

A ONE



LEARNING

This section contains a selection of resource materials and classroom support activities of interest to teachers in British Columbia.

BC Wetland Society

PO Box 1441 Station A
Delta, BC
V4M 3Y8
Phone: (604) 940-1540
E-Mail: lnowlan@wcel.org
www.bcwetlands.com

* BC WETLANDS "Protecting BC's Wetlands" – A Citizen's Guide is

appropriate for teachers to use as a supplement to a class study for upper intermediate grades. This is a book about wetlands: it describes why they are valuable, and what our laws do and fail to do to protect them. Although it may be of interest to wetland enthusiasts, it will be even more useful to people who are concerned about the environment but who know little about wetlands. It includes information on the formation and function of wetlands and also a review of legislation on how to use existing laws to protect wetlands in the province. Cost: \$10 for the first copy, and \$5 for additional copies. Send your order to the above address.



Exploring Estuaries and Wondrous Wetlands: A Teacher's Guide to Field Trip Excursions is a BC resource book that features dozens of practical, hands-on activities for classroom studies and field trips in the Lower Mainland. There are 150 pages with illustrations on the following topics: Seashore Life, An Estuary: Watershed to the Sea, Watching Birds, Life on the Dunes, Wetlands: Water, Soil and Plants, Pond Life: Ditches and Sloughs. Audience: Intermediate grades. Cost: \$12.50

The BC Waterfowl Society

5191 Robertson Road
Delta, BC
V4K 3N2
Phone: (604) 946-6980
www.reifelbirdsantuary.com

* THE REIFEL BIRD SANCTUARY

The Reifel Bird Sanctuary is an internationally-renown migration stopover point for birds. A class trip will invite students to explore the mysteries of migration and how wildlife managers track our bird populations. Located on Westham Island, just west of Ladner, in Delta, the sanctuary is made up of approximately 300 hectares of managed wetlands, natural marshes and low dikes in the heart of the Fraser Valley. The migration studies provide basic fact and activity sheets for teachers and students, and is intended to complement field trips to the sanctuary. Visit the website to download a free and comprehensive



unit appropriate for students in Grade 6-12. School group tours operate daily between 9 and 4. Cost: \$1 students and \$2 adults.

Gold Seal Head Office

Foot of Gore Avenue
Vancouver, BC
V6A 2Y7
Phone: (604) 681-0211
E-Mail: feedback@goldseal.ca

* **GOLD SEAL** Visit this interactive website that is appropriate for teachers and intermediate grade students. If your students are conducting a science project on salmon this website is a perfect starting point. The Gold Seal site has been given the **Five Star Award** rating for educational usefulness by Schoolzone. Here you will find information on the five types of Pacific Salmon, their lifecycle, how to harvest salmon and conserve them. View colourful pictures and maps and review facts and a library of information.



The Canadian Nature Foundation

Suite 606 1 Nicholas Street
Ottawa, Ontario
K1N 7B7
Phone: (613) 562-3447
Fax: (613) 562-3371
E-Mail: webmaster@eman-rese.ca
To order: 1-800-267-4088

* SPECIES AT RISK The Species at Risk Education Guide is an

educational package designed around the life science and environmental science components of the grades 3-7 curricula for each province. It provides the structure for teaching students about Canada's species at risk while involving them in a variety of exciting activities. The major themes of the kit are: Wildlife and Where it Lives, Why Wildlife is Important, Wildlife at Risk, Saving Wildlife. The Species at Risk Educational Kit has four main components: A 150 page Activity Book, 25 page Teacher Guide and 52 pages of Species Fact Sheets. Cost: \$26.50



BC Frogwatch

Biodiversity Branch
Ministry of Water, Land and Air Protection
PO Box 9374 Stn Prov Govt
Victoria, BC V8W 9M4
Phone: (250) 387-9755
Fax: (250) 356-9145
E-Mail: bcfrogwatch@victoria1.gov.bc.ca
Website: www.naturewatch.ca/english/frogwatch/bc

* **BC FROGWATCH** BC Frogwatch is a program designed to collect information on from and toad

populations in British Columbia. Frogwatching is a great project for school groups or for adult naturalists.

Monitoring programs are important because they are often the first signal that a particular species is declining. For more information about Amphibians in Canada, visit the Canadian Amphibian and Reptile Conservation Network website.



Aboriginal Resources and Services National Library of Canada

Deborah Pelletier, Coordinator
Room 215, 395 Wellington Street
Ottawa, ON K1A 0N4
Phone: (613) 943-2398
Toll Free: 1-800-896-9481
Fax: (613) 996-3573
E-Mail: aboriginal@nlc-bnc.ca

* **ABORIGINAL RESOURCES NATIONAL LIBRARY** The National Library has an extensive collection of resources by or about Aboriginal peoples. Examples include rare dictionaries and grammar books in Aboriginal languages, poster prints of Metis land grants from the period 1876-78, annual reports from the Department of Indian Affairs dating back to 1864, genealogical resources and audio-visual and sound recordings. The library can help you find answers for your questions, assist you in using the library's collections and in locating information or material from sources outside the National Library, if required. Services are offered in English and French and questions will be responded to in up to 2, 5 or 10 days. Appropriate for upper intermediate grades.



Virtual Museum of Canada

15 Eddy Street, 15-4-A
Gatineau, Quebec
K1A 0M5
Phone: 1-819-994-1200
Fax: —819-994-9555
E-mail: vmc@virtualmuseum.ca

* LEARNING WITH MUSEUMS

Learning with Museums is an online resource for teachers, parents and students of all ages. Visitors will see the accumulated knowledge of Canada's heritage institutions through an educational perspective. Lesson plans, hands-on activities, interactive exercises, games, and virtual exhibits are just some of the valuable materials *Learning with Museums* has to offer. Websites can be searched using a wide range of criteria, including age, subject and curriculum areas. This site is appropriate for all ages.



Statistical Reference Centre (National Capital Region)

R.H. Coats Building, Lobby
Holland Avenue
Ottawa, Ontario
K1A 0T6
Phone: 1-800-263-1163
marion.smith@statcan.ca
www.statcan.ca/english/edu

* STATISTICS CANADA EDUCATION PROGRAM

Statistics: Power from Data! Is a free electronic manual covering all aspects of statistics, from collecting data to interpreting information. Written in clear language, this e-book was created with input from teachers and is aimed primarily at secondary students. Debate questions and current even exercises found throughout this e-book will get our class talking about the importance of analyzing information and thinking in terms of statistics!



The Tiny Giant Magazine

Vancouver, BC
Phone: (604) 730-81
www.tgmag.ca/index_e.htm

* **TINY GIANT MAGAZINE** *Tiny Giant magazine/The Students Commission (TG/SC)* is a diverse, global-minded organization that is run by youth for youth across Canada. They strive to create opportunities for empowerment through innovative and educational processes and products. With considerable expertise in the design, development and implementation of learning products and programs for today's educational environment, *TG* works and produces for distribution in a variety of media. *TG involves* young people in the production of all its products, ensuring their relevancy to the target audience. View the site to learn more about the magazines and other products available.



Educo Adventure School

100 Mile House, BC
Phone: (250) 395-3388
Fax: (250) 395-2567
E-Mail: adventure@educo.ca
www.educo.ca

* EDUCO ADVENTURES

Teachers! Make the wilderness your classroom! Located in the remote and beautiful landscape of the Cariboo, *Educo* offers specialized programs for school groups during May, June, September and October. The intensity and difficulty of each course is determined by age and individual capabilities of the



RESOURCES TEACHERS' SHOPPING LIST

Companies, government agencies and other associations are welcome to submit items for inclusion in this section.

participants. The highly skilled staff will design a course to suite our students, timing, budget and class objectives. *Educo* practices setting goals, taking risks, working as part of a team, solving problems and making choices while maintaining a positive attitude. Participants learn to rely on their own inner strength with the support of peers and instructors. Travel time: ~5-6 hour drive from the Lower Mainland. Contact the *Educo* office for more information.

Canadian Heritage

Library Square
300 West Georgia Street, 4th Floor
Vancouver, BC V6B 6C6
Phone: (04) 666-8082
Toll Free: 1-800-663-5812
www.canadianheritage.gc.ca/affiche-poster/index_e.cfm

* 2004 POSTER CHALLENGE

Every year, participants aged 18 and under are invited to demonstrate their pride in Canada and d in being Canadian by designing a poster that reflects an aspect of Canada's diverse heritage. This year's theme, *Acadia: First Dialogues – The Meeting of Two Worlds*, takes participants back to the adventures of explorers Pierre Dugua and Samuel de Champlain and their voyage to Acadia in 1604, marking the beginning of 400 years of permanent French settlement in



North America. The activities, games, and information provided in the Activity Guide will help educators present the theme, and inspire participants in their endeavours to portray it artistically. Participants will gain an understanding of the creativity and resourcefulness of the early explorers and the First Nations peoples they met, the hardships of settling in a new land, lessons learned, and their legacy. The artwork of the national winner will become the official poster for all 2004 Canada Day and "Celebrate Canada!" activities. Order copies of the free class activity guide from the website.

Indian and Northern Affairs Canada

10 Wellington, North Tower
Hull, Quebec
Ottawa, Ontario
K1A 0H4
Phone: 1-800-567-9604
E-Mail: infopubs@ainc-inac.gc.ca
www.ainc-inac.gc.ca/ks/index_e.html

* **CLAIRE AND HER GRANDFATHER** Indian and Northern Affairs Canada offers this comprehensive and educational site fore teachers to use in their classrooms. The story of *Claire and her Grandfather* can be downloaded for use or accessed on line. The story is designed to enhance young people's awareness of some of the many contributions



and inventions by Aboriginal people. The story is meant to be a versatile teaching tool for children ages 7-12, although older students might enjoy the story and its images. Teachers can use the story to initiate a broader examination of the many historical and contemporary contributions for First Nations and Inuit to Canada and the world.

The Canadian Studies Program

Department of Canadian Heritage
12 York Street
Ottawa, Ontario
K1N 5S6
Phone: (613) 998-9030
Fax: (613) 998-9008
E-Mail: CSP-PEC@pch.gc.ca

* **CANADIANS AND THEIR GOVERNMENT: A RESOURCE GUIDE** The Government of Canada is pleased to provide Canadians with access to a new resource guide to assist us in learning more about our system of government and its institutions. The guide is full of information and a wide range of activities. It is intended primarily for youth aged 12-16, but can be adapted for use with other audiences. This guide is contained in a binder and includes additional posters, booklets and a video. A CD-ROM version will also be made available in the near future. You can order this free guide by contacting the e-mail address.



FORED BC

For Education about our environment and its natural resources.

Provincial Office

#213 - 4438 West 10th Avenue, V6R 4R8
Vancouver, British Columbia
Phone: (604) 737-8555
Fax: (604) 737-8598
Teachers' Fax: (604) 737-8533
Teachers' Toll-Free: 1-888-28-TREES
Website: www.landscapesmag.com
Cheryl Ziola, President
E-mail: info@foredbc.org
Available from *FORED BC*

- Website for teachers and students: www.landscapesmag.com
- Teacher training workshops for a variety of grade levels with a focus on resources such as trees, wildlife, water, minerals, soil, as well as related careers and aboriginal forest practices.
- Information and activity packages in response to teacher topic requests.
- Idea exchange sessions for teachers and natural resource sector professionals.
- Training workshops for education volunteers from industry and government.
- Advice and services for classroom presenters on a consulting basis.
- Education consulting.
- Review of curriculum packages related to environmental education topics.
- Participation in and provision of speakers for Provincial Specialty Association conferences.

HOME PAGES

• CLIMATE CHANGE CANADA

www.climatechangecanada.org

Find information, visuals, critical thinking activities and questions to debate – all related to climate change. Get ideas on how to tackle the complex topic – even if you are new to it. For more information, or to book a teacher workshop, contact: GVRD Info Centre at 604-432-6200 or Email: GVRD_Education@gvr.bc.ca



• THE ATLAS OF CANADA

www.atlas.gc.ca

From basic cartography to an online project to an interactive glossary tool and much more, the Atlas of Canada site offers more than just maps. Teachers will find the detailed Curriculum Guide very useful as it links relevant Atlas of Canada maps and other resources to all Geography, Social Studies and History courses in every province and territory for grades 7 to 12.



• THE WYLAND OCEAN CHALLENGE

www.wylandoceanchallenge.org

The Wyland Ocean Challenge website offers free downloadable Teacher's Activities that match curriculum standards. Each grade category (K-3, 4-6) contains up to twenty activities to broaden the student's understanding of marine life adaptation, conservation, and water cycles. All activities are designed to support National Science and Art standards.



• KIDS GARDENING

www.kidsgardening.com/themes/organic/1.asp

This site is ideal for gardeners and educators to find information, inspiration, and community and share it with their students. Combined with its sister site www.garden.org they feature 2,000 articles, 30,000 FAQ's, how-to projects, online courses, seed swaps, a school garden registry, and much more. Visitors can sign up for free e-newsletters, including NGA's *Regional Gardening Reports*, with the latest gardening news and tips.



• THE VANCOUVER CHILDRENS' FESTIVAL/ARTISTS

www.childrensfestival.ca/PictureThis/resourceinfo.html

This category of the Vancouver Children's Festival site features information about an on-line project that is intended as an outlet for young artists to explore what the BC landscape means to them. The resource page is provided for inspiration to teachers and students to assist them in exploring the Internet in order to increase their understanding of how renowned Canadian artists have depicted our vast and varied landscape. View links to various Canadian artists to assist your class in different subject areas. While visiting the site, explore all of the exciting events that will take place at the 2004 Children's Festival.



• THE WILDLANDS LEAGUE

www.wildlandsleague.org

Order your free boreal forest poster! Learn more and show your support for boreal conservation and threatened boreal species like woodland caribou by displaying this great poster in your home, school or workplace. In addition, the Wildlands League publishes many reports and fact sheets each year. Many of these documents are available on-line in Adobe PDF, or you can order hard copies from the Wildlands office. Categories of information are based on Ontario and the world in general, including: Algoma Highlands, Algonquin Park, Boreal Forest, Community Economic Diversifications, Conservation Science, Ecotourism, Forestry and Parks. (Actual size of poster is 8.5 X 14 inches.)



• VANCOUVER HIKING

www.vancouverhiking.tripod.com

Teachers and nature enthusiasts alike will really enjoy this site! Here you will find suggested areas to hike in the Greater Vancouver area and throughout the Lower Mainland and beyond. The hikes have been reviewed by a group of avid local hikers and helpful information is included that will prepare teachers to take themselves and their classes out to enjoy the great outdoors! Survival tips, backpacking tips, fitness information and maps are also available. View the incredible landscapes photo gallery that was created after visiting such places as: Norvan Falls, Garibaldi Lake, Elfin Lakes, The Lions, Tea Pot Hill, Mount Strachan, Lighthouse Park, Narin Falls, Manning Park, and more!



• ENVIRONMENT CANADA

<http://www.ec.gc.ca/acidrain/res-pub.html>

From Environment Canada, this site on acid rain includes current progress reports on the Canada-wide 'Acid Rain Strategy'. A variety of reports, released by the Canadian Council of Ministers of the Environment (CCME) and fact sheets are available to download in Adobe PDF. A kids' corner section of the site demonstrates how to use a PH Scale and how to conduct experiments from Grades K-12.



• HAVE A COW, DUDE!

www.10acresbackyard.com

This site is a perfect supplement to a study your class may be doing on agriculture, farming, or cows in general. Students will love the interactive sections such as: Ask the Farmer, Cow tips, The Calf Barn, The Girls (pictures and details of all of their milking cows), farm tool identification and farm-fact quizzes. The educational site has won numerous awards for its 'family friendly' and comprehensive data base that is updated daily. The information is gathered from a family dairy farm in Kentucky. The cows are real and the records on them are accurate. They are tested monthly and that is when the newsletter is sent out. Ultimately, the website's purpose is to teach you more about a farmers' life, the good and the bad, and to have a little fun in the process.