



GreenUP Ecology Park PROGRAM GUIDE FOR ELEMENTARY GRADES

Welcome to GreenUP Ecology Park! This is a unique place in the heart of Peterborough, where people of all ages discover a lasting friendship with the natural world. It is an outdoor centre for researching and celebrating ways of caring for the places where we live, work, and play.

Our dynamic, hands-on education programs focus on Ontario curriculum and bring children's curiosity and wonder to life!



OUR PHILOSOPHY

GreenUP Ecology Park is a non-profit centre for learning and sharing a new environmental vision for our communities. Our educational programs aim to bring natural processes, mindfulness and respectful actions into our daily lives, and to teach the skills we need to live sustainably. Themes such as food, habitat, life cycles, seasons, and biodiversity are woven throughout the activities and unique spaces in GreenUP Ecology Park.

We promote an understanding of the Peterborough bioregion. Plants and animals native to our area play a starring role in our activities, as we explore systems that link their lives with our own.

Cost per student:	\$10.00 (subsidized)
Programming Length:	2 hours
Class Sessions:	9:30 – 11:30 am; 12:30 – 2:30 pm
Season:	May, June, September, October

Classroom visits during winter months are available upon request



SCHEDULING YOUR CLASS VISIT

STEP 1: Choose Your Program!

Please select ONE program option from the list below. We have suggested targeted grades to meet Ontario curriculum deliverables, however we can provide alternative programs to meet student's interests and area of study from Kindergarten through Grade 8.

- POLLEN POWER | Grades: K - 4**
Explore pollinators and plants! This exciting, bee-positive program highlights our local and global dependency on pollinators. Students will practice environmental stewardship and sustainability as they learn what we can do to care for our pollinators through interactive, hands-on exploration and inquiry. **What to expect:** Honeybee hive visit, demo hive exploration, and honey tasting!

- ARE EUSOCIAL? | Grades: K - 7**
Learn about the wondrous life of eusocial insects such as honeybees and ants. How do they communicate? What is the role of the Queen? Students will get low and observe these critters up close! **What to expect:** learn to use an aspirator! Field collection, life cycles, and eusocial gameplay.

- THE GREAT WATER MIGRATION | Grades: 2- 5**
Water is essential for life on our planet. What can we do to keep our water swimmable, liveable, fishable, and drinkable? We will explore water filtration systems, watersheds, and aquatic habitats. **What to expect:** water games and stream study!

- SOIL, EROSION, AND COMPOST | Grades: K – 4**
Celebrate Soils! We will learn about the particles that make up soil, the critters that call soil their home, and the superhero of soil-compost! Together we will explore erosion through hands-on games and demonstrations, examine soil samples under the microscope, and get our hands dirty! **What to expect:** compost puppet show, soil critter search, and composting demo

- SEASONAL CHANGES | Grades: K, 1, 2, 4**
How do our changing seasons affect the critters that live around us? Join us as we shine the spotlight on local animals and their habitats and learn how the seasons affect their needs and behaviour. The program changes with each season. **What to expect:** Birdcalls and identification, squirrel nest building, etc.

- PLANTS, TREES, AND SEEDS | Grades: 1, 3, 4**
It is amazing how one tiny seed can grow into a strong tree or a blossoming plant. Unlock the magic of seeds, plants, and trees with hands-on exploration, scavenger hunts, and games. **What to expect:** seed collecting, planting, and leaf identification

- LIFECYCLES | Grades: K, 1, 2**
Stages and changes are everywhere in nature. Come and explore the seasonal patterns and biological life cycles of creatures from butterflies to bullfrogs and broccoli to birch trees. **What to expect:** stream study, insect cycles, and collection

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INSECTS | Grades: 1, 2, 3, 4
 Join us for a closer look at the lives of incredible invertebrates to find out where they like to live, special features they have for survival, and why they're so important to our world. We'll pull out the magnifying glasses, turn over some leaves, and learn about how little bugs have big impacts. **What to expect:** stream study, soil critter search, butterfly netting, and more!

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WILDLIFE IN OUR CITY | Grades: K, 1, 2, 4, 6
 Among the busy streets and neighbourhoods of our city there is a network of life all around us that we have to look a little closer to see! Discover the diversity of wildlife as we follow the trails and clues left by urban inhabitants. Participate in interactive games and activities; keenly observe life as an animal and the habitats in our own backyards! **What to expect:** skulls, scat, and tracking

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INVADER RAIDERS | Grades: 3, 4, 6
 Learn to identify and manage invaders that threaten our native plant biodiversity. Students will engage in citizen science and land stewardship while discovering creative uses for these local invaders. **What to expect:** cutting down buckthorn, pulling out dog-strangling vine

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ECOSYSTEMS | Grades: K- 8
 Ecosystems are at work all around us, uniting all living and nonliving elements. We will discover and look at the role people play as part of the ecosystem through explorations and hands-on activities. **What to expect:** Habitat hunts and stream study

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FOOD | Grades: K, 1, 3
 From the ground up! Utilizing the Food Forest and food gardens at GreenUP Ecology Park, we will roll up our sleeves, pick up the shovel and explore what it takes to turn a seed into a salad. Children will participate in activities such as planting, watering, harvesting, and seed saving as they relate to seasonal changes. **What to expect:** Hands-on planting, harvesting, and tasting from the garden

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POWER & ALTERNATIVE ENERGY | Grades: 2, 4, 5, 7
 The future is bright if we look at alternatives to fossil fuels. In this hands-on program, students will examine the power of wind, water, and sun and experiment with using the sun and earth as an energy source. Can we cook food using the sun's energy? What are renewable and non-renewable forms of energy? Let's watch the windmill turn as we examine our role as stewards of the planet! **What to expect:** Build solar Lego and play with renewable energy circuits.



GreenUP Ecology Park water and energy education programs are generously funded by Peterborough Utilities Group.





STEP 2: Pick a Date!

GreenUP Ecology Park schedules school programs on Tuesdays and Wednesdays during the months of May, June, September, and October (alternative weekdays can be arranged upon request).

Be sure to provide TWO alternative dates in case the time slot is already reserved, or if there is inclement weather.

Please arrange transportation to arrive at your school and to pick up at the park, at least 15 minutes before and after scheduled teaching time, to ensure quality instruction of our programs.

STEP 3: How to Pay!

GreenUP is a registered, non-profit, charitable organization. School programs at GreenUP Ecology Park are subsidized through generous donations of individuals, foundations, grants, and sales from the GreenUP Ecology Park native tree nursery.

Special thanks to the City of Peterborough and Peterborough Utilities Group for their long standing contribution to our environmental education programs. The subsidized rate for this year is \$10 \ student.

CHOOSE A PROGRAM

\$10 per student + transportation costs

Program Options - see Step 1 for offered programs

Morning or afternoon times - see Step 2 for offered dates and times

STEP 4: You Are Ready to Book!

To register for GreenUP Ecology Park programs, please print and complete the Program Registration Form on the following page, scan and email to the GreenUP Education Coordinator, Danica Jarvis at danica.jarvis@greenup.on.ca or fax to the GreenUP office at 705.745.4413

Have questions?

Please email our Environmental Education Coordinator Danica Jarvis at: danica.jarvis@greenup.on.ca, or leave a message at 705.745.3238 ext 216

For GreenUP Ecology Park inquiries, contact Park Manager, Marcy Adzich at: marcy.adzich@greenup.on.ca , 705.745.3238 ext 212



STUDENTS WITH EXCEPTIONALITIES

Please select this option if you have students who may need alternative engagement activities and \ or if you have a student that attends with an Educational Assistant. Our Education Program Coordinator will contact you to gather more information.



GreenUP Ecology Park PROGRAM REGISTRATION FORM

Please print and complete this form in full to register for GreenUP Ecology Park programs

Teacher Name: _____ School: _____

STEP 1: Choose Your Program!

 Please select ONE program option from the list below.

POLLEN POWER
Grades: K - 4

ARE EUSOCIAL?
Grades: K - 7

THE GREAT WATER MIGRATION
Grades: 2 - 5

SOIL, EROSION, AND COMPOST
Grades: K - 4

SEASONAL CHANGES
Grades: K, 1, 2, 4

PLANTS, TREES, AND SEEDS
Grades: 1, 3, 4

LIFECYCLES
Grades: K, 1, 2

INSECTS
Grades: 1 - 4

WILDLIFE IN OUR CITY
Grades: K, 1, 2, 4, 6

INVADER RAIDERS
Grades: 3, 4, 6

ECOSYSTEMS
Grades: K - 8

FOOD
Grades: K, 1, 3

POWER & ALTERNATIVE ENERGY
Grades: 2, 4, 5, 7



STUDENT(S) WITH EXCEPTIONALITIES

STEP 2: Pick a Date!

Date (1st choice): _____

Alternative Date #1: _____

Alternative Date #2: _____

Available Scheduling Times:

Morning Program
9:30am - 11:30pm

Afternoon Program
12:30 pm – 2:30 pm

STEP 3: How to Pay!

 Please choose - payment must be made prior to visit or upon arrival

\$10 / student x _____ students = \$ _____

STEP 4: You are ready to book!

Please scan completed form and email as an attachemnt to Danica Jarvis, danica.jarvis@greenup.on.ca or fax to GreenUP office at **705.745.4413**