

Kortright Centre for Conservation (KCC) has designed comprehensive programs that complement the secondary level curriculum:

KCC Leadership Program

Low Ropes and Team Building

Full Day, All Year*

The low ropes and team building activities at Kortright allow participants to develop group skills such as teamwork, sharing ideas, communication, trust, problem solving, patience and leadership. Ideal for Grade 9 Welcome Day, student councils and other student and staff groups.

*The program may be modified during the winter months

Science

Archetype Sustainable House Tour

- Two-hours, All Year
(Flat rate of \$250, groups size 16-30, will receive two instructors)

Students will tour two LEED Platinum certified houses which each demonstrate a host of sustainable and renewable technologies that are available now, and in the near future. Discussions center around energy and water conservation, healthy indoor air quality, wise choice of resources, and how to be more sustainable in everyday living. Students will be introduced to geothermal heat, solar flat plate water heating, solar evacuated tube water heating, modular roofing, Icestone and Paperstone countertops, and many other state of the art technologies.

Diversity of Living Things - April to October

Understanding the importance of biodiversity is critical if we hope to maintain a healthy environment. Through tasks and activities, students learn about the importance of biodiversity and threats to it.



Climate Change

- Full Day, All Year

While on the climate change trail, students will focus on cause and effect of greenhouse gases, changing weather patterns, the influence of carbon and nitrogen in the atmosphere and nature's ability to recycle itself. They will then learn what they can do to have an immediate and measurable impact on climate change by visiting the two new LEED gold and platinum archetype sustainable houses at Kortright.



Biological Communities of Aquatic Systems

- Half or Full Day, April to October

Through active participation in sampling and inventory techniques, students will conduct a comparative analysis of the biological communities of two aquatic environments—marsh and stream. Optional full day includes a more indepth analysis at each location.

Conservation of Energy - All Year

Take a trip around Kortright's "Power Trip Trail" and see the largest demonstration of renewable energy in Canada. Students will see a variety of wind, wood, solar heating and photovoltaic systems including a solar shingle exhibit. Practical applications and their day to day use will be discussed.

Ecological Footprint - All Year

This issues oriented program examines the concept of ecological footprint in detail. Students assess their own footprint and consider ways to reduce their resource use. A tour of our natural waste water treatment facility shows them innovative examples of water and energy conservation.



Sustainable Ecosystems - April to November, Full Day

The dynamics and balance of an ecosystem are demonstrated using the Living Machine, a man-made biological waste water treatment facility that recycles

Kortright's water. Students will visit and compare the sustainability of the Living Machine to that of a natural wetland ecosystem.

Habitat Analysis - April to Mid-November

Evaluate the sustainability of natural communities by using instruments to measure the abiotic elements in several habitats. Analyse how these factors influence the relationships between organisms in the natural environment. Discuss the limiting factors that influence biotic populations and their distribution.

Geography

GPS Mapping and Geocaching - Full Day, All Year

In this exciting new program, students will spend the morning getting familiar with GPS units and topographical maps by doing a series of practice exercises. In the afternoon, they will apply their knowledge by following coordinates to search for geocaches hidden on the Kortright property.

Living Sustainably - Full Day, All Year

Kortright/Earth Rangers joint program

Students will have the opportunity to tour both the residential Kortright Archetype Sustainable house and the commercial Earth Rangers building, located on the property. These are LEED gold and platinum rated buildings which demonstrate many examples of sustainable and renewable energy technologies. Discussion centers around the impact of personal life style choices and actions that can be taken to make their world more sustainable.

River Systems

- Late April to October

Examine the physical features of a valley and the profile of a stream bed. Discuss the dynamics of the river within the context of a larger watershed system. Wear hip waders to measure river flows.



General Interest

We suggest the following programs for all students, environmental clubs, ESL students and special needs classes seeking an enjoyable introduction to nature and Canadian landscapes.

Backpacking - Half or Full Day, All Year

Explore nature along our scenic, easy-walking trails. As a group activity, build a campfire and then gather around to participate in a traditional marshmallow roast.



Maple Syrup - Spring

Experience a traditional Canadian spring-time activity. Along our sugar bush trail, observe past and present methods of syrup production. Taste sap and try our delicious syrup. Learn the terminology associated with syrup-making processes.

Nature Walk - All Year

Introduce students to nature on a general-interest hike or specify a theme and we can customize this program to suit your needs.

Price per student* (includes GST)

Half-day programs	\$7.25
Full-day programs	\$13.50
Maple Syrup—two hour	\$8.00
Maple Syrup—one hour	\$6.50
Climate Change/Living Sustainably	\$15.00
Low Ropes and Team Building	\$15.00

Material fee, Price per class* (includes GST)

Weather Dynamics	\$10.00
Habitat Analysis	\$10.00
GPS/Geocaching	\$15.00

*Prices are valid from Sept. 2009 to June 2010.

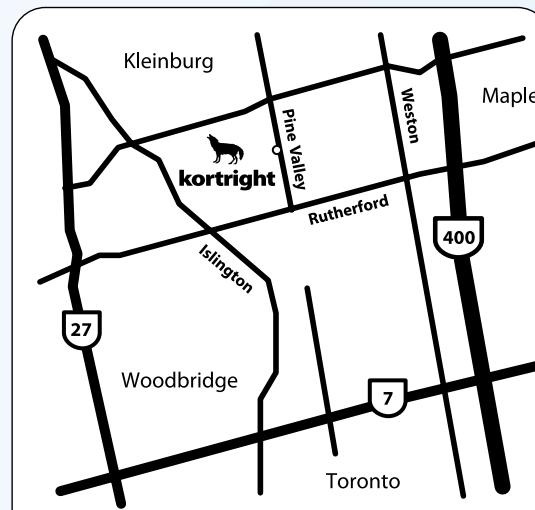
Booking information

Most programs are one and a half to two hours in length (half-day) and may be taken between 9:00 a.m. and 12 noon, or between 12:30 p.m. and 3 p.m. **Times may be adjusted slightly to accommodate travelling arrangements.**

Programs always have an outdoor component and will take place regardless of the weather. Groups should dress appropriately.

Call 416-667- 6295 and select option three, Monday to Friday, 8:30 a.m. – 4:30 p.m.

For more detailed information on these programs, please visit www.trca-education.ca



The Kortright Centre is located at 9550 Pine Valley Drive, Woodbridge. From Highway 400, exit at Rutherford Road. Travel west for two kilometres to Pine Valley Drive. Follow the Kortright signs.

TORONTO AND REGION
Conservation
for The Living City

Owned and operated by:

Member of Conservation Ontario

The Kortright Centre is operated by Toronto and Region Conservation, a provincial/municipal partnership established to manage the renewable natural resources of the Greater Toronto area on a watershed basis.

Kortright
centre for conservation

Environmental Educational Programs



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