

OSEE PD DAY 2017

Interactive Conference: Saturday May 27th, 2017
Camp Kawartha Environment Centre, Peterborough

BUILD SKILLS, ENGAGEMENT & MOMENTUM



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OSEE PD DAY 2017

BUILD SKILLS, ENGAGEMENT & MOMENTUM

Learn new strategies, skills, and activities for integrating environmental education into your teaching practice

Join us at the OSEE PD Day Conference for a chance to:

- Participate in hands-on workshops by educators, for educators
- Learn new skills to engage youth in learning for, about, and in the environment
- Try classroom-ready activities and resources to teach various subjects through an environmental sustainability lens
- Network and brainstorm with fellow educators

We welcome:

- All classroom teachers (K-12) interested in integrating more environmental education into their teaching practice
- Outdoor and environmental educators
- Early childhood educators, administrators, and homeschoolers

Space is limited – Reserve now to secure your spot!

PD day fee of \$80 (Regular) or \$60 (Student / Retiree) includes workshops, refreshments, lunch, and OSEE membership for 2017-2018. Online registration is open at www.osee.ca.

The OSEE PD Day takes place...

Saturday May 27, 2017 9:00 AM – 5:00 PM at Camp Kawartha Environment Centre, 2505 Pioneer Road, Peterborough, Ontario.

The OSEE PD Day is organised by the Ontario Society for Environmental Education (OSEE). OSEE is the subject association recognized by the Ministry of Education and the Ontario Teachers' Federation (OTF) for all educators interested in the integration of environmental topics into curriculum.

The OSEE PD Day is being offered in partnership with **Camp Kawartha Environment Centre and Trent Nature Sanctuary**. Thank you to these organizations for generously providing a venue for this conference.

Photos courtesy of Dalila Seckar and OSEE members



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9:40 – 10:40 AM

Activities for the Anthropocene

Intermediate - Senior

Indoors

Scientists are now referring to our current geological age as “The Anthropocene” to emphasize the impact that humans have had on the land, seas, climate and wildlife over the past 200 years. In fact, as our species’ population has grown from barely a billion to over 7 billion since the Industrial Revolution, human settlements and natural resource use have changed the planet’s physical geography and ecosystems. Teaching about the Anthropocene integrates life sciences with world history and geography, making for interdisciplinary lessons rich in content, real-world data and problem-solving challenges. In this hands-on session, discover classroom activities and interactive online resources to help students explore different aspects of the Anthropocene including human population growth, climate change, changes in biodiversity and land use. The presented activities build knowledge and skills in life and social sciences, while applying learning to authentic problems. Activity formats include data analysis and interpretation, modeling and group problem-solving. The presenter will also engage the group with new online, interactive media that combines social science platforms (mapping and historical timelines) with environmental themes.

Chris Clovis
Population Connection

Feeding the Future : Growing School Gardens & Seed Libraries

Primary - Junior - Intermediate - Senior - General Interest

Outdoors

Growing, saving and sharing seeds is critical to the regeneration of our ecosystems, biological and cultural diversity, as well as promoting holistic health, food security and sovereignty. Learn from a passionate and inspired People’s Gardener about the growing agricultural revolution happening in school yards and backyards across the world. Glean insights into starting, growing and sustaining your community food growing initiative in your school and other living spaces. Learn the basics of seed starting, seed saving and seed sharing through school gardens and seed libraries and how to define and ensure a successful long term project. Bring your seeds, questions and experiences to share as we grow and learn together in SOILdarity.

Jacob Kearey-Moreland
Toronto Seed Library / The Seed Library Commons

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10:50 – 11:50 AM

Deal with it – Ontario

Motivating Waste Reduction

Junior - Intermediate - Senior - General Interest

Primary - Junior

Outdoors

Indoors and Outdoors

Play games and learn the difference between perceived and actual risk. There are things you need to know when going out and this is the best way to learn. Best for grades 4 to secondary. Good for new Canadians to learn what can happen when you go outside.

Students usually know they 'should' reduce, reuse and recycle, but rarely understand how 3R's practices can reduce our impact on natural ecosystems. This workshop will provide hands-on activities that help young students understand where common products come from, and how their manufacture impacts the environment. Workshop participants will have an opportunity to test out various activities that promote critical thinking and group discussion, and ultimately empower students to make environmentally responsible choices to reduce waste at home and school.

Bonnie Anderson
Peel District School Board

Katya Seckar
Ontario Society for Environmental Education

12:50 – 1:50 PM

Pathway to Stewardship

Trees & Citizen Science

General Interest

Primary - Junior - Intermediate - Senior - General Interest

Indoors and Outdoors

Outdoors

How do we raise engaged environmental stewards in our community? Who is responsible for this? In this interactive workshop, we'll share the findings of a unique approach to environmental education being developed in Peterborough, Ontario called "The Pathway to Stewardship." This is a community-based strategy that provides a guide and a road-map towards stewardship based on every stage of a child's development. Using a series of benchmarks, or goals for each age group (29 benchmarks in total), this strategy outlines key experiences that every child should have in order to become engaged stewards of their environment. It provides a framework for educators, parents, administrators and stakeholders to collectively foster tomorrow's environmental stewards. We are hoping to receive input/feedback and suggestions from the collective wisdom of OSEE educators. This approach is being published in the World Watch's State of the World Book being released in 2017 called EarthEd: Rethinking Education on a Changing Planet.

Learn how to introduce your students to topics of climate change, math, and science through planting, measuring and/or reporting data on trees in your schoolyard or community. We'll create a quick DIY device for measuring the "diameter at breast height" of a tree. Then we'll go on a hike through the woods to share our collective tree ID tips and tricks and to measure a tree. We will also discuss how you can get your students involved in ACER's Citizen Science training program where they will be able to earn Mozilla Open Badges for activities such as identifying trees and reporting growth and health data. The training platform is based on Participatory Action Research (PAR) in which citizen scientists are concurrently acquiring knowledge, participating in hands-on stewardship, and conducting research. The program is being funded by the Ontario Trillium Foundation and is set to launch in the spring of 2017.

Jacob Rodenburg
Camp Kawartha

Mike McMillan
ACER

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2:00 – 3:00 PM

Pollinator Power: How To Bring Pollinators To Your Schoolyard

Primary - Junior - Intermediate - Senior - General Interest

Indoors

Do bees get you buzzing? Are birds your besties? Do you get butterflies thinking about...butterflies? Join us in this informative and fun hands-on session, where we will investigate the important role of pollinators and look at factors that threaten their populations. We will discuss citizen science activities that connect your students with real scientific monitoring projects, and learn how to create a pollinator habitat to support biodiversity. Participants will also have a chance to explore citizen science apps on digital devices, build their own simple bee condo and make milkweed seed balls.

Vicky An & Rachel Stewart
Toronto Region Conservation Authority

3:10 – 4:50 PM

Discovering Nature In Spring

Primary - Junior - Intermediate

Indoors and Outdoors

A short PowerPoint presentation will provide an overview of the sounds and sights of spring in the Kawarthas. This will be followed by a few indoor activities such as a classroom bird or frog chorus. Next, we will head outside for more fun activities related to the signs of spring we come across on our walk through several habitat types. We will emphasize using the five senses and how to open children's eyes to the wonder of evolution. Many of the activities will be taken from our "Big Book of Nature Activities" which was published in June, 2016.

Drew Monkman & Jacob Rodenburg

*This is a 1:40 session

Teaching First Nations Awareness

Primary - Junior - Intermediate - Senior - General Interest

Outdoors

This workshop will include a brief historic overview of the Kawartha Lakes region. We will then focus on the treaty process in general through a simple experiential game. I will then present a brief slide show of "The Adventure in Understanding" a program that brings First Nations and non First Nations youth together through canoeing. We will explore hands on traditional skills including; games, songs, Inuit oil lamp lighting, bow and drill skills, and simple wigwam building techniques. We will also explore the issue of appropriation and stereotypes and how to avoid them.

Glen Caradus
Camp Kawartha

*This is a 1:40 session

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Conference Location

The OSEE PD Day Interactive Conference is located at Camp Kawartha Environment Centre, 2505 Pioneer Road, Peterborough.

The Camp Kawartha Environment Centre is located in the north end of Peterborough, east of Water Street, on the east bank of Trent University, near the intersection of Nassau Mills Road and Pioneer Road.

GPS Coordinates:

Latitude: 44.353353

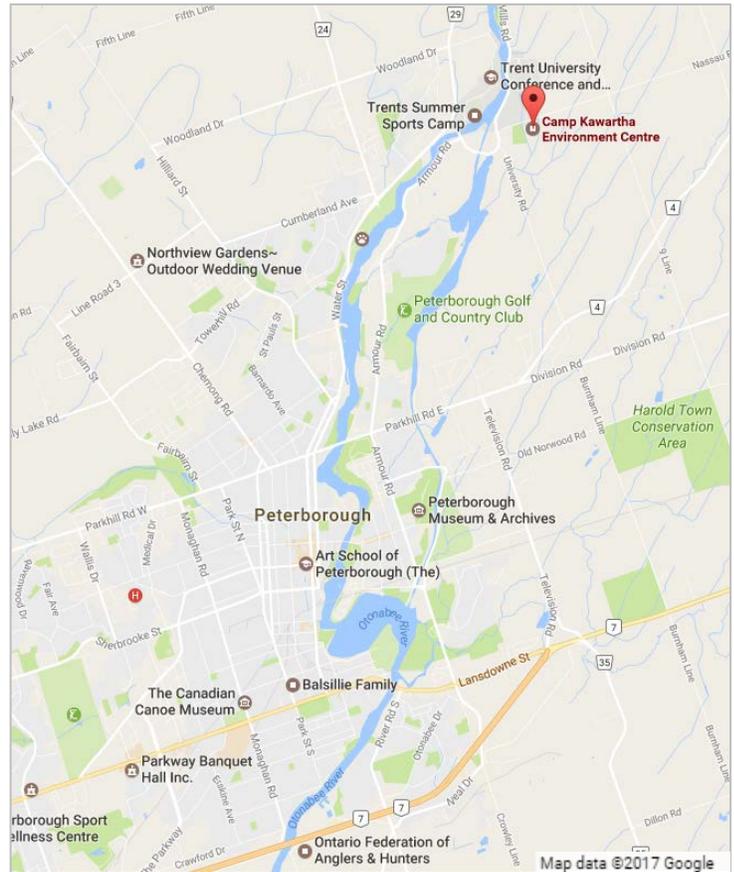
Longitude: -78.285479

PUBLIC TRANSPORTATION

You can arrive at the Environment Centre by taking the GO Train to Oshawa and the GO Bus to Trent University. (Ask the bus driver to let you off at the intersection of Pioneer Rd. and East Bank Rd, then walk just 100 m further west on East Bank Rd.)

CARPOOL

We are happy to help organize carpools to the conference to improve access and minimize environmental impact. If you are looking for a ride OR have a ride to offer, please take a moment to complete the [Carpool Form for OSEE PD Day](#) at www.osee.ca. Your personal information will be kept confidential.



Accommodations

Trent University is only a short walk from the Environment Centre and offers single rooms for \$37.25 to \$60 a night.

For more information, see www.osee.ca or contact Trent's Guest Services at 1-866-290-6491 or conferences@trentu.ca

Peterborough also has a number of hotels, as well as bed and breakfasts – See www.osee.ca for more details.

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CONFERENCE SCHEDULE

Time	Program	Indoor	Outdoor (Picnic Shelter)
9:00 – 9:30	<i>Arrival & Registration - - - Refreshments & Exhibitors</i>		
9:30 - 9:40	<i>Conference Welcome</i>		
9:40 – 10:40	Session 1	Activities for the Anthropocene Chris Clovis Population Connection I-S Indoors	Feeding the Future : Growing School Gardens & Seed Libraries Jacob Kearey-Moreland Toronto Seed Library / The Seed Library Commons P-J-I-S-General Interest Outdoors
10:40 – 10:50	<i>Coffee Break</i>		
10:50 – 11:50	Session 2	Motivating Waste Reduction Katya Seckar Ontario Society for Environmental Education P-J-General Interest Indoors	Deal with it - Ontario Bonnie Anderson Peel District School Board J-I-S-General Interest Outdoors
11:50– 12:50	<i>Lunch & Idea Sharing Session</i>		
12:50 – 1:50	Session 3	Pathway to Stewardship Jacob Rodenburg Camp Kawartha General Interest Indoors & Outdoors	Trees & Citizen Science Mike McMillan ACER P-J-I-S-General Interest Outdoors
1:50 – 2:00	<i>Coffee Break</i>		
2:00 – 3:00	Session 4	Pollinator Power: How To Bring Pollinators To Your Schoolyard Vicky An & Rachel Stewart Toronto Region Conservation Authority P-J-I-S-General Interest Indoors	
3:00 – 3:10	<i>Coffee Break</i>		
3:10 – 4:50	Session 5	Discovering Nature In Spring Drew Monkman & Jacob Rodenburg P-J-I Indoors & Outdoors	Teaching First Nations Awareness Glen Caradus Camp Kawartha P-J-I-S-General Interest Indoors & Outdoors
4:50 – 5:00	<i>Conference Closing & Prize Draw</i>		