

Biosphere

Environment Museum

2011-2012

EDUCATIONAL PROGRAM



Free environmental education activities
for official-language minority
communities

www.ec.gc.ca/biosphere

EDUCATIONAL PROGRAM

School year 2011–2012

The Biosphere, Environment Museum, is pleased to present its Educational Program for the 2011–2012 school year for English-language minority communities. The program offers a variety of free educational activities adapted to the needs and interests of high school students and educators across Canada. These activities link the worlds of science and technology, and explore environmental themes such as air, water, climate change, responsible consumption and biodiversity.

> The Biosphere offers numerous educational products for a diverse clientele and is a renowned forum for exchanges on the environment. As part of its national mandate, the Biosphere helps raise awareness about environmental protection among thousands of Canadian students by means of videoconferences and in-school presentations and also develops partnerships with governmental and non-governmental organizations.

The Government of Canada is committed to encouraging linguistic duality among all Canadians. Its goal is to support the cultural vitality of communities by emphasizing the value of increased knowledge of both the English and French languages. In line with this approach, Environment Canada's Biosphere subscribes to government objectives of improving access to services for official-language minority communities, notably young people.



ABOUT THE BIOSPHERE

Architectural symbol of Expo 67, the Biosphere is a unique structure, located in Montréal in Parc Jean-Drapeau. As the only environment museum in North America, the Biosphere's mandate is to raise awareness as well as to encourage citizens to take action and get involved in environmental issues. In addition to its general public programming and special events, the Biosphere has developed in the last 16 years educational and awareness-raising products for a diverse clientele across Canada and is a recognized clearinghouse for environmental information.



THE BIOSPHERE AT YOUR SCHOOL!

The Biosphere offers, all across Canada, five free thematic presentations by videoconference or on site at your school.

All presentations are:

- 60 minutes long
- from Monday to Friday
- for participants 12 years and older

Videoconferences

Offered to high school students from coast to coast, these activities link the worlds of science and technology. In an informal setting, an expert facilitator explores an environmental theme of your choice.



Technical requirements for videoconferences

- Groups of 10 or more.
- It is possible to connect several schools across Canada at the same time to encourage discussion among young people from various cities, provinces or territories.
- Required equipment: Videoconference equipment (Tandberg or Polycom) and high-speed Internet. Skype, NetMeeting or MSN IM are not accepted.





A CHANGE IN THE AIR fosters discussion about the very latest scientific information on climate change, its impacts on the environment and what we can do about it.

Theme: Climate change



ONE WORLD, ONE PLANET! sheds light on our consumption and its impacts, examining the life cycle of products and our ecological footprint. With an expert facilitator, students develop a critical mindset with respect to consumption and learn to reduce its effects on our planetary ecosystem.

Theme: Responsible consumption



VARIETY IS THE SPICE OF LIFE! helps students understand the importance of biodiversity and the pressures we exert on the natural environment. With an expert facilitator, students discuss biodiversity and how to preserve it.

Theme: Biodiversity



A BREATH OF CLEAN AIR will help young people understand smog and acid rain phenomena. With an expert facilitator, participants will discuss human activities and meteorological factors that cause these phenomena and formulate concrete actions they can take to limit them.

Theme: Air quality and pollution



DROP BY DROP helps students understand how water moves and transforms itself, how it becomes less abundant and the importance of protecting it. Students discuss with an expert facilitator the impacts of human activities on water and the actions they can take to limit those impacts.

Theme: Water

Information and Reservations

Tel.: 1-866-487-8282 (toll-free)

Email: edl-edc.biosphere@ec.gc.ca

THE BIOSPHERE AT YOUR SCHOOL!

Conferences at School

This year, conferences at school are available, upon request, in the Montréal region and at specific dates in many other Canadian cities.



Technical requirements for conferences at school

- . Groups of 90 or more.
- . Required equipment: A PC computer with Windows PowerPoint 2003 (or more recent) as well as a projector and microphone.





Cape Breton (N.S.): October 24 to 28, 2011
Hearst and Kapuskasing (Ont.): November 14 to 18, 2011
Toronto and Hamilton (Ont.): November 28 to
December 2, 2011
Sherbrooke and Gatineau (Que.): February 6 to 10, 2012
Calgary and Edmonton (Alta.): March 5 to 9, 2012
Windsor and Sarnia (Ont.): April 16 to 20, 2012
Fredericton (N.B.): May 7 to 11, 2012

Information and Reservations

Tel.: 514-496-8282

1-866-487-8282 (toll-free)

Email: edl-edc.biosphere@ec.gc.ca

RESOURCES FOR EDUCATORS!



To find free educational resources, supporting resources or the teaching resources listed below, please visit Environment Canada's Educators website:

www.ec.gc.ca/educators

AGES

CLEAN AIR / CLIMATE CHANGE

A Change in the Air: videoconferences and conferences at school
Supplementary resources

A Breath of Clean Air: videoconferences and conferences at school
Supplementary resources

NATURE / WILDLIFE

Species at Risk in Atlantic Canada – *Supplementary resources*

Species at Risk in Canada – *Supplementary resources*

Pedagogical posters on wetlands and biodiversity – *Lesson plans and teachers' guides*

Variety is the Spice of Life!: videoconferences and conferences at school
Supplementary resources

Urban BioKit – *Supplementary resources*

Nature BioKit – *Supplementary resources*

WEATHER

Sky Watchers – *Programs*

	5-8	9-12	13-15	16-18
A Change in the Air: videoconferences and conferences at school <i>Supplementary resources</i>			●	●
A Breath of Clean Air: videoconferences and conferences at school <i>Supplementary resources</i>			●	●
NATURE / WILDLIFE				
Species at Risk in Atlantic Canada – <i>Supplementary resources</i>	●	●		
Species at Risk in Canada – <i>Supplementary resources</i>		●	●	
Pedagogical posters on wetlands and biodiversity – <i>Lesson plans and teachers' guides</i>		●	●	
Variety is the Spice of Life!: videoconferences and conferences at school <i>Supplementary resources</i>			●	●
Urban BioKit – <i>Supplementary resources</i>	●	●		
Nature BioKit – <i>Supplementary resources</i>	●	●		
WEATHER				
Sky Watchers – <i>Programs</i>		●	●	

WATER

Adopt A River – *Programs*



Did you know? ... Freshwater Facts for Canada and the World
Supplementary resources



Every Drop Counts – *Supplementary resources*



Drop by Drop: videoconferences and conferences at school – *Supplementary resources*



Explore Water with Holly Heron – *Supplementary resources*



Water and Canada: Preserving Legacy for People and Environment
Supplementary resources



Water Fact Sheets – *Supplementary resources*



Water Use Calculator – *Supplementary resources*



POLLUTION PREVENTION

A Guide for Building an Interactive Pollution Model
Supplementary resources



One World, One Planet!: videoconferences and conferences at school
Supplementary resources



BIOKITS



Take the time to listen, feel, touch
and observe your surroundings
using the BioKits!

Want to get moving and set off on an adventure? Wherever you are, out in nature or in the city, the Biosphere offers you entertaining ways of exploring Canada's rich biodiversity.

Choose from a family of BioKits and explore biodiversity in urban areas, the Canadian wilderness as well as the Trans Canada Trail.

Their purpose is to engage you in learning about the value of local natural areas and biodiversity, and to empower you to help protect these areas.



To download the PDF versions or to learn more, visit: [www.ec.gc.ca/biotrousses-biokits!](http://www.ec.gc.ca/biotrousses-biokits)



CONTACT US



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ISSN: 1927-1719

Catalogue number: En151-3/2-2011E-PDF

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