

Classroom Connections

A Teacher's Guide to Field Trips & Presentations
(Calgary & Area) 2005-2006



by
the **Society of Educational Resource Groups**

www.sergalberta.org



www.sergalberta.org

SOCIETY OF EDUCATIONAL RESOURCE GROUPS

A group of organizations which offer school and community educational opportunities through extension activities.

MANDATE

To promote and enhance understanding and appreciation of, and commitment to, natural and cultural resources.

MEMBERS ARE EXPERIENCED IN:

- Providing educational programs for students and adults;
- Assisting teachers develop educational programs and providing professional development;
- Assisting with and providing successful off-site curricular field studies or in-school presentations.

To advertise in the Field Trips and Presentations Directory, please call any member sites listed at the back of the SERG Directory.

The Society of Educational Resource Groups takes no responsibility for any programming or liability issues that may arise out of the use of this directory. Any individual making use of this resource is responsible to ensure that the organizations meet the requirements of said individual's school board or district.

CONTENTS

PLANNING CHECKLIST	2
AT A GLANCE: Members, Program Descriptions, Contacts	3
FIELD TRIPS & PRESENTATIONS	
Aero Space Museum Association	9
Ann & Sandy Cross Conservation Area	10
Art Gallery of Calgary	11
Bow Habitat Station	13
Calgary Humane Society	14
Calgary Outdoor School Consortium	15
Calgary Science Network	17
Cantos Music Foundation	18
City of Calgary Animal & Bylaw Services	19
Evergreen Theatre	20
Fish Creek Provincial Park, Alberta Parks and Protected Areas	21
Fort Calgary	22
Grain Academy	24
Inside Education	25
Kananaskis Country, Alberta Parks and Protected Areas	21
Leighton Art Centre	26
Museum of the Regiments	27
Quest Theatre	30
SpacePort - Calgary International Airport	31
TELUS World of Science (formerly Calgary Science Centre)	32
University of Calgary Kananaskis Field Stations	35
Whyte Museum	36
YMCA Outdoor School - Rocky Mountain YMCA	37
PROFESSIONAL DEVELOPMENT PROGRAMS FOR TEACHERS	
Aero Space Museum Association	38
Ann & Sandy Cross Conservation Area	38
Art Gallery of Calgary	39
Bow Habitat Station	39
Calgary Science Network/Teacher Workshops	40
Fish Creek Provincial Park, Alberta Parks and Protected Areas	40
Inside Education	41
Spaceport - Calgary International Airport	41
TELUS World of Science (formerly Calgary Science Centre)	42
University of Calgary Kananaskis Field Stations	42
Whyte Museum	43
YMCA Outdoor School	43
SERG Contact Phone and Fax Numbers - 2005/2006	44

FIELD TRIP PLANNING CHECKLIST

A. PRE-TRIP PLANNING

1. Booking the field trip/presentation

- Integration with curriculum identified
- Contact site/presenter to verify site/presenter requirements and school needs
- Confirm booking
- Review site/presenter cancellation policy

2. Administration (within school)

- Approval and permission forms
- Funding the field trip/presentation
- Volunteer checks if needed

3. Student information/activities

- Please review your site/presenter information package

B. INCLASS/SCHOOL PRESENTATIONS

1. Logistics
2. School staff informed
3. Guests informed

C. FIELD TRIP CHECKLIST

1. Preview field trip site
2. Transportation to/from site
3. Volunteer preparation
4. Student preparation
5. Items to take on field trip
6. Field trip evaluation

Please consult the site coordinator or presenter for specific trip/presentation planning and checklists.

ATA GLANCE: Members, Program Descriptions, Contacts

Aero Space Museum Association #250-3752
4629 McCall Way NE Fax: 250-8399
Calgary, Alberta T2E 8A5

Our Grade 6 theory-of-flight Educational Tour is designed to support the Grade 6 Flight topic. This field trip will help solidify some of the concepts within the flight unit. The museum features over 20 aircraft and a Space Communication Centre with hands-on activities.

Grade levels: 1 to 12 (see pages 9, 38)

Ann & Sandy Cross Conservation Area #931-2042
Kelly Small, Education Manager Fax: 931-1045
Box 20, Site 23, RR#8, Calgary, Alberta T2J 2T9
email: ksmall@crossconservation.org
www.crossconservation.org

The Ann and Sandy Cross Conservation Area is a day use natural area that was donated to the people of Alberta to preserve habitat for native species of wildlife and to offer conservation education programs. Come and explore the wilderness of the aspen forests and native grasslands and learn how to care for the land with our curriculum-based programs. We are also part of the Chevron Corporation Open Minds School Program.

Grade levels: 1 to 9 (see pages 10, 38)

Art Gallery of Calgary #770-1358
Linda Hawke, Manager, Public and Education Programs
117-8 Avenue S.W. Calgary, Alberta T2P 1B4
www.artgallerycalgary.org

Today's artists explore a wide range of themes and experiment with innovative materials. Their works offer rich learning opportunities. AGC's skilled educators will help you and your students discover the diversity, authenticity, and depth contemporary art can bring to learning. Our school programs offer creative ways to meet curriculum objectives in Social Studies, Language Arts, Science, and Art. Your students will experience original contemporary art in carefully selected exhibitions, engage in age-appropriate activities and be curious, active, critical, and creative participants. They will experiment with materials, techniques and ideas to create their own original art, explore how art is connected to identity, the sciences, and language, and examine ideas that range from the basic elements of line and shape to the complex role of art in today's world. Open a window onto our ever-changing world with art education programs at the Art Gallery of Calgary!

Grade levels: ECS to 12 (see pages 11, 12 & 39)

Bow Habitat Station #297-6561
Sarah Hiuser, Program Bookings
Danita Maslankowski, Education Programmer
Ellen Gasser, Visitor Services Coordinator

Alberta Sustainable Resource Development, Fish and Wildlife Division
Fisheries Management Branch
1440 17A Street SE
Calgary, AB T2G 4T9
email: bowhabitat.info@gov.ab.ca
www.bowhabitat.gov.ab.ca

Bow Habitat Station is a unique "eco-park" located along the Bow River in the community of Inglewood in Calgary. It is comprised of three major components:

- The **Sam Livingston Fish Hatchery** - the largest indoor trout hatchery of its kind in North America. It has been operating since 1973 and produces 2 to 3 million fish annually to stock 300 Alberta waterbodies;
- The 14.6 hectare **Pearce Estate Park Interpretive Wetland (PEPIW)**, an "outdoor classroom" showcasing aquatic habitats common to Alberta and the species that live in them, with interpretive trails, signs and student wetland sampling sites.
- A 13,000 square foot **visitor center** with hands-on exhibits, a theatre, discovery room, classrooms, gift shop and food services to be opened in spring 2006.

Bow Habitat Station offers staff-led, curriculum-based, hands-on education programs about wetlands, aquatic ecology, water conservation, habitat protection, fish life cycles and stewardship of Alberta's natural resources. Programs are offered on site using student sampling locations in PEPIW. A trout life cycle program is presented in classrooms in the Calgary area. Additional programs will be offered at the facility once the visitor centre is complete in spring 2006.

Grade levels: 3 to 5 (see pages 13, 39)

ATA GLANCE: Members, Program Descriptions, Contacts

Calgary Humane Society

#250-7912

Ivanna Ferris (ext 343)
1323-36 Avenue N.E. Calgary, Alberta T2E 6T6
email: educator@calgaryhumane.ca
www.calgaryhumane.ca

Students discover the importance of animals' feelings, what animals need to be healthy and happy, care of pets and similarities between human and nonhuman animal needs.

Grade levels: ECS to 12 (see pages 14)

Calgary Outdoor School Consortium

#777-7117

Nestor Kelba
c/o Kamp Kiwanis
241001 Range Rd.42, Calgary, Alberta T3Z 2X5
mkelba@telus.net
Fax: 777-7108

The operation of the Outdoor School in Calgary is a successful partnership between the schools, their communities and staff, Silver Creek Ranch and the Kiwanis Club of Calgary. The support of the Calgary Board of Education is invaluable.

Grade levels: ECS to 8 (see page 15, 16)

Calgary Science Network

www.calgarysciencenetwork.ca

Scientist-in-the-classroom Coordinator #263-6226

email: coordinator@calgarysciencenetwork.ca

Teacher Workshops Coordinator #230-1431

email: workshops@calgarysciencenetwork.ca

Calgary Science Network (CSN) is committed to inspiring an active, life-long interest in science and technology. CSN will provide a positive science experience to students and teachers through direct interaction with scientists and engineers. Partnering with volunteers from the science, engineering, education and business communities, CSN programs bring science to life.

Volunteer Scientists provide fun, interactive classroom presentations at no cost to 15,000 students yearly. They add depth to the science curriculum, give real life examples, stimulate student thinking about science, and expose students to many science- and engineering-related careers.

PD Workshops for Teachers: Led by a scientist-teacher team, the content is accurate and in-depth while hands-on activities are grade appropriate and classroom friendly. Fees are minimal and, when possible, take-back-to-the-classroom supplies are provided.

CSN publications include the Calgary Science Fun Guide and Calgary Bridges. Networking meetings are held bimonthly. For information, dates and times, call 263-6226 or check our website.

Grade levels: All grades + Teachers (see pages 17, 40)

Cantos Music Foundation

Ingrid Kincel **#543-5119 or #543-5115**

134-11th Ave SE,
Calgary, Alberta T2G 0X5
Fax: 543-5129
email: kinceli@cantos.ca
www.cantos.ca

Established in 1998, the Cantos Music Foundation is a registered, not-for-profit, charitable organization that presents educational programs using its collection of over 400 keyboard instruments. With historic pianos, harpsichords, clavichords, and rare 20th century electronic equipment, Cantos offers an exceptional learning environment in which to explore various subjects of school curriculum through music.

Grade levels: 3 to 12 (see page 18)

The City of Calgary Animal & Bylaw Services

Dolly Hussey **#268-1096**

2201 Portland Street SE
Calgary, Alberta T2G 4M7
email: dhussey@calgary.ca
www.calgary.ca/animalservices

The City of Calgary Animal & Bylaw Services have been creating and presenting curriculum based school programs since 1999. Our interactive programs include: 'PAWS for Safety Dog Bite Prevention' for ECS to Grade 6. 'Graffiti Awareness' for students in Grades 4 to 6 and a new Grade 1 Science program entitled, 'Dogs in our society'. We offer two programs which correlate with the Grade 6 Social Studies Local Government unit: "Freedom City" and "The Junior Bylaw Project". Our educators come to the schools, present the programs free of charge and supply accompanying, grade appropriate resource materials for students and teachers.

Grade levels: ECS to Grade 6 (see page 19)

ATA GLANCE: Members, Program Descriptions, Contacts

Evergreen Theatre

#228-1384

Dawn Dymond

email: info@evergreentheatre.com

www.evergreentheatre.com

Evergreen Theatre has been providing science-based, 100% curriculum educational theatre programs for over 14 years around Alberta. Programs by Evergreen have been presented as far away as Ottawa's Museum of Man and Nature and the Smithsonian Zoo in Washington, DC. A teacher's resource guide, and knowledgeable programmers who are happy to answer student's questions, accompany each program. This year, Evergreen offers 2 programs - "Touchwood-a musical extravaganza about Alberta's Trees & Forests" and "Pond Scum, Inc".

Grade levels: ECS to 6

(see page 20)

Fish Creek Provincial Park, Alberta Parks and Protected Areas

#297-7827

Carey Booth, Visitor Services and Education Coordinator

Val Street, Environmental Education Specialist

13931 Woodpath Road S.W., Calgary, Alberta T2W 5R6

Roland Kirzinger, Teacher in Residence and Outreach Specialist

email: Roland.Kirzinger@gov.ab.ca

www.fish-creek.org

Fish Creek Provincial Park operates the Fish Creek Environmental Learning Centre providing school programs for Kindergarten to Junior High throughout the year. Additional programs are operated out of the Bow Valley Ranch Visitor Centre. A total of 24 curriculum connected field study programs are available. The Environmental Learning Centre also offers the **Taking it Outside** professional development workshop series offering educators hands-on experiences with the natural world and instruction from experts in environmental studies. Schools and individuals can also book the Learning Centre for their own professional development workshops.

Grade levels: ECS to Jr High & Teachers (see page 21, 40)

Fort Calgary

#290-1875

Education Assistant

P.O. Box 2100, Station M #106 Calgary, Alberta T2P 2M5

email: info@fortcalgary.com

www.fortcalgary.com

The programs at Fort Calgary involve students in interactive curriculum based learning opportunities that include handling artifacts, role playing, model & map building & dressing in costume. Focused on historic people living and working in and around Calgary, the programs are meant to enhance in-class unit studies in Social Studies, Language Arts & Science.

Grade levels: K to 6 + ESL

(see page 22,23)

Grain Academy

#263-4594

Wayne Lawson, Manager/Curator

Box 1060, Stn. "M" Calgary, Alberta T2P 2K8

The Grain Academy strives to instruct students in an entertaining way about grain - man's basic and most important food source.

Grade levels: 1 to 12

(see page 24)

Inside Education

#263-7720

Suite 520, 525-11th Ave SW

Calgary, Alberta T2R 0C9

email: info@insideeducation.ca

www.insideeducation.ca

Inside Education is a non-profit society providing education resources, teacher professional development and more to Alberta educators and students, community groups and the public who want to learn more about the issues related to environmental sustainability and the development and use of our natural resources. We work collaboratively with partners with wide-ranging perspectives to provide relevant, engaging, bias-balanced and scientifically-sound support tools and learning experiences.

Our services are also available to Edmonton area teachers, please visit www.insideeducation.ca for more information.

Grade levels: ECS to 12 & Teachers

(see page 25, 41)

ATA GLANCE: Members, Program Descriptions, Contacts

**Kananaskis Country,
Alberta Parks and Protected Area**
#(403) 678-5508 ext.284

Andrea Barnes, Environmental Education Specialist
Suite 201, 800 Railway Avenue, Canmore, AB, T1W 1P1
www.cd.gov.ab.ca/parks/kananaskis

The Environmental Education program in Kananaskis Country develops and presents educational programs and support materials that increase environmental awareness, understanding and stewardship of the natural world. Throughout the year, professional development workshops are also delivered to assist teachers in leading environmental education programs. Check our website for more information and a complete program description.

Grade levels: ECS to Jr High & Teachers (see page 21)

Leighton Art Centre #931-3636
Ann Mercier, Program Coordinator
Box 9, Site 31, RR#8, Calgary, Alberta T2J 2T9

Programs use natural materials to offer students the opportunity to explore their creativity and their environment through arts, crafts, and nature hikes. Includes \$8.50 for two crafts, a nature hike, tour of the Leighton Art Gallery and Museum (Leighton's home) and classroom banner. You may select a theme for the day or mix and match crafts from different categories.

Grade levels: ECS to 6 (see page 26)

Museum of the Regiments #974-2869
Carolyn Foard-McPhail
4520 Crowchild Trail S.W. Calgary, Alberta T2T 5J4

Travel through time as you explore Western Canada's largest military museum. Re-live tragedy to triumph, tyranny to liberation and commitment to sacrifice. Come and visit the galleries of Alberta's four regiments along with the Alberta Gallery and Imperial Oil Gallery which holds featured exhibits. Custom tours may include video presentations, hands-on artifact handling and personal tours with present day soldiers or veterans. For information about school curriculum based programs, Blue Beret, Youth Adventure or custom designed tours please contact our Education Department at (403) 974-2869

Grade levels: 1 to 12 (see page 27,28,29)

Quest Theatre Society #264-8575
Tour Coordinator Fax: 264-8578
#310, 815 - 1 Street SW Calgary, Alberta T2P 1N3
Toll free: 1-888-801-2508
email: qtheatre@telusplanet.net
www.questtheatre.org

Quest Theatre is a professional theatre company devoted to producing innovative and entertaining works that enhance young people's lives. Quest Theatre is in its 18th year of operating and offers touring theatre productions throughout Alberta as well as Artists in School Residencies, public performances and summer drama camps for children.

Grade levels: ECS to 12 (see page 30)

SpacePort–Calgary International Airport #717-7678/
Eden Vogan, Manager
Education Program Director 717-7679
2000 Airport Road NE, Calgary, Alberta T2E 6W5
email: sport1@yyc.com
www.calgaryspaceport.com

Programs offered by SpacePort are designed to give students a fun and interesting way to learn about science and space. Themes include rocket labs, living in space, problem-solving in space, and theory of flight. Programs are Alberta curriculum linked and presented through interactive stage shows and workshops.

Grade levels: 2 to 10 (see page 31, 41)

TELUS World of Science #268-8311
(formerly the Calgary Science Centre) #268-8329
Darren King
701-11 Street SW, Calgary, Alberta
P.O. Box 2100, Station M, #73, Calgary, Alberta T2P 2M5
email: darren.king@calgaryscience.ca
www.calgaryscience.ca

The TELUS World of Science offers exciting science programs which complement the science curriculum. Students explore hands-on exhibits, watch a show in the Discovery Dome Theatre, create and program a LEGO MINDSTORMS robot, and experience an exciting science demonstration. Also available : STARLAB - the inflatable planetarium that comes to your school with astronomy presenter. The Open Minds School Program – The Chevron Science Centre School is housed at the TELUS World of Science

Grade levels: ECS to 12 (see pages 32,33,34 & 42)

ATA GLANCE: Members, Program Descriptions, Contacts

University of Calgary #220-5355
Kananaskis Field Stations Fax: 673-3671
Michael J. Mappin, Program Coordinator
Environmental & Ecology Education Programs
c/o BioSciences 186, 2500 University Drive N.W.
Calgary, Alberta T2N 1N4
email: mmappin@ucalgary.ca
www.ucalgary.ca/UofC/research/KFS

The Kananaskis Field Stations (KFS) is located next to Barrier Lake in Kananaskis Country and offers a selection of on-site day-trip and residential programs. The programs are curriculum-based and are developed through collaborative partnerships with school districts, schools, government agencies and community education groups. Detailed planning templates and planning manuals are available for each program. KFS also offers professional development programs, workshops and facilities for meetings and conferences.

Grade levels: 6 to 12 +Teachers (see page 35, 42)

Whyte Museum of the Canadian Rockies
Museum Programs Coordinator, Tanya Bouchard
#(403) 762-2291 ext 314
tbl@whyte.org
Programs Assistant, Mandy Kinzel
#(403) 762-2291 ext 326
mkinzel@whyte.org
Box 160, 111 Bear Street, Banff, Alberta T1L 1A3
Fax: (403) 762-8919

Located in the town of Banff in Banff National Park, The Whyte Museum offers opportunities for students and teachers to learn about the history, culture and ecology of the Rocky Mountains in our galleries, on the Museum grounds and throughout the Banff town site. Our permanent collection and temporary exhibits offer a variety of learning experiences related to the social studies, art, science, and language learning curricula.

Grade levels: 1 – 12 (see page 36, 43)

YMCA Outdoor School: Rocky Mountain YMCA – Camp Chief Hector
Outdoor Schools Manager
269-6156 (Calgary)
(403) 673-3858 ext 201 (outside Calgary)
Fax: (403) 673-2179
www.ymcalgary.org

The YMCA Outdoor School programs take place at the Rocky Mountain YMCA (also known as YMCA Camp Chief Hector). This beautiful, 1000-acre site is located in the Bow Valley, one-hour west of Calgary on the #1 Highway. The Rocky Mountain YMCA is the unique camping and outdoor education branch of YMCA Calgary, focusing on youth and young adults yet open to all. We emphasize community and value-based education, outdoor challenge and adventure, fun, individual growth and development, environmental stewardship, leadership development and service excellence. We would like to thank the Calgary Board of Education for its ongoing support.

Grade Levels: 5 to 12 (see page 37, 43)

ATA GLANCE: Members, Program Descriptions, Contacts

SCHOOL BOARD LIAISONS

Calgary Board of Education
Scott McLarty
Ph: 294-8578
Fax: 294-8434

Calgary Roman Catholic Separate School District No.1
Maria Steinborn Ph: 298-1487
Michael Ross Ph: 298-1391
Fax: 298-1480

The Calgary Roman Catholic School District No. 1 and the Calgary Board of Education District No. 19 (the Districts) support the goals and mandates of the Society of Educational Resource Groups. However, the Districts do not accept any liability or responsibility for any occurrence arising out of the use of this Directory by any other person, organization or agency. This Directory is not a legal document and is not intended for any other purpose but to provide information about the programs offered by the organizations listed. The Districts have not approved or reviewed the programs listed and make no representations about the quality or safety of the programs. Schools from the Districts that choose to utilize programs from this Directory are advised that the policies, regulations and safety practices of the Districts should be adhered to at all times.

FIELD TRIPS & PRESENTATIONS

SUBJECT KEY

A - Art/Drama/Music
LA - Language Arts

CH - CALM/Health
PE - Physical Ed

M - Math
Sc - Science

EOE - Environmental/Outdoor Education
SS - Social Studies



AERO SPACE MUSEUM ASSOCIATION

Contact: Allan Gallant Ph: 250-3752

GRADE
6

*Subject: Sc

Theory of Flight Educational Tour

This program is designed to support the Grade 6 Flight topic. This field trip will help solidify some of the concepts within the flight unit. Students will participate in activities involving the basic forces of flight, parts of an airplane, aircraft movement and much more.

-
- \$3 per person
 - Contact: Allan Gallant 250-3752ext.114

GRADES
1 - 12

*Subject: Sc

Teacher/Student Resource Centre

The museum library contains an educational resource section for both teachers and students. Topics include Theory of Flight, Air and Aerodynamics, History of Aviation, Early Flight, and much more. Some of the resources available include videos, periodicals, manuals, research books, photographs, maps, website listings, hands-on activities ideas, etc. Available for teachers and students Grade 1-12

-
- \$3 per person
 - Contact: Allan Gallant 250-3752ext.114



ANN & SANDY CROSS CONSERVATION AREA

Contact: Kelly Small Ph: 931-2042

**GRADES
1 - 2**

*Subjects: Sc/LA/EOE

Winter Walkabout (January - March)

Students become Cross Conservation Officers and investigate how plants and animals survive during winter and how snow protects them. Nature observations, hands-on activities and games are balanced with time indoors.

-
- cap. 60
 - 4 - 5 hours
 - \$90 per class
 - Pre/Post Activities

**GRADES
2 - 3**

*Subjects: Sc/EOE/PE

The Amazing Mini Adventure (May - June)

Students investigate the miniature world of insects and spiders with bug jars, and pond sampling equipment. Hands-on investigation and games help students learn how adaptations and relationships differ among insects in the pond and in the forest.

-
- cap. 60
 - 4 - 5 hours
 - \$90 per class
 - Pre/Post Activities

**GRADES
3 - 5**

*Subjects: Sc/EOE/PE/LA

Web of Life (September - June)

See the forest through the eyes of a spider. Using nature observations and activities, students will investigate the important role each species plays in the forest community and how people fit into the Web of Life. Discuss the role people play in the web of life.

-
- cap. 60
 - 4 - 5 hours
 - \$90 per class
 - Pre/Post Activities

**GRADE
4**

*Subjects: EOE/Sc/SS/LA/Math

Keepers of the Land (September - June)

On this day hike at the Area, students will explore the ways people used land in the past, see how we use it today, and imagine the future of land use conservation.

-
- cap. 60
 - 4 - 5 hours
 - \$90 per class
 - Pre/Post Activities

**GRADE
6**

*Subjects: Sc/EOE/PE/Math

Forest Explore (September - November, May - June)

Explore the Aspen Parkland through nature observations and plant identification. Hands-on investigation and role playing games help students learn about forest ecology and the value of forests to wildlife and humans.

-
- cap. 60
 - 4 - 5 hours
 - \$90 per class
 - Pre/Post Activities

**GRADE
7-9**

*Subjects: Sc/EOE/PE

Care for the Land (September - November, May - June)

Students will become natural area managers and investigate biodiversity, conservation practises, and stewardship as they relate to land management..

-
- cap. 60
 - 4 - 5 hours
 - \$90 per class
 - Pre/Post Activities



ART GALLERY OF CALGARY

Contact: Linda Hawke, Manager of Public & Education Programs

Ph: 770-1358 email: lhawke@artgallery.org

www.artgallerycalgary.org

Availability: Monday-Friday, 9 am – 3 pm

GRADE K

*Subjects: A/SS

StARTing Lines

Why are some lines curvy and others straight? When does a line become a shape? This engaging introductory gallery experience demonstrates that looking at art is fun when you use all your senses, including your sense of imagination!

Students participate in lively movement, sound, and observation activities and investigate the many qualities of line and shape.

- cap. 35 • 1.5 hours • \$4/student • Pre/Post Activities

GRADES K-3

*Subjects: A/LA

A is for Art

Visual art offers a creative springboard for exploring the expressive nature of words. Working individually and in groups, students play with poetry to discover how well-chosen words can bring pictures to mind, and how words and images can work together to express thoughts and feelings. Guided looking activities encourage students to observe, brainstorm, contemplate, and describe.

- cap. 35 • 1.5 hours • \$4/student • Pre/Post Activities

GRADE 1

*Subjects: A/Sc

All Senses Are Go!

Our senses allow us to appreciate colours in art, and to imagine what those colours might feel, sound, smell, or even taste like! Students draw upon all their senses to recognize and describe the variety of colours, lines, and shapes they discover in art and in the world around them.

- cap. 35 • 1.5 hours • \$4/student • Pre/Post Activities

GRADE 2-3

*Subjects: A/Sc

Art Takes Shape

Bumpy, square, bright, or sticky -- a multitude of shapes, colours, and textures create form in art. In this multi-faceted art exploration, students explore a variety of resources to discover how materials can work together in two and three dimensions.

- cap. 35 • 2 hours • \$5/student • Pre/Post Activities

GRADES 3 - 4

*Subjects: A/LA/SS

Culture Connection

Works of art contain stories that reflect cultural and geographic diversity both globally and close to home. Students learn how to connect the visual elements they see in art with their knowledge of the world around them to discover cultural meaning.

- cap. 35 • 2 hours • \$5/student • Pre/Post Activities



ART GALLERY OF CALGARY

Contact: Linda Hawke, Manager of Public & Education Programs

Ph: 770-1358 email: lhawke@artgallery.org

www.artgallerycalgary.org

Availability: Monday-Friday, 9 am – 3 pm

**GRADES
4-6**

*Subjects: A/SS/Sc

View Finders

Art provides excellent opportunities to look at issues from another’s point of view, to develop and share opinions, and to learn from the observations of others. Technical aspects of art such as light and shadow are examined and interpreted. With multiple perspectives as references, students develop and express their own opinions to find personal meaning.

- cap. 35 • 2 hours • \$5/student • Pre/Post Activities

**GRADES
4-9**

*Subjects: A/LA

Image to Imagination

Stories are everywhere in art once you know how to look for them! Using original works of art as sources, students learn how to gather and use visual information to develop characters and create stories. Gallery activities integrate looking and literacy, sharpening observation skills while building vocabulary and encouraging originality.

- cap. 35 • 2 hours • \$5/student • Pre/Post Activities

**GRADES
5-9**

*Subjects: A/Sc

It’s a Materials World

Materials used by contemporary artists run the gamut from oil paint and carpet underlay to household food wrap and artificial snow! The medium an artist chooses is often closely linked to the message he or she intends to convey. Students investigate original contemporary art and experiment with the properties of unconventional art media to explore structure, design, and meaning.

- cap. 35 • 2 hours • \$5/student • Pre/Post Activities

**GRADES
10-12**

*Subjects: A/LA/SS

Frames of Reference

Some say art reflects the time in which it was created. If that is so, what does contemporary art say about today? Students explore the contexts, media, and subject matter of today’s art. They investigate language as a material artists use, just like paint or clay. They observe, record, and respond to the art of our times, and experiment with new forms of expression to make their own statements.

- cap. 35 • 2 hours • \$5/student • Pre/Post Activities



BOW HABITAT STATION

Contact: Sarah Hiuser

Ph: (403) 297-6561 Fax (403) 297-2839

www.bowhabitat.gov.ab.ca

[email:bowhabitat.info@gov.ab.ca](mailto:bowhabitat.info@gov.ab.ca)

Bow Habitat Station is a unique “eco-park” located along the Bow River that is three facilities in one: The **Sam Livingston Fish Hatchery**, which raises nearly 3 million fish each year; the **Pearce Estate Park Interpretive Wetland (PEPIW)**, an outdoor classroom with representatives of Alberta’s aquatic habitats, as well as interpretive trails and signs; and a **world-class visitor centre** about freshwater, fish and aquatic habitats (opening spring 2006). Staff-led, hands-on, curriculum-based programs, available on site or in your classroom, offer opportunities to learn about animal life cycles, fish biology, wetlands, aquatic ecology, water conservation, habitat protection and stewardship of Alberta’s natural resources. Each of our programs is delivered by experienced BHS education staff. All materials and equipment required is provided.

GRADE
3

*Subjects: Sc/Art

Trout on Tour (Nov 1-March 17)

BHS staff will bring at least two living stages of trout to your school (eggs, alevins, fry, fingerlings or juveniles). Through presentations, hands-on activities and close observation, your students will discover the life cycle of trout right in your own classroom. There is a travel surcharge for schools outside the Calgary city limits.

- cap. 30 • 1 hour
- \$60-1 Program, \$90-2 Programs, \$120-3 Programs, \$150-4 Programs

GRADE
5

*Subjects: Sc/LA

Swamp Bugs and Cattails - Wetland Studies

On this full day outdoor field trip, students will observe and identify wildlife at a pond, go critter dipping to discover aquatic invertebrates and learn to identify aquatic plants through touch as well as sight. Using PEPIW as an outdoor classroom, students will gain a deep appreciation for the interactions between the living and non-living components of wetlands.

- cap. 30 • 4.5 hours • \$160
- Sept 12-Oct 14, May 16-June 23

GRADE
5

*Subjects: Sc/LA

Ducks’n Critter Soup - Wetland Studies

A half day outdoors will give your students an opportunity to observe wildlife of the wetlands and go critter dipping for aquatic invertebrates. Using PEPIW as an outdoor classroom, students will gain a better understanding of a wetland community.

- cap. 30 • 2.5 hours • \$90
- Sept 12-Oct 14, May 16-June 23

To book a program: Phone Sarah at (403) 297-6561 or book online at www.bowhabitat.gov.ab.ca

The Bow Habitat Station gratefully acknowledges the City of Calgary, BP Canada Energy Company, Ducks Unlimited Canada, and the Sam Livingston Fish Hatchery Volunteer Society for their support of the Pearce Estate Park Interpretive Wetland project and BHS education programs.



CALGARY HUMANE SOCIETY

Contact: Ivanna Ferris Ph: 250-7912 ext. 343

email: educator@calgaryhumane.ca Website: www.calgaryhumane.ca

**GRADES
ECS - 2**

*Subjects: All

My Pet and I - Friends for Life OR Family Tails

Students demonstrate ways in which animals show their feelings. A flannel-board activity illustrates what pets need to be happy and healthy. Includes a tour of the Animal Shelter, a video called Pet Pals and the stories of Koko and Camille.

**Guest Speaker at your school - \$30.00.

-
- cap. 30
 - 1 Shelter Tour
 - \$2/person
 - Pre/Post Activities

**GRADES
1 - 6**

*Subjects: LA/Sc/SS

Hot Dogs - Cool Canines

This program focuses on special seasonal needs of animals. Discussions include planning for vacation, dogs in hot cars, exercising, seasonal dangers and more.

**Guest Speaker at your school - \$30.00.

-
- cap. 30
 - 1 Shelter Tour
 - \$2/person
 - Pre/Post Activities

**GRADES
4 - 12**

*Subjects: LA/Sc/SS

Legal Beagles

Students discover there are laws dealing with animals at the municipal, provincial, and federal levels of government. A tour of the Animal Shelter, a discussion of the Humane Society's role in animal protection and a film are included.

**Guest Speaker at your school - \$30.00.

-
- cap. 30
 - 1 Shelter Tour
 - \$2/person
 - Pre/Post Activities

**GRADES
4 - 12**

*Subjects: LA/Sc/SS

The 3 R's of Animal Welfare

Respect, rights and responsibility are the 3 R's of animal welfare. Students explore the needs of living things and find that humans can act humanely toward all living things. Shelter tour and animal issues discussion with emphasis on domestic animals.

**Guest Speaker at your school - \$30.00.

-
- cap. 30
 - 1 Shelter Tour
 - \$2/person
 - Pre/Post Activities

**GRADES
4 - 6**

*Subjects: CH/LA/SS

Reporting For Duty

Students will look at some breeds of work dogs and discover the history of their breed.

**Guest Speaker at your school - \$30.00.

-
- cap. 30
 - 1 Shelter Tour
 - \$2/person
 - Pre/Post Activities

**GRADES
4 - 9**

*Subjects: LA/Sc/SS

Be Cool - Not Cruel

Students explore the role of pets in our society. Calgary animal statistics are used to illustrate that animals are sometimes treated as disposable products.

**Guest Speaker at your school - \$30.00

-
- cap. 30
 - 1 Shelter Tour
 - \$2/person
 - Pre/Post Activities

**GRADES
6 - 9**

*Subjects: LA/Sc/SS

Protecting the Web

Students explore the interconnectedness of living things using the video PROTECTING THE WEB. The ways in which humans use animals are discussed.

**Guest Speaker at your school - \$30.00.

-
- cap. 30
 - 1 Shelter Tour
 - \$2/person
 - Pre/Post Activities

CALGARY OUTDOOR SCHOOL CONSORTIUM



Contact: Nestor Kelba Ph: 777-7117

* Cost per student includes room and board, site staff instruction, counsellors, In-service materials, transportation, teacher preparation and GST.

GRADES
4 - 6

*Subjects: EOE/Sc/SS

Earthkeepers at Silver Creek Ranch (available Sept. - June)

Earthkeepers provides students with four “keys”: which help them to live in closer harmony with the Earth. This Institute for Earth Education program uses four basic ecological concepts to better prepare students to face the environmental challenges of tomorrow. This program involves a site and school component which facilitates student learning at the site, in their home, and at school.

• **cap. 90** • **4 Days** • **\$161** • **Pre/Post Activities**

GRADES
4 - 6

*Subjects: EOE/Sc/SS

Silver Creek Ranch Outdoor School (available Sept. - June)

Located near Water Valley, Alberta, this program offers forestry, wetlands, sky science, the animal game, orienteering, a log cabin experience, day hikes, a ropes-and-challenge course, earthwalks, and much more. Winter programs offer snowshoeing cross-country, winter overnights, snow studies and all the regular outdoor school programs. Silver Creek Ranch prides itself on its cozy atmosphere and great home-cooked food. The Outdoor School Program offers flexibility so that schools may tailor-make the program to suit their needs. Silver Creek can accommodate 90 students and includes four to five resource staff.

• **cap. 90** • **3 - 5 Days** • **\$134 - \$164** • **Pre/Post Activities**

GRADES
4 - 6

*Subjects: EOE/Sc/SS

Kamp Kiwanis Outdoor School (available May. - June. Offered as a day or overnight program)

Kamp Kiwanis will offer Day Trips in Division II Wetlands, Division I Environmental Awareness and Science, cross country skiing, leadership, band camps, school specific programs and teacher professional days. Two to five day residential programs include band and choir camps, instruction in French, multicultural leadership, outdoor pursuits, regular outdoor school, and school specific programs such as late immersion, junior high environmental and outdoor education or high school leadership.

• **cap. 70-140** • **2 - 5 Days** • **cost varies** • **Pre/Post Activities**

GRADES
4 - 6

*Subjects: EOE/Sc/SS

Earthkeepers en Francais or Eneenglish at Kamp Kiwanis

Earthkeepers is the most widely referenced environmental learning program in existence. The program’s aim is to help young people live more in harmony with earth through acquiring the four keys to becoming Earthkeepers. Kamp Kiwanis offers the latest piloted versions of activities. Engaging conceptual encounters and immersion experiences are included. Earthkeepers is a published program designed by The Institute for Earth Education.

• **cap. 100** • **3-4 Days** • **\$155-166**

CALGARY OUTDOOR SCHOOL CONSORTIUM



Contact: Nestor Kelba Ph: 777-7117

Environmental Awareness Day Trip Program at Kamp Kiwanis

Available Oct., May & June

This program is interdisciplinary in nature but most especially the topics listed on the left.

- Habitats and communities
- Activities to sensitize the students to the natural world
- Orienteering activities that deal with mapping skills
- Survival studies to teach presence of mind in the out-of-doors
- Initiative tasks and cooperative games to build group skills
- Nature exploration that increases flora and fauna awareness, allows river, creek and pond observation and focuses on similarities and differences in nature, habitats and communities life cycles and change.
- Basic ecology

**GRADES
ECS - 5**

*Subjects: EOE/SS/Sc/LA/PE

Levels: Beginner (ECS), Beginner Plus (Grade 1), Intermediate (Grade 2), Advanced (Grade 3), Advanced Plus (Grade 4), Wetlands (Grade 5)

-
- cap. 40-180 • 4 hours • \$13/child • Pre/Post Activities

Sunship Earth - Earth Harmonies at Kamp Kiwanis (Oct. & Nov. Offered as a day or overnight program)

The updated and revised Sunship Earth - the Earth Harmonies Program - is an Institute for Earth Education program designed to encourage students to examine their personal impact on the earth while developing a better understanding of seven key ecological concepts. Earth Harmonies is the comprehensive follow through program that improves opportunities for follow up teaching and reduces the "island" experience. Several new activities and many of the excellent activities from the original Sunship program are included. This program will accommodate up to 95 students per week.

**GRADES
5 - 6**

*Subjects: EOE/Sc/PE/SS

-
- cap. 60-75 • 4 Days • \$170 • Pre/Post Activities

Sunship III-Perceptions and Choice for the Journey Ahead - New in 2003 (available May-June, day or overnight program)

Sunship III is a cross curricular environmental learning program that addresses the unique social and educational needs of 12-13 year olds. Activities focus on Sky Science, Trees, and Forests, Evidence and Investigation, Planet Earth, Interactions and Ecosystems, Plants for Food and Fibre and Heat and Temperature as well as Art, Music and Physical Education objectives. Activities include: Cycle Factory, Museum Project, Solarville, Object Trouve and as well as unique Commencement and Graduation ceremonies. Pre and Post trip activities and materials included. Excellent program for Grade VI and VII.

**GRADES
6 - 8**

*Subjects: EOE/SS/Sc/A/PE

-
- cap. 141 • 3-4 days • \$151-\$166



Calgary Science Network (CSN) is committed to inspiring an active, life-long interest in science and technology. CSN will provide a positive science experience to students and teachers through direct interaction with scientists and engineers. Partnering with volunteers from the science, engineering, education and business communities, CSN programs bring science to life.

**GRADES
ALL**

*Subject: Sc

Scientist-in-the-Classroom

"The scientists bring the curriculum to life – and reality beats virtual science!"

Volunteer scientists provide fun, interactive presentations at no cost to 15,000 students yearly. They add depth to the science curriculum, give real life examples, stimulate student thinking about science, and expose students to many science and engineering related careers. Teachers learn from the volunteers too—benefiting future classes. Six weeks notice assures the best possible match.

**GRADES
7 - 12**

*Subjects: Sc

Junior and Senior High Science & Technology Presentations

Scientists, Engineers, Mathematicians, and Professors from the University of Calgary, Mount Royal College, Southern Alberta Institute of Technology, the City of Calgary, Inside Education and local engineering firms team up with teachers to produce short presentations connecting a curriculum unit to recent research and new technology. This provides excellent opportunities for curriculum enrichment and extension. Topics and instructions for booking a presentation can be found on our web site.

**GRADES
1 - 6**

*Subject: Sc

Leonardo/Explorer Projects (Undergraduates in the Schools)

These are joint initiatives between the Calgary Science Network, the Calgary Public and Separate School Boards, and the University of Calgary. In the Leonardo Project (Biology) and Project Explorer (Geography), upper level biology or geography undergraduates are placed in adopted schools for a semester to work with teachers and students as content specialists. The undergraduates provide a unique science or geography perspective, and develop resource materials that are left in the schools. Past projects include such varied topics as glaciation, birds, ecology field trips, science clubs, natural structures, Plus 15s and mapping. Projects are tailor-made to each classroom, involve a science curriculum unit linked to the expertise of the undergraduate and run during the university winter semester (January–April). Information and application forms are on our web site. Schools are encouraged to apply by early fall as space is limited.

**GRADES
All**

*Subject: Sc

Additional Programs

- Science Fair Judging
- Guidance with and leadership for science field trips
- Mentoring
- Answering difficult science questions
- Aboriginal Science Outreach (Treaty 7)

• **All of the above programs are free and available on a first come first served basis. Information and request forms are at www.calgarysciencenetwork.ca or call 263-6226**



Cantos Music Foundation

Contact: Ingrid Kincel Ph 543-5119

Isobel Weldon Hogue Ph 543-5123

www.cantos.ca

**GRADES
3**

*Subject: Sc

Good Vibrations

Focusing on the Alberta Learning Grade 3 Science unit “Hearing and Sound”, Good Vibrations is a hands-on, interactive, half-day program that takes advantage of the Cantos Music Collection and our resident music experts to explore concepts of acoustic and electronic sound production. Every student has the opportunity to hear, feel, see and create music in this highly successful program

-
- cap. 60
 - 2.5 hours
 - \$3/child
 - Pre/Post Activities

**GRADES
4-6**

*Subject: Ma

Measure 4 Measure: discovering math in music

The newest offering in our on-site, half-day school series, our new math and music program for grades 4, 5 and 6 addresses all four strands of the Alberta Program of Studies for Division II mathematics. Through hands-on activities with our keyboard collection, this fresh offering encourages students to discover and understand the math that permeates music and the world around them.

-
- cap. 60
 - 2.5 hours
 - \$3/child
 - Pre/Post Activities

**GRADES
4-6**

*Subject: Music

Music Matters: harmony, form and improvisation

Our MusicMatters program for schools directly supports the grades 4, 5 and 6 Alberta Learning music curriculum. Through drama and lesson plans students achieve a clearer understanding and appreciation of several essential musical concepts. The program comprises both a performance in the schools and a performance at the Jack Singer Concert Hall during which students experience the mighty Carthy Organ, one of Calgary’s musical treasures. Three themes are addressed over 3 years, one per year.

-
- \$3/child
 - Pre/Post Activities

**GRADES
7-12**

*Subject: Music

Music Through the Ages: A Look at How Music Developed Over Time

This tour takes a chronological look at the social and musical history surrounding certain key instruments in our collection. Discussion will be centered around the development of keyboard instruments, their various mechanisms for producing sound, and compositional and performance practices of the 16th through 21st Centuries. The content and theme of the program can be modified to better support your particular interests. For instance, tours can be shaped to:

- Incorporate singing with historical keyboard accompaniment
- Place emphasis on the technology behind electronic instruments

-
- cap. 20
 - 1.5 hour
 - \$3/child



THE CITY OF CALGARY ANIMAL & BYLAW SERVICES

Contact: Dolly Hussey Ph. 268-1096

www.calgary.ca/animalservices

**GRADES
ECS - 6**

*Subject: CH

Paws for Safety Dog Bite Prevention Presentation

The goal of this interactive safety presentation is to reduce the number of dog bite incidents by teaching students safe behaviour around dogs. Learning objectives include: the role of Animal Services, dealing with stray dogs, reasons dogs bite, what to do when approached by a stray dog and safely meeting a dog who is with its owner

* Guest educator at your school: no charge.

-
- cap. 60
 - 45 minutes - 1hr.
 - Post Activities

**GRADES
4 - 6**

*Subject: SS, CH

Graffiti Awareness Presentation

Graffiti is a growing urban problem which impacts all of us socially, emotionally and financially. The focus of this awareness and prevention presentation is teaching responsible citizenship as it relates to graffiti. Students learn what graffiti is, why people do graffiti, how it affects neighbourhoods or individuals, and what they can personally do about graffiti.

* Guest presenter at your school: no charge.

-
- cap. 60
 - 60 minutes
 - Post Activities

**GRADE
6**

*Subject: SS

Freedom City Presentation

This curriculum based presentation correlates with Grade 6 Social Studies Topic A: Meeting Human Needs: Local Government. Curriculum correlations are listed on our website. Students are introduced to daily life in the fictional city of Freedom where there is no system of government, but a multitude of citizen concerns. Students analyze sketches of Freedom to determine if the concerns are valid, they write bylaws and look at Calgary's bylaws around similar issues.

*Guest educator at your school: no charge

-
- cap. 1 class
 - 90 minutes.
 - Post Activities

**GRADE
6**

*Subject: SS

Junior Bylaw Project

This curriculum based presentation correlates with Grade 6 Social Studies Topic A: Meeting Human Needs: Local Government. The curriculum correlations are listed on our website. Students are engaged in a problem solving process that simulates the citizen engagement process used by the City. At the initial visit, community concerns are discussed and the related City bylaws explained. Students work on a neighbourhood issue and we return to discuss the projects. Freedom City is a prerequisite for this program.

*Guest educator at your school: no charge

-
- cap. 1 class
 - initial visit: 60 Mins, final visit: 90 Mins
 - Post Activities

**GRADE
1**

*Subject: Sc

Dogs in our Society

This curriculum based presentation correlates with Grade 1 Topic E: Needs of Animals and Plants. Curriculum correlations are listed on our website. We look at the role of dogs in our society and our responsibility to care for them. Students also learn how to be safe around dogs

-
- cap. 1 class
 - 60 minutes
 - Post Activities

**GRADES
K - 6**

*Subjects: A/EOE/Sc

“Touchwood” A musical extravaganza about Alberta’s Trees & Forests.

Day program- touring Calgary area October 3 to December 9, 2005

It’s a perfect day in the Boreal Forest. Perfect that is until ...**FIRE!** What happens to saplings Needles and Leaves after Wildfire blows through? Sing about *succession* with Fireweed, get funky with Fungus about the *soil cycle*, and help our heroes battle the Pine Bark Beetle to help save the forest from its number one enemy – climate change.

Take the science & theatre integration farther with the full-day program that includes the one hour-long show and 6-classroom workshop based on the Alberta Learning curriculum.

-
- cap. 350
 - 1 day
 - \$499 Calgary/Edmonton- \$699 out of town
 - Pre/Post Activities

“How the West was FUN”

Limited time only! - touring September 19-October 21, 2005 throughout Alberta.

Join Beaver & Bison as they help celebrate Alberta’s Centennial through the people and places, resources and rivers that carried history westward. See the history of our province through the eyes of the natural resources that brought human beings to the west. This musical theatre program explores the history of Alberta before it became a province. From the paleo-cultures through the fur-trade, explorers, NWMP, ranchers, settlers and miners, “How the West was FUN” will introduce students to our local history pre-1905.

-
- cap. 350
 - 1 day
 - \$199 Calgary/Edmonton- \$299 out of town
 - Pre/Post Activities

**GRADES
K - 6**

*Subjects: A/EOE/Sc

Pond Scum, Inc

Touring Calgary area January 16-March 24, 2006.

Everything is going swimmingly for Pond foreman, Wally M. Mallard. That is until he hears that head office is sending an expert to evaluate the wetlands. What happens when the misdirected Pamela Pave-It arrives on the scene ~ determined to build a new super-mall? Join Wally as he gathers the troupes of dancing damselflies, tap-dancing tadpoles and bongo-drumming beavers to prove, once and for all, that water and wetlands are vital to clean, healthy water for all of us. Pond Scum, Inc. will be presented to elementary schools throughout Alberta, beginning in January 2006 and touring until June 30th. Each participating school will be challenged to become “Drip Detectives” and take on water waste in their schools and homes.

-
- cap. 350
 - 1 day
 - \$199 Calgary/Edmonton- \$299 out of town
 - Pre/Post Activities

**GRADES
K - 6**

*Subjects: A/EOE/Sc



ALBERTA PARKS AND PROTECTED AREAS

Contact: Fish Creek Environmental Learning Centre Ph: 297-7827
Kananaskis Country Environmental Education Ph: 678-5508 ext.284

Alberta Parks and Protected Areas

Provincial parks and protected areas are ideal “outdoor classrooms.” Teachers can use self-prepared lessons with their students at all provincial parks and recreation areas. A number of parks offer environmental education programs and services, either as staff-led programs or staff-assisted, teacher-led field trips. For information and a detailed description of the programs offered, check out the following websites or call the individual park directly:

Year Round Programs

Fish Creek Provincial Park - www.fish-creek.org (403-297-7927)

Fish Creek Provincial Park operates the Fish Creek Environmental Learning Centre (FCELC) providing school programs for Kindergarten to Junior High throughout the year with a focus predominantly on the environment and science topics. Additional programs are offered from the Bow Valley Ranch Visitor Centre and also include archaeology, recent human history and social studies topics. The 24 experiential programs are based on the curriculum set by Alberta Learning for each grade level. They also focus on the four goals of Alberta Parks and Protected Areas: preservation, heritage appreciation, heritage tourism and outdoor recreation. The FCELC offers the **Taking It Outside** professional development workshop series offering educators hands-on experiences with the natural world and instruction from experts in environmental studies. Some public programs are also offered in other areas of the park. The FCELC can also be booked for self-directed professional development workshops.

Check our website for complete program descriptions.

Kananaskis Country - www.cd.gov.ab.ca/parks/kananaskis (403-678-5508)

The Environmental Education program in Kananaskis Country develops and presents educational programs and support materials that increase environmental awareness, understanding and stewardship of the natural world. Throughout the year, professional development workshops are also delivered to assist teachers in leading environmental education programs. Check our website for more information and a complete program description.

Check our website for complete program descriptions.

Seasonal Programs

Cypress Hills Provincial Park - www.cd.gov.ab.ca/parks/cypresshills (403-893-3777)

Dinosaur Provincial Park - www.cd.gov.ab.ca/parks/dinosaur (403-378-4342)

Alberta Sustainable Resource Development and Alberta Environment also have sites that offer environmental education programs. For more information visit: www.gov.ab.ca/env/resedu/links/cfm

Edu-Kits

A **Wolf Edu-Kit** and a **Raptor Edu-Kit** are available for loan to educational groups for \$25.00 per week. Each kit contains lesson plans, bio-facts, a resource library and creative props. Contact the Fish Creek Environmental Learning Centre at 297-7827 to reserve either of these kits.



FORT CALGARY

Contact: Visitor Services Ph: 290-1875
email: info@fortcalgary.com www.fortcalgary.com

Fall 2005 New Programs, Grades 2 and 3

Watch for program changes to meet curriculum needs in September, 2006.

GRADES K - 1

*Subjects: SS/LA

*The Buffalo

The big brawny buffalo provided for all the basic needs of the Siksika and Tsuu T'ina people. Learn how they depended on the buffalo for food, clothing, shelter, and tools.

- cap. 30 • 1.25 hours • \$3.50/student • Pre/Post Activities

GRADE 1

*Subject: Sc

Building Calgary

The people of early Calgary chose to use a variety of building techniques and materials. The Fort Calgary Museum houses examples of vertical and horizontal log construction frame buildings with wooden siding as well as brick and sandstone structures. The children will physically imitate these building styles with their bodies as they view the buildings. The group will also construct a large model log cabin with complete with 'sod' roof.

- cap. 30 • 1.25 hours • \$3.50/student • Pre/Post Activities

GRADE 1

*Subjects: Sc/SS

Log Cabin Living

This program incorporates problem solving through 1800's technology. Thinking as settlers the children must choose necessary items to take to a new homestead near Fort Calgary. Upon their "arrival" they construct a log cabin (model) made of local building materials.

- cap. 30 • 1.25 hours • \$3.50/student • Pre/Post Activities

GRADE 2

*Subject: SS

*Calgary - A Prairie Community

Wearing costumes of traditional clothing, students discover the cultures of the diverse people who lived in the early Calgary Community. Students will interact with artifacts as they learn about the goods and services of the new Prairie Community.

- cap. 30 • 1.25 hours • \$3.50/student • Pre/Post Activities

GRADE 3

*Subject: SS

Four countries Celebrate

Try on costumes of the traditional dress of Peru, India, Ukraine and Tunisia, handle artifacts from the countries and learn about celebrations that are observed in these cultures.

- cap. 30 • 1.5 hours • \$3.50/student • Pre/Post Activities

GRADE 4

*Subjects: SS

*The Calgary Community

Four groups of people worked together to create the new community of Calgary. Students learn the story of how these groups interacted by using maps, models and artifacts.

- cap. 30 • 1.5 hours • \$3.50/student • Pre/Post Activities



FORT CALGARY

Contact: Visitor Services Ph: 290-1875
email: info@fortcalgary.com www.fortcalgary.com

**GRADE
4**

*Subject: SS

*Buffalo: A Way of Life

The Sikiska and Tsuu T'ina people depended on the buffalo for food, clothing, shelter, tools and utensils. Learn how they used the natural resources around them and how their life changed when the bison disappeared.

-
- cap. 30
 - 1.5 hours
 - \$3.50/student
 - Pre/Post Activities

**GRADES
4 - 5**

*Subjects: SS/LA

Life and Times of Captain Deane

Learn about the historic Deane House and discover what life was like for a NWMP constable on patrol. Dress-up in clothes of the past, and get a feeling for life in a Calgary home at the turn of the century.

-
- cap. 30
 - 1.5 hours
 - \$3.50/student
 - Pre/Post Activities

**GRADES
5 - 6**

*Subjects: SS/LA

*Settling the West

An introductory activity will reinforce what the students have learned in the classroom about the early exploration and settlement of Canada. To enrich their understanding of how Western Canada was settled the children will do research on individuals who settled here using historic journals, letters and newspaper articles. Dressed in costumes the children share what they've learned.

-
- cap. 30
 - 2 hours
 - \$3.50/student
 - Pre/Post Activities

**GRADES
5 - 6**

*Subject: SS

Archaeology

Experience what it is like to be an archaeologist searching for information on prehistoric and historic people. Uncover artifacts buried in the sand, then record and analyze your finds. Learn about the tools and methods used by archaeologists. Find out about archaeological excavations in Alberta.

-
- cap. 30
 - 2 hours
 - \$3.50/student
 - Pre/Post Activities

**ALL
GRADES**

Hands-on Tour and Activity

We invite you to participate in a child oriented tour of the Museum storytelling, costumed characters, and historic activities. Combine a Museum Tour with a School Program for a full day of excitement and adventure.

-
- cap. 30
 - 1.5 hours
 - \$3.50/student

ESL and Special Needs Classes

We are happy to customize a visit to Fort Calgary to suit the needs of your class.

*Aboriginal Studies

These programs assist in fulfilling the expectations of the CBE Aboriginal Policy. CBE and CCSD classes can also borrow an [Aboriginal Resource Kit](#) through their Aboriginal Liaison offices. Private and rural schools can borrow a kit from Fort Calgary.

Equal Access Program

Thanks to an Anonymous Donor, Fort Calgary is able to provide assistance with program fees for economically disadvantaged schools or individual students. Transportation assistance is also available to qualifying schools. Call 290-1875 for more information.

Calgary Heritage Award

Fort Calgary School Discovery Program has received the 2003 Calgary Heritage Award for Education.



GRAIN ACADEMY

Contact: 263-4594

**GRADES
1 - 12**

*Subjects: LA/Sc/SS

Food on the Move

Using our 35-metre-long railway model, areas of discussion include: Canada's rail transportation system, Canadian transportation solution, costs and volumes of exporting grain, major markets for Canadian grain and the future of Canada's export grain business.

-
- cap. 35
 - 15 mins
 - Free
 - Pre/Post Activities

**GRADES
1 - 12**

*Subjects: LA/SS

What is Grain?

To answer this question, we use our visual learning centre showing the diverse uses of grain and oil seeds. All major grains of importance to mankind are discussed, and students are encouraged to identify and determine the uses of grain. Quality factors and grading systems are also discussed.

-
- cap. 35
 - 15 mins
 - Free
 - Pre/Post Activities

**GRADES
1 - 12**

*Subjects: A/EOE/LA/Sc/SS

What in the World?

A tour of our artifact walls, guided by an interpreter, helps students identify tools and equipment used by the early farmers of Alberta. Students are encouraged to ask questions, and some artifacts are specifically labelled to stimulate speculation.

-
- cap. 35
 - 15 mins
 - Free
 - Pre/Post Activities

**GRADES
1 - 12, Adults**

*Subjects: Sc/SS

The Grain Elevator

The working model Elevator provides a cross-sectional view of a Grain Elevator. It's a revealing look at the working parts of the "Prairie Sentinel".

-
- cap. 35
 - 10 mins
 - Free
 - Pre/Post Activities

**GRADES
1 - 12**

*Subjects: LA/Sc/SS

History of Farming

The early history of farming is covered in an introductory 15 minute video.

-
- cap. 35
 - 15 mins
 - Free
 - Pre/Post Activities

**GRADES
1 - 9**

*Subjects: LA/Sc/SS

Our Daily Bread

This program takes grain use one step further than the "What is Grain?" display. Students move through 4 areas: The Grain Hut, Seeds of Alberta, Mars Bars and Beer, and the Old Flour Mill. Each area is designed to enhance the impact of grain on our daily lives.

-
- cap. 35
 - 30 mins
 - Free
 - Pre/Post Activities



INSIDE EDUCATION

Ph: 263-7720

email: info@insideeducation.ca www.insideeducation.ca

**GRADES
4 - 12**

*Subjects: EOE/Sc/SS

Jumpingpound Demonstration Forest

This full-day field trip takes place 45 minutes west of Calgary in a forested area of Kananaskis Country. Students will discover life in the forest, forest ecology and forest management issues all with the help of a forest educator provided to guide students through a number of hands-on, fun learning activities. This program is provided in partnership with Alberta Sustainable Resource Development, Alberta Forest Products Association and the University of Alberta Kananaskis Field Stations

-
- cap. 90
 - 4 hours + 1 hour each way
 - \$5/student

**GRADES
K - 12**

*Subjects: EOE/Sc/SS

Teacher Resources

A variety of curriculum-connected classroom resources are available at low or no-cost through Inside Education. Covering topics such as forests, energy (both renewable and non-renewable sources) water and more, these learning tools come in a range of formats from videos/DVDs posters and teaching guides to lesson plans and kits. These resources are designed to help students discover the inter-relationship between science, issues, development and the environment. Order online at www.insideeducation.ca

**GRADES
4 - 9**

*Subjects: EOE/Sc/SS

Adopt-A-Classroom Presentations

No-cost classroom presentations are available through Inside Education to assist students in understanding the general science, as well as the management and environmental issues related to renewable and non-renewable resources such as forests and energy. Available several times a year, these curriculum-connected, interactive and fun presentations can be tailored to many classroom situations. When booking, just let the Inside Education staff know your specific objectives.

-
- cap. 90
 - 1 hour
 - Free



LEIGHTON ART CENTRE

Contact: Ann Mercier Ph: 931-3636

**GRADES
ECS+**

*Subjects: A/EOE/SS

**GRADES
ECS+**

*Subject: A

**GRADES
ECS+**

*Subjects: A/EOE/SS/Sc

**GRADES
ECS+**

*Subjects: A/EOE/SS

**GRADES
ECS+**

*Subjects: A/EOE/LA/SS/Sc

**GRADES
ECS+**

*Subjects: A/EOE/SS

**GRADES
ECS+**

*Subjects: A/EOE/SS

**GRADES
ECS+**

*Subjects: Sc

Pioneer Program: Theme Program

Our one-room school house provides the perfect setting for children to learn about pioneer life. Crafts include: cornhusk dolls, collage landscape, tile/canvas painting.

-
- cap. 90
 - min. 4 hours
 - \$8.50/student
 - 2 crafts

Just Crafts

Crafts include: Wire Sculpture, Sketching and Painting

-
- cap. 90
 - min. 4 hours
 - \$8.50/student
 - 2 crafts

Winter: Theme Program

Learn about the winter habits of plants and animals. Crafts Include: Shingle/Tile Painting, Willow Bird Feeders, Collage Landscape.

-
- cap. 90
 - min. 4 hours
 - \$8.50/student
 - 2 crafts

Christmas: Theme Program

Crafts are to be announced in the fall.

-
- cap. 90
 - min. 4 hours
 - \$8.50/student
 - 2 crafts

Spring/Easter: Theme Program

Celebrate the warmth of springtime searching for crocus' on the hill. Crafts include: Terra-Cotta Pots, Tile/Canvas Painting and Pumpkin Seed Sunflower, Collage Landscape.

-
- cap. 90
 - min. 4 hours
 - \$8.50/student
 - 2 crafts

Fall: Theme Program

Our countryside is an ideal place to study this spectacular season. Learn how plants and animals prepare for our long winters. Crafts include: Canvas/Tile Painting, Willow Bird Feeders, Cornhusk Dolls, Terra Cota Pots and Sunflowers, Collage Landscape.

-
- cap. 90
 - min. 4 hours
 - \$8.50/student
 - 2 crafts

Native Lore Program: Theme Program

This study concentrates on the five tribes of this area. Crafts include: Native Village, Plaster Scrimshaw, Cornhusk Dolls.

-
- cap. 90
 - min. 4 hours
 - \$8.50/student
 - 2 crafts

Science Program: Theme Program

Our nature-walk is an ideal place to enhance your nature studies. Crafts include: Willow Bird Feeder, Paper Making, Collage Landscape.

-
- cap. 90
 - min. 4 hours
 - \$8.50/student
 - 2 crafts

*Please refer to page 9 for subject key



MUSEUM OF THE REGIMENTS

Contact: Carolyn Foard-McPhail Ph: 974-2869

Museum of the Regiments Education Programs.

All of our programs are customized to meet teachers' needs.

**GRADES
1 - 2**

*Subject: SS

History in Our Community

Help our puppets resolve the conflict in their village. Then learn how Calgary's monuments honour people who fight to bring peace to our world; hear the stories behind Signal Hill and Peacekeepers Park. Finally, shoulder the burden of Canada's bravest citizens. Try on a soldier's tunic and feel the weight of a United Nation's helmet.

• cap. 60 • length varies • \$3-5/student • Pre/Post Activities

**GRADE
3**

*Subject: SS

Respect Through the Eyes of Peace

Learn about global citizenship by discovering how a Canadian peacekeeper practices respect (Role, Educate, Special, Proud, Equality, Caring, Trust) as an integral part of his mission in India. Hold an Izzy doll and hear the story of how it came to be; Canada's gift to children we connect with around the world.

• cap. 60 • length varies • \$3-5/student • Pre/Post Activities

**GRADES
4**

*Subject: SS

Alberta: Its People in History

Learn about Sarcee Camp (at Signal Hill) where 40,000 men were trained in preparation for the trenches of WWI. Meet Albertan veterans and soldiers and hear their stories of WWII and Peacekeeping missions. Try on a Canadian Women's Army Corp jacket and unpack a soldier's rucksack. Printed curriculum packages available: Waging Peace

• cap. 60 • length varies • \$3-5/student • Pre/Post Activities

**GRADE
5-6**

*Subject: SS

Canadians in the World

Identify the numerous countries where Canadian soldiers and peacekeepers have made a positive difference. Take pride in Canada's role as a leader in the global effort to ban anti-personnel landmines. Wear a UN blue beret and learn to march. Feel the weight of a flak jacket and load-bearing vest.

Printed curriculum packages available: Waging Peace

• cap. 60 • min. 1 hour • \$3/student • Pre/Post Activities

**GRADE
7**

*Subject: SS

Culture and Conflict

During times of conflict societal pressures and fractures often come to the forefront. Learn about the racism that some ethnic groups faced in Canada during World War II and how Japanese and Chinese Canadians struggled to overcome these barriers. Or, grapple with the ethnic tensions faced by Canadian Peacekeepers in Bosnia.

Printed curriculum packages available: War Literature, War Poetry, Mine Action and Culture, Canada: A Multicultural Country

• cap. 60 • length varies • \$3-5/student • Pre/Post Activities



MUSEUM OF THE REGIMENTS

Contact: Carolyn Foard-McPhail Ph: 974-2869

**GRADE
8**

*Subject: SS

Canada's History

Tour the museum with a veteran and learn of the sacrifices that young Canadians have made during times of war. Handle the equipment present day peacekeepers wear in the world's hot spots. Become landmine aware.

-
- cap. 60
 - length varies
 - \$3-5/student
 - Pre/Post Activities

**GRADE
9**

*Subject: SS

Canada: Responding to Change

What do the Internet, radar, cell phones, thermal imaging and the global positioning system all have in common? They were all military innovations. Learn how conflict has driven technological change. Grapple with the contemporary challenge of landmine technology; the legacy of 20th and 21st century warfare.

Printed curriculum packages available: Canada's Peacekeepers and Landmines, Canada Responding to Change

-
- cap. 60
 - length varies
 - \$3-5/student
 - Pre/Post Activities

**GRADE
10**

*Subject: SS

Issues of Sovereignty

Walk through the trenches, see the effects of chlorine gas and learn of Canadian innovations at Vimy Ridge. Discover how Canada was tested in World War I and forged into a respected nation. Then fast forward to the 1990's and examine Canada's role in the development of the Ottawa convention to ban landmines.

Printed curriculum packages available: Canada's Peacekeepers and Landmines, Waging Peace

-
- cap. 60
 - length varies
 - \$3-5/student
 - Pre/Post Activities

**GRADE
11-12**

*Subject: SS

Conflict in the Contemporary World

In the 20th century the frontlines moved from muddy trenches to urban centres with civilians face-to-face with conflict and landmines. Hear a Canadian Peacekeeper speak on the tragedy of serving in Rwanda or listen to a soldier reflect on the challenge of peacekeeping in Bosnia

-
- cap. 60
 - length varies
 - \$3-5/student
 - Pre/Post Activities



MUSEUM OF THE REGIMENTS

Contact: Carolyn Foard-McPhail Ph: 974-2869

REMEMBRANCE PROGRAMS for Schools

The *Museum of the Regiments* offers Remembrance Programs for five weeks each fall. Booking is mandatory.

- cap. 60
- 1.5 hours
- \$3/student (min. charge of \$30 per group)
- Post Activities

**GRADES
1 - 3**

*Subject: SS

**GRADES
4 - 6**

*Subject: SS

**GRADES
7 - 9**

*Subject: SS

**GRADES
10 - 12**

*Subject: SS

**GRADES
1-6**

*Subject: SS

Meaning of Remembrance

Help our puppets resolve the conflict in their village by using words. Then learn that when words fail Canadian soldiers have had to go to war or participate in Peacekeeping Operations. Students will be introduced to the role of Canadian soldiers throughout history and appreciate the importance of commemorating Remembrance Day. Includes a guided tour through ONE gallery, a 30-minute presentation and an artifact handling session.

Flanders Fields

Learn about World War I and get a glimpse of what it was like to be in the trenches. Hear the story of Lieutenant-Colonel John McCrae's poem, "In Flanders Fields" and why the poem is still read today. Students will appreciate that the writing of diaries, letters and poems helped the soldiers cope with the intense emotions they lived with. Includes a guided tour through ONE gallery, a 30-minute presentation and an artifact handling session

Canada's Ties to the Netherlands

During the war, a strong bond of affection grew between Canadian soldiers and the Dutch people that they were liberating from German occupation. This program explains the events that led to this lasting bond and shows why it is significant today. Includes a guided tour through ONE gallery, a 30-minute presentation and an optional language arts exercise.

Keeping the Peace

In the 20th and 21st centuries Canadians have gone to the aid of friends and allies in times of conflict and war. Participants will briefly review the sacrifices made by Canadians during the two World Wars and the Korean War. We will then look at Canada's current role in peace support operations with the United Nations and with NATO. Includes a guided tour through ONE gallery, a 30-minute presentation and an artifact handling session.

SPECIAL PROGRAMS

Blue Beret Experience

Be a Peacekeeper for a day! Engage in marching drills and complete Basic Training to earn your United Nations blue beret. Then try on authentic uniforms, handle artifacts and complete a UN reconnaissance mission in our bunker. Lunch included.

- minimum 10
- 10 am - 3pm
- \$24/student



QUEST THEATRE SOCIETY

Contact: Tour Coordinator Ph: 264-8575 ext. 22
email: qtheatre@telusplanet.net Prices do not include GST
www.questtheatre.org

**GRADES
K - 6**

*Subjects: CH/A/LA/SS

Lig & Bittle by Elyne Quan and Jared Matsunaga-Turnbull **- Touring October 13 - December 5, 2003**

Lig & Bittle simply don't fit in. Lig is way too big and Bittle is way too small. People make fun of them at school, on the street and even at home. They both dream of being "normal". Their dreams come true when they travel to a special place where they can "fit in" and be like everyone else - but they must surrender their individuality to do so. *Lig & Bittle* is a charming, funny musical play that explores the frustration and joy of being different.

-
- cap. 400 • 1 hr • \$575 (in Calgary) \$675 (Out of Calgary)
 - Pre/Post Activities

I Met a Bully on the Hill by Martha Brooks and Maureen Hunter **- Touring February 9 - April 23, 2003**

A young girl, new to the city, encounters a bully on her way to school. She enlists two new friends to help her deal with the actions of the bully. Through their ordeals, they debate, attempt, discard and review coping strategies until a workable solution is found. This engaging and honest play tackles an important issue that affects many young people in schools and communities today - bullying.

Schools have the option to purchase an afternoon workshop to accompany this presentation. Please see below for more details.

-
- cap. 400 • 1 hr • \$575 (in Calgary) \$675 (Out of Calgary)
 - Pre/Post Activities

Bullying Workshop

We can start the day with a performance of *I Met a Bully on the Hill* by Martha Brooks and Maureen Hunter, and continue throughout the day with in-class, hands-on workshops. The company, trained by Martha McManus of the *Conflict Resolution and Communication Centre*, will lead each class in a participatory workshop on bullying and learning how to resolve conflicts with integrity.

To add the workshop component please add an additional \$800.00 + GST to the performance fee.

AFA funding may be available for schools who choose the play and the workshop. Please contact the AFA directly at (780) 427-6315 in Edmonton or Toll Free at 310-0000 and follow the automated instructions.

**GRADES
K - 6**

*Subjects: CH/A/LA/SS



SPACEPORT - CALGARY INTERNATIONAL AIRPORT

Contact: Eden Vogan Ph: 717-7678

Experience science and the latest developments in aviation, high technology, communication and space exploration. SpacePort's programs are Alberta curriculum based and involve stage shows and workshops for instruction. Grade levels for the school programs range from 2 to 9. Featured on loan from NASA is the one quarter size prototype of the space shuttle orbiter, as well as a moon rock from one of the Apollo missions.

The SpacePort school programs address multiple learning styles, are interactive and draw on the personal experiences of the students in order to ensure they are inspired to learn while having fun. Students have the opportunity to engage in hands-on activities that support the development of knowledge, science inquiry and problem-solving skills. These quality programs make use of newer teaching methods and at the same time reflect the relevance and excitement of the unique SpacePort environment at the Calgary Airport. The programs support Alberta curriculum topics in science including space exploration, air and aerodynamics, mechanical systems, technology systems, flight, motion changes and matter and chemical changes.

**GRADES
4, 6, 9**

*Subject: Sc

Rocket Lab Stage Show

Multimedia presentation and discussion on: the origin of rockets, concepts of energy, forces, gravity, and Newton's Laws of Motion. The lab is designed to focus on the physics of launching rockets into space.

- Capacity - 60
- 30 - 45 minutes

**GRADES
2 - 9**

*Subject: Sc

Living in Space Stage Show

Students will explore how astronauts live & work in a micro-gravity environment. The presentation includes video footage, demonstrations, & audience participation in order to demonstrate life in space. Focus is on the Space Shuttle, Mir & International Space Stations.

- Capacity - 60
- 30 - 45 minutes

**GRADES
4, 6, 9**

*Subject: Sc

Rocket Lab Workshop

Exploration of energy and forces, as well as basic chemistry are used to see how a rocket gets into space. Students will engage in scientific enquiry while applying skills in problem solving, experimental design, and group cooperation to develop an understanding of how rockets work.

- Capacity 30
- 1 - 1.5 hours

**GRADES
2 & 7**

*Subject: Sc

Living in Spacesuits Workshop

Students will become members of a team of scientists and engineers responsible for developing a spacesuit capable of protecting astronauts in the extreme environments of space. Students will conduct fair tests, gather and analyze data, and report their results.

- Capacity 30
- 1 - 1.5 hours

**GRADES
4 & 8**

*Subject: Sc

Problem-Solving In Space Workshop

Students will envision that there has been a successful manned landing on Mars. Unfortunately, there are many problems that they, as engineers, must overcome. This workshop is designed to give students the opportunity to use their knowledge of forces and machines to work out the problems.

- Capacity 30
- 1 - 1.5 hours

**GRADES
6 & 7**

*Subject: Sc

Earn Your Wings to Flight Workshop

Students will rotate through five different hands on and interactive workstations. This visually captivating workshop directs students in exploring the properties of air, Bernoulli's principle of lift, aircraft control surfaces, the differences between spacecraft and aircraft, and the distinctive structure and properties of bird bones.

- Capacity 30
- 1 - 1.5 hours

TELUS World of Science

(formerly the Calgary Science Centre)

Contact: School Program Coordinator

Ph: 268-8329 or 268-8311

www.calgaryscience.ca

*Subject: Sc

DISCOVERY DOME THEATRE SHOWS

The Discovery Dome Theatre features a 20 metre screen which surrounds audiences with spectacular images and fabulous sound.

In My Backyard (ECS)

Join Fred Penner on video as he explores the night sky. Learn about the seasons, Ursa Major, planets, meteors and the Moon.

Singing Seasons (Grade 1)

Forest Ranger Don helps Gail (a visitor from Australia) understand why we have seasons and how plants, animals & people adapt to the changing weather.

The Halloween Show (Grades 1-6)

Explore some of the history and traditions of Halloween, the fall and winter constellations and the phases of the moon.

The Incredible Critter Show (Grade 2)

Students learn what makes insects so special, what their needs are and what methods they use to survive.

The Sensational Sound Show. (Grade 3)

Lend an ear to the topics of pitch, materials that sounds travel through, musical instruments and those good, good vibrations.

A Midnight Clear (Grades 3 & up)

Learn about the Christmas Star. See how to locate the Big Dipper, the North Star and other winter constellations.

Dr. Fantastic's Light & Shadow Show (Grade 4)

With Dr. Fantastic you will investigate the sources of light, how shadows occur, transparent and opaque materials, reflection, refraction and optical devices.

Weather Whys (Grade 5)

Explore why warm air rises, forms of precipitation, methods for measuring weather phenomena, daily and seasonal changes and the impact we have on our climate.

Look Up! ... The Sky Science Show (Grades 6 & up)

Topics covered include seasonal changes, the motion of the Sun and stars as well as Moon phases. Explore constellations, planets and moons of our solar system.

Quest for Origins (Grades 7 & up)

Quest for Origins presents the latest research into the origins of planets, stars, galaxies and the whole universe. Also available in French by special request.

BUGS! (ECS & up)

This film follows the life cycles of the carnivorous praying mantis and the herbivorous butterfly, from their birth and metamorphosis to their inevitable encounter, where predator meets prey.

The Human Body (Grades 3 & up) opens Feb. 2006

This film goes underneath the skin to see the biological processes that go on in the human body. Watch a 100 billion new red blood cells each of us makes daily and experience the amazing reality of 40 yards of new hair sprouts everyday.

-
- cap. 210
 - 35 -45 mins
 - \$3.50/child
 - Pre/Post Activities

TELUS World of Science
(formerly the Calgary Science Centre)

Contact: School Program Coordinator

Ph: 268-8329 or 268-8311

www.calgaryscience.ca

ALL GRADES

*Subject: Sc

HANDS-ON EXHIBITS

In our exhibit galleries the emphasis is on self-exploration and discovery. This is where students can experience science and technology for themselves. We recommend at least one hour for exploring our exhibits. Our exhibit areas can accommodate approximately 210 students. Phone 268-8311 to book.

Planetary Landscapes: Sculpting the Solar System (ECS & up, Oct. 1, 05-Jan. 8, 06)

Explore the dynamic forces that are shaping our solar system through this unique blend of art and science. Students can touch and manipulate art works to display the effects of natural phenomena such as turbulence, flow, wind.

Grossology (ECS & up, Jan, 21-May 7, 2006)

Grossology is a science-in-disguise exhibit where students get the answers to many of the slimy, oozy, crusty, stinky questions they absolutely love to ask about the human body.

Bikes - The Wheel Story (ECS & up, from May 13, 2006)

This exhibit explores the ingenious nature of the bicycle's technology and design. Students learn about recreational, utilitarian and competitive aspects of cycling.

WOWtown (ECS-Grade 2, Age restricted)

WOWtown is where children are given opportunities to play and learn through activities which are self-initiated and hands-on. Using their natural curiosity they explore over 18 different stations.

Eureka! Building Minds through Play (ECS-Grade 6)

Celebrates humans as builders. Students will be able to test, measure and observe their wonder-filled and sometimes wacky creations

Carnival of Wonders (ECS-Grade 6)

Explore light, colour, sound and sight.

The ENMAX Circuit (Grades 3 & up)

Explore the shocking science of electricity.

One World (Grades 3 & up)

Explore the choices that affect transportation, climate, food and water. Students are encouraged to find solutions for a more sustainable future and to recognize the importance of social, economic and environmental priorities.

Puzzling Things (Grades 4 & up)

Challenge mind and by with these stimulating problem solving activities.

Farm It. (Grades 5 & up)

A computer game that uses realtime 3D graphics and a lively sound track to teach students about farming practices in Western Canada.

Outdoor Amazement Park (All Grades - Seasonal)

Calgary first outdoor science park.



**GRADES
3 & up**

*Subject: Sc

**GRADES
ECS - 6**

*Subject: Sc

**GRADE
1**

*Subject: Sc

**GRADES
3/4**

*Subject: Sc

**GRADE
5**

*Subject: Sc

TELUS World of Science

(formerly the Calgary Science Centre)

Contact: School Program Coordinator

Ph: 268-8329 or 268-8311

www.calgaryscience.ca

Workshops

LEGO MINDSTORMS is an exciting mix of LEGO pieces, robotics and high tech computer software. Designing in teams of two, students are encouraged to try different strategies when programming the robots. While students have fun, they also develop planning, teamwork, communication, and problem solving skills.

Trash Troopers -Tuesday & Wednesday

Mission Mars-Thursday & Friday

10am, 11 am, 12 pm & 1pm 45 minutes per workshop. Max. 16 students

Amazing Energy (from January 16, 2006) 2 hour workshop.

Using eLAB kits from LEGO, students will build projects and investigate the concepts of generating, storing, and using renewable energy sources. Students will make energy storing contraptions like a windmill and energy-using devices like a ferris wheel.

Super Structures (coming in 2006)

This is a facilitated workshop where students build a 12ft x 6ft high geodesic dome. Students will learn about strength, stability and design.

-
- cap. 16
 - 45-120 mins
 - \$6-\$9/ child (includes admission to exhibits)

DEMONSTRATIONS

The Cryogenic Kitchen

What do you get when you mix three states of matter, one wacky chef and a thermos full of Liquid Nitrogen? A recipe for learning and a super cold surprise!

Creating Colour with Leonardo

Leonardo da Vinci has finished his classic piece, the Mona Lisa. Can he teach your students to paint something just as beautiful? Maybe not, but they'll have a good time as the Master helps them explore the world of paint and colour. Primary colours, mixing and transparency are all covered in this lively demo.

Working It Out!

It's the taping of Great Gregor's All-Purpose Fitness and Cooking Show and your class is the studio audience. Students will learn about rollers, wheels, levers, pulleys and gears as the Great Gregor demonstrates how simple machines can make you strong. Working out has never been so much fun!

Power and Attraction

What's electricity and where does it come from? Why are magnets used to generate power? Where do we use electricity and magnetism in our everyday lives? From hair dryers and batteries to power plants and electric guitars, this 'electrifying' demo will answer the basic question 'How does it work?'

- cap. 60
- 20 mins
- \$70 for 60 students or less

*Please refer to page 9 for subject key



UNIVERSITY OF CALGARY

KANANASKIS FIELD STATIONS - School Programs

Contact: Mike Mappin Ph: (403) 220-5355 Fax: (403) 673-3671
 email: mmappin@ucalgary.ca www.ucalgary.ca/UofC/Research/KFS

GRADE
6

*Subject: Sc

Trees & Forests of the Kananaskis (Residential)

- Apr- May
- 2 Days
- 1 Class/Trip
- \$77/student + GST

GRADE
7

*Subject: Sc

Interactions & Ecosystems in Winter (Residential)

- Jan-March
- 3 Days
- 1 Class/Trip
- \$140/student + GST

GRADE
8

*Subject: Sc

Fresh Water Systems of Kananaskis (Residential)

- Sep-Oct
- 3 Days
- 1 Class/Trip
- \$140/student + GST

GRADE
9

*Subject: Sc

Biological Diversity of Kananaskis (Residential)

- May-June
- 3 Days
- 1 Class/Trip
- \$140/student + GST

GRADES
10- 12

*Subject: Sc

Forest Ecosystems

- Sep-Nov & Apr-Jun
- Day Trip
- 1 Class/Trip
- \$15.00/student+ GST

Stream Ecosystems (Biology 20/IB/AP)

- Sep-Nov & Apr-Jun
- Day Trip
- 1 Class/Trip
- \$17.50/student+ GST

Change in Forest Communities (Biology 30/IB/AP)

- Sep-Nov & Apr-Jun
- Day Trip
- 1 Class/Trip
- \$15.00/student + GST

GRADES
6 - 12

*Subject: Sc

School Directed Programs: University Lodge (/w meals)

- Sept-Jun
- Residential
- 1 Class/Trip
- \$41.85/person/day-equivalent + GST

School Directed Programs: Barrier Lake Forestry Trails

- Sep- Jun
- Day Trip
- 1 Class/Trip
- Free

Descriptions of programs are at our website: www.ucalgary.ca/UofC/research/KFS

The residential program fees include: meals, accommodation, program staff, program supplies and equipment, field journals, transportation to study sites during program, guest scientist honoraria, and instructional permit fees



W H Y T E M U S E U M
of the Canadian Rockies

WHYTE MUSEUM OF THE CANADIAN ROCKIES

Contact: Tanya Bouchard

Ph: (403) 762-2291 ext. 314 www.whyte.org

All programs can be tailored to student learning needs.

**GRADES
K-2**

*Subjects: A

**GRADES
3 - 6**

*Subjects: A

**GRADES
3 - 4**

*Subjects: SS

**GRADES
4 - 12**

*Subjects: LA

**GRADES
3 - 12**

*Subjects: SS, LA

**GRADES
7-12**

*Subjects: A

Shape A Scape!

What's a landscape painting? Explore the landscape art of Peter and Catharine Whyte and learn how to create your own landscape art using circles, squares and triangles! It's as easy as 1-2-3!

- cap. 30
- 60 min.
- \$75/class

Earth Meets Sky

What's a landscape painting? Explore the landscape art of Peter and Catharine Whyte and see what it would be like to spend a day in the shoes of a landscape artist! We will learn about the main parts of a landscape painting, learn new art terms, and create a collaborative landscape masterpiece!

- cap. 30
- 60 min.
- \$75/class

My Community, My Museum

Explore the role of museums in an active, hands-on session that has students re-searching in our galleries and selecting "artefacts" from our programming collection to create their own small exhibits that interpret Banff's heritage.

- cap. 35
- 1.5 hrs.
- \$75/class

Writing Home

Objects tell us endless stories about the people who owned them. They can also inspire us to create our own stories. Investigate the line between history and imagination through creative writing activities conducted inside one of our two Heritage Homes.

- cap. 35
- 1.5 hrs.
- \$75/class

A Walk Back in Time (Weather dependent)

This guided walk takes students off Banff's beaten path to the actual locations where many colourful characters made their mark in this unique town's early days. Games along the way reinforce student learning and ensure enjoyment.

- cap. 35
- 1.5 hrs.
- \$75/class

Art En Plein Air

Venture into the world of the landscape artist! Take a look at the landscape art of Peter and Catharine Whyte as well as other landscape artists who painted in the Canadian Rockies. Learn about "Art En Plein Air". What is it? When did it start? Take part in interactive activities, learn about style, composition and art terms, and get inspired to create your own landscape art!

- cap. 30
- 75 min.
- \$75/class

Teacher-Guided Programs

Teachers are welcome to guide their classes through the exhibits. Please call to book your visit in advance. Cost \$3.50 per student. Teachers and adult supervisors are admitted free of charge. Call 762-2991 ext 314 for bookings and information.

YMCA OUTDOOR SCHOOL-ROCKY MOUNTAIN YMCA

Contact: Outdoor Schools Manager

Ph: 269-6156 (Calgary)/(403) 673-3858 ext. 201(outside)

Subsidy: The YMCA wants everyone to have access to its programs. In order to ensure that all students have the opportunity to take part in Outdoor School regardless of their financial situation, the “YMCA Strong Kids Campaign” fund is available to provide subsidies on an individual basis.

Customized Programs: Please do not hesitate to contact us if you would like to discuss other program alternatives for an outdoor experience for your students. We would be happy to discuss other options with you and design a specialized program to best meet your needs.

GRADES
5 - 6

*Subjects: SS/Sc/H/PE

GRADES
5 - 6

*Subjects: SS/Sc

GRADES
5 - 6

*Subjects: SS/Sc

GRADES
7 - 12

*Subjects: SS/Sc/H/PE

Eco School (September, October, November, February, March, April)

This multi-disciplinary program focuses on group dynamics and development and enables students to expand their understanding of the school curriculum. Through a variety of games and activities, participants explore history, learn about animal adaptations and gain useful knowledge of forest ecology. Student interpersonal skills are honed through group-building tasks.

-
- 4 Days (Residential)
 - Cap. 120
 - \$170/student + GST

Sunship Earth (May - June)

Sunship Earth is an Institute for Earth Education program that encourages students to examine their personal impact on the earth by developing a better understanding of seven key ecological concepts; Energy Flow, Cycles, Diversity, Community Interrelationships, Change and Adaptation.

-
- 4 Days (Residential)
 - Cap. 130
 - \$180/student + GST

Hector Spring School (May - June)

Hector Spring School is an ecological-based program that integrates elements from the grades 5 and 6 Science and Social Studies curriculum. Using the backdrop of the Bow Valley landscape, the program explores local ecosystems, and the natural and cultural history of the region. Students live in tipis and face challenges through activities such as the story of a life, wetlands study, sky science activities and an on-site day hike.

-
- 4 Days (Residential)
 - Cap. 200
 - \$180/student + GST

Rocky Mountain Outdoor Pursuits Experiential School (ROPES) (September, May and June)

The YMCA ROPES program fosters positive social growth and leadership. Students enhance their appreciation and knowledge of mountain ecosystems and land management challenges and responses. They plan and participate in one of three day-long focus activities including horsemanship, hiking or canoeing. They can also participate in activities that build teamwork skills and compliment core curriculum such as challenge course, orienteering, high ropes and climbing. During the evening, students further their learning and express their experiences through campfires and presentations.

-
- 4 Days (Residential)
 - Cap. 75
 - \$221/student + GST

PROFESSIONAL DEVELOPMENT PROGRAMS FOR TEACHERS



TEACHERS

*Subject: Sc

AERO SPACE MUSEUM ASSOCIATION

Contact: Allan Gallant Ph: 250-3752

PREVIEW - Theory of Flight Educational Tour

This program is designed to support the Grade 6 Flight topic. This field trip will help solidify some of the concepts within the flight unit. Students will participate in activities involving the basic forces of flight, parts of an airplane, aircraft movement and much more.

-
- No Charge • Contact: 250-3752

ANN & SANDY CROSS CONSERVATION AREA

Contact: Kelly Small Ph: 931-2042

email: ksmall@crossconservation.org

www.crossconservation.org

Cross Conservation Area



TEACHERS

*Subjects: All

Teacher Inservices

All education programs offered at the Cross Conservation Area require teachers to attend a 1 1/2-hour inservice which will outline the teacher-led activities, and better acquaint them with the Area. Teachers who have attended an inservice in the past 2 years are not required to attend an inservice this year, with the exception of the Care for the Land program.

Confirmations for programs and inservices will be sent once the program payment has been received. RSVP at least one week in advance for all inservices.

All inservices are held from 4:30 p.m. to 6:00 p.m.

Dress for a hike.

Workshop Facilities Available

The education center at the Ann and Sandy Cross Conservation Area is available for Professional Development bookings throughout the year. The indoor facility can accommodate 30 people comfortably for lecture style conferences or workshops. Our outdoor trails range from 3 to 9 kilometers in length.

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- No charge for teachers attending inservices. Call 931-2042 to book facility for workshops.

PROFESSIONAL DEVELOPMENT PROGRAMS FOR TEACHERS



ART GALLERY OF CALGARY

Contact: Linda Hawke Manager of Public and Education Programs

Ph: 770-1358 email: lhawke@artgallery.org

www.artgallerycalgary.org

Availability: Monday-Friday, 9 am – 3 pm

We know you're curious!

Contact AGC at 403-770-1358 or lhawke@artgallerycalgary.org to book complimentary appointments to:

- preview exhibitions before coming with your class
- get a behind-the-scenes orientation tour of the AGC and our programs
- learn how you can include more contemporary art in your lessons

Check out our web site for exhibition information and updates:

www.artgallerycalgary.org

TEACHERS



BOW HABITAT STATION

Contact: Sarah Hiuser

Ph: (403) 297-6561 Fax (403) 297-2839

www.bowhabitat.gov.ab.ca

[email:bowhabitat.info@gov.ab.ca](mailto:bowhabitat.info@gov.ab.ca)

Teacher Site Visit

September 7, 2005 4:00-6:00 pm

April 25, 2006 4:00-6:00 pm

Get to know the facilities and sampling sites of Bow Habitat Station, ask questions about your field trip and activities your students will be doing. Please phone to pre-register.

TEACHERS

PROFESSIONAL DEVELOPMENT PROGRAMS FOR TEACHERS



CALGARY
SCIENCE
NETWORK

CALGARY SCIENCE NETWORK

Teacher Workshops

Contact: Elspeth Snow Ph: 230-1431

www.calgarysciencenetwork.ca

TEACHERS

*Subject: Sc

Calgary Science Network offers professional development workshops for teachers. Led by a scientist-teacher team, the content is accurate and in-depth while hands-on activities are grade appropriate and classroom friendly. Fees are minimal and, when possible, take-back-to-the-classroom supplies are provided. Workshops and field trips are linked to the Elementary, Junior High and Senior High School science curriculum. During the 2005–2006 school year, specific workshops will make connections between science, social studies and language arts.

Our **2005 Science Symposium** is being held at Lord Shaughnessy High School on October 4 (Grades 7–9), October 5 (Grades 4–6), and October 6 (Grades 1–3). The cost is \$40 for two 1½-hour workshops and dinner.

Upcoming workshops (with links to downloadable flyers, including registration forms) are posted on our website. In addition, there is a list of proposed workshops for the school year. As workshops are finalized, dates and flyers will be posted.

Flyers about upcoming workshops are also sent to all schools in Calgary and the surrounding area (public, separate, private and charter schools).

Most standalone workshops are 2.5-3 hours in length and cost from \$25 to \$30 per person. For more information email: workshops@calgarysciencenetwork.ca or call 230-1431



TEACHERS

*Subject: Sc/EOE/SS/PE

FISH CREEK PROVINCIAL PARK

Contact: Alberta Parks and Protected Areas

Ph: 297-7927

www.fish-creek.org

The Fish Creek Environmental Learning Centre in Fish Creek Provincial Park offers the **Taking it Outside** professional development workshop series at sites throughout the region. Teachers gain hands-on experiences with the natural world to familiarize them with species, habitats and natural processes. Field trips presented by experts in the study of wildlife, plants and natural systems connect teachers directly to those involved in discovering new trends, monitoring species at risk, managing environments and preserving habitats. Phone 297-7927 for more information or check our website.

PROFESSIONAL DEVELOPMENT PROGRAMS FOR TEACHERS



TEACHERS

*Subjects: EOE/Sc/SS

INSIDE EDUCATION

Ph: Calgary 263-7720 or Edmonton (780) 421-1497

www.insideeducation.ca

An amazing array of activities and learning sessions are packed into Inside Education's all-expenses-paid professional development sessions. Participants explore first-hand the latest issues and developments related to Alberta's environment and our natural resources and learn how to connect these incredible learning experiences to their teaching situation. Taking place in the fall, spring and over the summer these sessions provide a head full of ideas and a bag full of learning resources to take back to the classroom. More information, including photo galleries of past PD sessions, is available at www.insideeducation.ca

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- cap. varies
 - 1 to 7 days
 - All expenses paid



TEACHERS

*Subject: Sc

SPACEPORT - CALGARY INTERNATIONAL AIRPORT

Contact: Eden Vogan, Manager Ph: 717-7678

Introduction - Spaceport School Programs

Experience the science and latest developments in aviation, high technology communication and space exploration. SpacePort's programs are Alberta curriculum based and include stage shows and workshops for instructions. Grade levels for the school programs range from 2 to 10.

The SpacePort™ school programs address multiple learning styles, are interactive and draw on the personal experiences of the students in order to ensure they are inspired to learn while having fun. Students have the opportunity to engage in hands-on activities that support the development of knowledge, science inquiry and problem-solving skills. These quality programs make use of newer teaching methods, are linked to the Alberta Science Curriculum, and at the same time reflect the relevance and excitement of the unique SpacePort™ environment at the Calgary Airport. The programs support Alberta curriculum topics in science including space exploration, air and aerodynamics, mechanical systems, technology systems, motion changes and matter and chemical changes.

PROFESSIONAL DEVELOPMENT PROGRAMS FOR TEACHERS



TEACHERS

*Subject: Sc

TELUS World of Science

(formerly the Calgary Science Centre)

Contact: Darren King
Ph: 268-8329 or 268-8311

www.calgaryscience.ca

A Look at Sky Science! (Grade 6)

In this hands-on workshop educators actively participate while learning to present classroom demonstrations that relate to the topics of the grade 6 sky science unit.

Date: **Wednesday, October 5, 2005** Time: **4:30 p.m.-7:30 p.m.**

\$20.00 per teacher. Price includes materials, refreshments and handouts.

LEGO MINDSTORMS

If you're contemplating purchasing LEGOMindstorms kits for your classroom or already have them and need assistance - then this workshop is for you. Topics covered include what and where to buy, Mindstorms parts, building techniques & more.

Date: **Wednesday, October 12, 2005** Time: **4:30 p.m.-7:30 p.m.**

\$20.00 per teacher. Price includes materials, refreshments and handouts.

Educator Wine & Cheese Open Houses

Tuesday, *October 1, 2005* from 4:30 to 8:30 p.m. & Tuesday, *April 11, 2006* from 4:30 to 8:30 p.m.

You and an adult guest are invited to relax after work while learning about our school programs. Meet up with your fellow teachers to enjoy a glass of wine and snacks while watching a film, explore our exhibits (without kids) and experience a sample of our new school workshops. Our education staff will be on hand to answer your questions. Please RSVP by calling 268-8329.

UNIVERSITY OF CALGARY

KANANASKIS FIELD STATIONS

Contact: Michael Mappin Ph: 220-5355 Fax: (403) 673-3671

email: mmappin@ucalgary.ca



TEACHERS

*Subjects: Sc/EE

Workshops

Environmental & Ecology Education Workshops (Oct.-June)

Day-Trip /w Lunch & Facilitator 30 cap. \$25/person +GST

School-Directed Workshops/Meetings (Oct.-June)

Day-Trip /w Lunch 30 cap. \$12.80/person +GST

Education Groups

Group-Directed Weekend or Summer Workshop/Institutes

Residential /w Meals 30 cap. \$41.85/per./day+GST

Teaching Resources

The following teaching resources are available on the KFS Website:

'Schoolyard Ecosystems': A website for Science 7 teachers

[<http://www.ucalgary.ca/UofC/research/KFS/schoolyard.html>]

'EcologyConnections.ca': A website for Biology 20-30 teachers.

<http://www.ucalgary.ca/UofC/research/KFS/ecologyconnections.html>

*Workshops include topics such as Schoolyard Ecosystems, Winter Ecology, Trees & Forests of the Kananaskis, Human & Natural History of Barrier Lake Field Station.

PROFESSIONAL DEVELOPMENT PROGRAMS FOR TEACHERS



W H Y T E M U S E U M
of the Canadian Rockies

WHYTE MUSEUM OF THE CANADIAN ROCKIES

Contact: Tanya Bouchard Ph: (403) 762-2291 ext. 314

Integrating Art, Nature, and Heritage

Founded by artists, set in the natural beauty of the Rockies, and created to keep the rich cultural heritage of the region alive, the Whyte Museum of the Canadian Rockies embodies the principle of integration. Explore this theme in the 1930 home of Museum founders Peter and Catharine Whyte. Make cross-curricular connections in our permanent and temporary exhibits. Investigate how people were interacting with this environment 100, 1,000, or 10,000 years ago. A day of experiencing, creating, and sharing at the Whyte will demonstrate the inseparability of art, nature, and heritage. While Banff provides the perfect setting for this exploration, you'll leave here with the tools to integrate those three elements in your own home environment. Please dress for the weather.

TEACHERS

*Subjects: SS/EOE/A

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- cap. minimum 10/maximum 30
 - 6 hrs.
 - \$50/participant

YMCA OUTDOOR SCHOOL ROCKY MOUNTAIN YMCA

Contact: Outdoor Schools Manager

Ph: 264-7068 (Calgary)/(403) 673-3858 ext 201(outside)

The Rocky Mountain YMCA, Camp Chief Hector is available for Professional development bookings throughout the year. In partnership with our knowledgeable staff, you can custom design a day for your group accessing all that our site has to offer. Our high and low ropes courses, climbing tower and challenge course make for an effective day of team building and focus on group dynamics. Groups can also take advantage of our extensive hiking trails and traditional camp activities.

Bowfort Lodge is an ideal setting for large group conferences or workshops accommodating up to 150 people in the fully catered dining hall. There are also a variety of other indoor facilities available for smaller group meetings or break off sessions.

TEACHERS

*Subject: All

SERG CONTACT PHONE & FAX NUMBERS

2005 - 2006

Organization	Contact	Phone	Fax
Aero Space Museum Association	Tom Kelly	250-3752	250-8399
Ann & Sandy Cross Conservation Area	Kelly Small	931-2042	931-1045
Art Gallery of Calgary	Linda Hawke	770-1358	264-8077
Bow Habitat Station	Ellen Gasser	297-3009	297-2839
Calgary Board of Education	Scott McLarty	294-8578	294-8434
Cal. Roman Catholic School Dist. No.1	Maria Steinborn	298-1487	298-1480
	Michael Ross	298-1391	298-1480
Calgary Humane Society	Ivanna Ferris	250-7912 ext. 343	291-9818
Calgary Outdoor School Consortium	Nestor Kelba	777-7117	777-7108
Calgary Science Network/Scientist in Classroom	Julia Millen	263-6226	247-1535
Calgary Science Network/Teacher Workshops	Elsbeth Snow	230-1431	247-1535
Cantos Music Foundation	Ingrid Kincel	543-5119	543-5129
City of Calgary Animal & Bylaw Services	Dolly Hussey	268-1096	268-4927
Evergreen Theatre	Dawn Dymond	228-1384	229-1385
Fish Creek Provincial Park-AB Parks	Roland Kirzinger	297-7927	297-7849
Fort Calgary	Visitor Services	290-1875	265-6534
Grain Academy	Wayne Lawson	263-4594	233-9500
Inside Education (formerly FEESA)	Education Officer	220-2819	220-0814
Kananaskis Provincial Park - AB Parks	Andrea Barnes	1-403-678-5508	1-403-678-5505
Leighton Art Centre	Ann Mercier	931-3636	931-3597
Museum of the Regiments	Carolyn Foard-McPhail	974-2869	974-2858
Quest Theatre Society	Tour Coordinator	264-8575	264-8578
Spaceport - Calgary International Airport	Eden Vogan	717-7679	717-7677
TELUS World of Science	Darren King	268-8329	237-0186
U of C Kananaskis Field Stations	Michael Mappin	220-5355 (Calgary)	1-403-673-3671
Whyte Museum	Tanya Bouchard	1-403-762-2291	1-403-762-8919
YMCA Outdoor School	Outdoor Schools Manager	1-403-673-3858 ex 201	1-403-673-2179