

Education & Outreach Resources

<i>Air</i>		
Program/Title	Description	Audience
Air – Our Invisible Connection*	Poster kit illustrates natural and human activities that affect air quality, outlines how air data is gathered, shared and why it is important. Download kit at http://www.fortair.org/ed_teachers.php	Grade 7-9
A Traveller’s Guide to Spaceship Earth*	Poster kit that details properties of the atmosphere, air quality, atmospheric change and personal action.	Grade 4-6
Climate Change: Creating Solutions for Our Future*	This kit will help teachers improve their student's awareness and understanding of climate change. This kit can be downloaded as a .pdf file at http://www3.gov.ab.ca/env/resedu/air.cfm	Grade 4-6
Up In The Air	Activity book with information about air and what students can do to help keep the air clean.	Grade 1-4 Class Sets Available**
<i>Land</i>		
Alberta Topography Poster	A poster showing the topography of Alberta through the use of a computer image called a hillshade model. The back of the poster discusses Alberta’s geomorphology.	Grade 4- adult
Caring for the Land*	Poster kit focusing on land use, conservation and reclamation.	Grade 7-9
Alberta Grasslands: A World at Your Feet*	Poster kit illustrates vegetation and wildlife found on Alberta's Prairie and explains how human impact has affected and fragmented grasslands. The Teacher’s Guide can be downloaded as a .pdf file at http://www3.gov.ab.ca/env/resedu/land.cfm	Grade 7-9
Riparian Areas – A User’s Guide to Health	This booklet helps identify riparian areas and assess their status. The booklet may also be downloaded as a .pdf file at http://www.cowsandfish.org/usersguide.html	Grade 6- adult
Walk Softly & Care for the Land	A 28-minute VHS video and teacher’s guide showing two students completing a project on land use and learning about conservation and reclamation.	Grade 7-9
<i>Water</i>		
Stream Connections	Poster illustrating a typical northern Alberta stream. It describes the history, physical characteristics, biodiversity, human uses and issues associated with northern streams.	Grade 7-9
The Living Flow – Water in Alberta *	Poster kit detailing sources of water, uses of water, water conservation and water management.	Grade 6-10
Water for Life: Facts and Information on Water in Alberta 2002	An informative booklet describing Alberta’s water supply, water quality, aquatic ecosystems, uses of water, and water management. This booklet may also be downloaded as a .pdf file at http://www.waterforlife.gov.ab.ca/html/information.html	Grade 6 - adult Max. 6/class



Water - continued		
Program/Title	Description	Audience
Water Literacy Series	A set of workbooks on different aspects of water in Alberta. <ul style="list-style-type: none"> ▪ Water and Landscapes ▪ Ecology Studies of Lakes in Alberta ▪ Water Quality Questions 	Grade 8
Wetlands: Webbed Feet Not Required*	Poster kit exploring functions of wetlands, types of wetlands, wetland ecosystems and wetland issues.	Grade 4-6
Waste		
A Matter of Waste*	Poster kit stressing waste minimization, management and issues.	Grade 4-6
A Century of Kitchen Waste	A Century of Kitchen Waste is an interactive website that compares how we manage kitchen waste today to how it was managed in 1905. Note: To maximize the size of the photos and for overall best results, use Internet Explorer to run this program. http://www.environment.gov.ab.ca/edu/activities/century/ae.html	Grade 4-6
Composting Goes to School	Guide with information and activities related to composting and vermicomposting at school.	Grade 4-9 Available in French
Get In The Loop!*	Poster kit illustrates individual community and provincial efforts to reduce, reuse and recycle.	Grade 4-6
In Our Backyard	Binder of science activities on hazardous waste and related background materials.	Grade 7-12
NIMBY – “To Consume or Conserve”	A board game where the last person to get to the landfill, wins! The game comes with all playing pieces and four boards. The game is a good tool to stimulate discussion on waste issues.	Grade 7-9
Sort It Out!	A multi media education kit about waste reduction includes posters, activity guide and DVD. Visit online activities at www.sortitout.ca	Grade 4
Waste Watchers	An activity booklet on waste minimization, hazardous waste and the 4-R’s.	Grade K-3 Class Sets Available**
General Environment		
EnviroKids Celebrate the Environment	Book of activities exploring land, air, water and waste.	Grades K-3 Class Sets Available**
Focus On Series	Short background articles on different environmental subjects. Topics available are:	Grade 6-adult
Focus On articles are available on our website as .pdf file http://environment.gov.ab.ca/edu	<ul style="list-style-type: none"> <li style="width: 33%;">✓ Acidic Deposition <li style="width: 33%;">✓ Forest Health <li style="width: 33%;">✓ Pollution Prevention <li style="width: 33%;">✓ Air Quality <li style="width: 33%;">✓ Groundwater <li style="width: 33%;">✓ Species At Risk <li style="width: 33%;">✓ Climate Change <li style="width: 33%;">✓ Land Reclamation <li style="width: 33%;">✓ Waste Reduction <li style="width: 33%;">✓ Composting <li style="width: 33%;">✓ Ozone Depletion <li style="width: 33%;">✓ Water Conservation <li style="width: 33%;">✓ Environment <li style="width: 33%;">✓ PCBs <li style="width: 33%;">✓ Water Quality <li style="width: 33%;">✓ Environmental Emergencies <li style="width: 33%;">✓ Pesticides <li style="width: 33%;">✓ Wetlands <li style="width: 33%;">✓ Fisheries Management <li style="width: 33%;">✓ Pollution <li style="width: 33%;">✓ Wildlife Management 	
Integrated Pest Management	A series of six lessons on IPM concepts. Includes background information and lesson worksheets.	Grades 7-12



General Environment -continued

Program/Title	Description	Audience
Pesticide Education Program	Five modules examining the management of unwanted plant and animal species. ✓ Pesticide Education Unit ✓ Vegetative Management Study ✓ Mosquito Kit ✓ Weed Kit ✓ Forest Tent Caterpillar Study	Grade 10-adult
The Home We Share*	Poster kit depicting shared used and responsibility for the environment.	Grade 1-4
Toxicology Education Unit	A resource guide to help teach about the science of toxicology and discuss related issues.	Grade 10-adult

Alberta State of the Environment (SOE) Reports

Alberta's SOE Website	This website offers maps, graphs, and descriptions of a wide variety of environmental trends. Topics include air, land, water, biodiversity, waste, and climate. Visit www.gov.ab.ca/env/soe	Grade 7-adult
SOE 1999 – Wildlife	An overview of Alberta's wildlife, including both plants and animals. Describes the status of Alberta species in general terms and how wildlife populations are evaluated to identify species at risk.	Grade 7-adult
SOE 1998 – Air Quality	Explains how Alberta's air quality is affected by natural and human factors. The report outlines long-term air quality data for important contaminants and Alberta's approach to managing air quality.	Grade 7-adult
SOE 1997 – Terrestrial Ecosystems	A report on Alberta's diverse landscapes - grasslands, parkland, forests, Canadian Shield, mountains and foothills. The report describes Alberta's natural regions, the major land uses in each (such as forestry, mining and agriculture) and how we are managing these important ecosystems.	Grade 7-adult
SOE 1996 - Aquatic Ecosystems	Information about Alberta's rivers, lakes and wetlands. The report provides information about water supply, water quality and how our aquatic ecosystems are managed.	Grade 7-adult
SOE 1995 - Waste Management	An overview of the history and process of waste management in Alberta. The report includes information on waste reduction activities in Alberta.	Grade 7-adult
SOE 1994 - Comprehensive Report	A guide to the state of Alberta's environment. Topics covered are: atmosphere, water, forested land, agricultural land, mineral resources, wetlands, protected areas, waste management and biota.	Grade 7-adult

*** Poster Kit – kits normally include 2 posters, a teacher's guide, and other related material. Additional posters are available separately.**

**** Class Set - Maximum of 35 copies per class. Please state how many you require.**

Displays

Alberta Environment has the following displays available for short-term use. The displays can be pinned to a wall or Velcro to a panel. Each display panel is roughly 25” x 34” in size. Please visit the appropriate link to view a copy of the display.

Waste Not

Display illustrates: What is Waste? How we manage our waste, and choices we can make.

To see a copy of the display go to:

http://www.environment.gov.ab.ca/edu/projects/displays/images/Waste_Not.JPG

Wetlands

Display illustrates: Types of wetlands, why wetlands are important and how to protect our wetlands.

To see a copy of the display go to:

http://www.environment.gov.ab.ca/edu/projects/displays/images/Wetlands_in_Alberta.JPG

Contact/Ordering Information

Education & Information Centre

Main Floor, 9820 - 106 St.

Edmonton AB T5K 2J6

Phone: (780) 427-2700 Fax: (780) 422-4086

To call toll free outside of Edmonton dial: 310-0000

Need information about our environmental education resources?

E-mail: env.education@gov.ab.ca or visit our website at <http://environment.gov.ab.ca/edu>

Please Note

Forest and Wildlife education materials are available from:

Alberta Sustainable Resource Development

Main Floor, 9920 – 108 St.

Edmonton, AB T5K 2M4

Phone: (780) 944-0313 Fax: (780) 427-4407

Website: www3.gov.ab.ca/srd