO](#)

<https://www.ceres.org/events/ceres-climate-week-nyc-2020->

Animal Advocates of Western New York

<https://animalswny.org/>

Aquarium of Niagara

www.aquariumofniagara.org

Asha Sanctuary for Rescued Farm Animals

Food Policy Council of Buffalo & Erie County

<http://www2.erie.gov/fpc/>

Foundry

<http://thefoundrybuffalo.org/>

Friends

New York Interfaith Power and Light	www.newyorkipl.org/
New York League of Conservation Voters	http://www.nylev.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	https://nysacc.org/
New York State Ornithological Association	http://nybirds.org/index.html
New York State Outdoor Education Association	http://nysoea.org/
New York State Parks	https://parks.ny.gov/
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 Upstate Chapter, Landscape Architects	https://www.nyuasla.org/
New York State Wetlands Forum	http://www.wetlandsforum.org/index.html
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	Niagara Frontier Botanical Society
Niagara Outfitters	https://niagaraoutfitters.com/

Northeast Organic Farming Association of New York

<http://nofany.org>

Oakmossed Education

<http://oakmossed.com>

One Region Forward

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/

Western New York Stormwater Coalition

<http://www2.erie.gov/environment/>

Western New York Sustainable Business Roundtable

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