

Teachers' Fall 2006 Update

Mineral Resources Education Program of British Columbia

FALL 2006

*ROCKS,
MINERALS,
MINING &
GEOSCIENCE
IN THE
CLASSROOM*



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Please post,
photocopy &
share with
teachers in your
school.
Thank-you.



MINERAL RESOURCES
EDUCATION PROGRAM OF
BRITISH COLUMBIA
910 - 1111 MELVILLE ST.
VANCOUVER, BC V6E 3V6
TEL: 604-681-4321
EXT 108,115
FAX: 604-681-5305
EMAIL: INFO@BCMINERALS.CA
WEB: WWW.BCMINERALS.CA

Welcome Back!

Long, warm summer days are just what we need to relax our minds and restore our bodies. We hope you enjoyed your holidays and have returned to school refreshed and excited to work with new students in the year ahead.

For new and familiar Update readers alike, we thought you would like to know that MREPBC marked its 15th anniversary this past spring! Over the years our teacher-industry partnership program has assisted nearly 7000 BC teachers and student teachers around the province with workshops and resources, and a host of other mineral-relevant initiatives to encourage teaching about geoscience and mining in school. A look through this Update reveals our collection of teacher-written resources for the classroom (page 4-5), and the broad industry network MREPBC links with to support you and your students. Considering humankind's continuously increasing use of rocks and minerals from the Stone Age until today, our understanding of the Earth and the mineral resources it provides has never been more important. So as we acknowledge our school program's accomplishments, we look to the future aware that our work has just begun.



CREATIVE EARTH SCIENCE WRITING: *MINERAL MANIA* TAKES THE PRIZE!



Last spring students in several elementary classes discovered a great way to integrate new Earth Sciences knowledge – by writing a book! Presented with the challenge by their teachers, who attended a writing workshop with Yellowknife teacher and author Gayla Meredith, they put their minds, pencils and paints together and submitted their books to the MREPBC contest for judging. First place honours were awarded to Ms. Dale Maingot's Grade 5 class at Sacred Heart School in Ladner for *Mineral Mania!* This tale of two youngsters on a quest to identify a mystery mineral will be published and made available for purchase later this fall. The other unique and creatively illustrated books entered in the contest may be seen at: www.bcm minerals.ca/files/teacher_resources/000275.php. Congratulations to the winning class and all our new authors!

MINERAL RESOURCES CONSERVATION POSTER COMPETITION

You are invited to involve your students in MREPBC's *BC Mining Class of the Year 2007* competition with the theme: *Mineral Resources*



Conservation. Conservation is key to protecting the environment and to sustaining the minerals industry, and it encompasses what individuals can do to reduce consumption, reuse materials and practice recycling. These are concepts that all young people are introduced to and encouraged to adopt.

This year the contest format is a poster. Subject matter may be any non-renewable mineral resource: metal, industrial mineral or fossil fuel (energy). Each poster should demonstrate what students have learned about where mineral resources come from, how they are used in daily life, and ways they can be conserved. Posters must measure 11" by 17" and must be hand drawn with pencils, coloured pencils, markers and/or paint.



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Conferences, Workshops and Field Trips



To register for the following events and conferences, please complete the registration form on Page 8. The MREPBC is pleased to provide one-day TOC support where indicated (TOC). For information on these and other upcoming workshops and conferences, visit **Workshops and Field Trips** at: www.bcminerals.ca or contact the MREPBC office.

CIM MINING INDUSTRY CONFERENCE, KAMLOOPS - SEPT. 14 TOC



Haul truck at Highland Valley Copper.

The South Central Branch of the Canadian Institute of Mining, Metallurgy and Petroleum (CIM) is inviting teachers to attend the one-day technical session during its annual general meeting in Kamloops. Presenters from the minerals industry, as well as the province's regional geologist, will speak on the status of advanced exploration projects and operating mines, and operational advances to improve productivity, safety and impacts. This is a great venue for teachers to learn about the industry in the area and talk with the array of people who work in it. The South Central CIM has kindly waived the registration fees (\$110) for teachers. To register, see Page 8 or for more information, download: www.bcminerals.ca/pdf/SC_CIM2006.pdf. **Registration deadline: Sept. 8.**

GRADE 5 RESOURCE UNIT WORKSHOP, WILLIAMS LAKE - SEPT. 21

The MREPBC will present the *Grade 5 Integrated Resource Unit on Mining* at the E.J. Bare Education Centre in Williams Lake on Thursday, Sept. 21st from 4:00pm-8:00pm. A brief description of this resource unit is on Page 4 with a complete description available at: www.bcminerals.ca/files/mrepbc_resource_units/000031.php. There is a *non-refundable registration fee of \$25.00*. For more information, or to register, download www.bcminerals.ca/pdf/Gr5Wk_WL06.pdf. Teachers from outside of the Williams Lake district are invited to attend if space permits.



Grade 5 Integrated Resource Unit on Mining kit.

MOUNT POLLEY MINE FIELD TRIP, WILLIAMS LAKE - SEPT. 22



The MREPBC is collaborating with Imperial Metals Corp. to organize a one-day field trip for teachers to Mount Polley Mine located 90 km north of Williams Lake. Mount Polley is an open pit copper, gold and silver operation which first opened in 1997. It suspended operations in 2001 due to low metal prices but re-opened in early 2005 when the economics improved. The tour will provide an opportunity to observe the mining and milling processes and to learn about environmental impacts at the mine and how they are addressed. It is also a great way to find out about the range of *career* opportunities in the modern and growing minerals industry. The field trip is *free*. Transportation from Williams Lake and lunch will be provided. For more information download: www.bcminerals.ca/pdf/MtPolleyFT_2006.pdf. **Registration deadline: Sept. 15.**

MINERALS SOUTH 2006, NELSON - OCT. 25-27 TOC

The Chamber of Mines of Eastern British Columbia (CMEBC) is hosting the 2006 *Minerals South* conference which focuses on mineral exploration in southeast BC. Teachers are invited to attend technical sessions on either the 25th, which will feature talks by the BC Ministry of Energy, Mines and Petroleum Resources and other agencies, or the 26th, which will feature talks from junior mining and major mining companies working in the area. This is a chance for teachers to learn about the regional geology, types of ore deposits and ongoing work in the area. The CMEBC has kindly waived the conference registration fee (\$125) for teachers and has reserved one spot for a teacher on two Oct. 27th field trips, one into the Slocan Valley (graphite and gemstones) and the other to tour the Trail Smelter. To register for the conference or the field trips, see Page 8. For more details, download: www.bcminerals.ca/pdf/Minerals_South2006.pdf. **Registration deadline: Oct. 18.**

TRAIL SMELTER CELEBRATES 100 YEARS IN OPERATION

Teck Cominco Metals will celebrate the *100th anniversary of Trail Operations* with a centennial anniversary party at Gyro Park in Trail on Sunday, Sept. 10th. The importance of the smelter to the community and the generations of people who have worked there will be celebrated with a full day of entertainment. For more information visit:

www.2006centennial.ca.



Page 2 Smelter in 1896.



Smelter and City of Trail in 2006.

Oct. 20 Pro-D Events and Workshops

FALL 2006

SEA-TO-SKY GEOLOGY & BRITANNIA FIELD TRIP



Teachers on the Sea-to-Sky geology field trip, February 2006.

As part of the Government of Canada's celebration of National Science and Technology Week, Natural Resources Canada, the MREPBC, and the BC Museum of Mining are sponsoring a day-long guided field trip for teachers. The itinerary will include several outcrop stops to explore Sea to Sky geology, a tour of the BC Museum of Mining, presentations on remediation work at the site and future development plans in the Britannia Project, as well as a tour of the new plant built to treat acid rock drainage. Bus transportation from Vancouver will be provided. There is a \$25 refundable registration deposit. To register, see Page 8, or for more details download: www.bcminerals.ca/pdf/SeatoSkyFT_2006.pdf. **Registration deadline: Oct. 6.**

Learn about other activities being planned for teachers and students in Vancouver, Victoria and Prince George during National Science and Technology Week 2006 (Oct. 13-22) at: www.nrcan.gc.ca/nstw-snst/intro_e.html.



K-3 AND GR. 5 WORKSHOPS FOR VSB TEACHERS

MREPBC workshops for *K-3 Kids and Rocks: Geology and its Impact on Our World* and the *Grade 5 Integrated Resource Unit on Mining* (Page 5) will be offered at the Vancouver School Board on Friday, Oct. 20. To register, visit: www.vsb.bc.ca/vsbprograms/Prod/Province-wide+Pro-D+Day.htm.



CLAYBURN FIELD TRIP

Believe it or not, mining clay and making bricks with special refractory clays from Sumas Mountain (Abbotsford) began in 1905! The MREPBC is collaborating with Clayburn Industries, Sumas Clay Products, and longtime Clayburn resident Cyril Holbrow to offer a field-trip for teachers to learn about the brick-making process and local history. The field trip will include visits to both brick-making operations, to the old Clayburn village and original brick plant site, as well as stops of geologic, social and historical importance. More details are available at: www.bcminerals.ca/pdf/ClayburnFT_2006.pdf. The field trip is free, but a \$25 refundable deposit is required along with the completed registration form on Page 8. **Registration deadline: Oct. 6.**



Harrop tunnel kiln for bricks on rail cars, Clayburn Industries.

AFTON MINE EXPLORATION AND RECLAMATION FIELD TRIP

The MREPBC is collaborating with New Gold and Teck Cominco to organize a one-day field trip for Kamloops-Thompson teachers to Afton Mine. Afton was a copper, gold, and silver producing open pit mine for nearly 20 years and was reclaimed when mining ceased in 1997. Mineral exploration resumed there in 2004 to establish the full extent of ore deposits on site. A \$25 refundable registration deposit is required. For more information or to register, download: www.bcminerals.ca/pdf/AftonFT2006.pdf. **Registration deadline: Oct. 6.**



Portal into the underground at the bottom of the Afton pit.



Mineral Exploration Roundup 2007

Westin Bayshore, Vancouver - Jan. 29-Feb 1, 2007

Mineral Exploration Roundup, western Canada's premier exploration conference, has been held each year in Vancouver since 1984. *Roundup 2007* marks the fourth year that MREPBC has worked closely with the conference hosts, the *Association for Mineral Exploration BC* (AME BC), to integrate teachers and students at this event. This time AME BC will also extend an invitation to teachers to attend two new field trips and a short course. Read on for an introduction to our collaborative initiatives and how you or your students might participate. AME BC has kindly offered to waive fees for teachers to attend.



Elementary Rockhound at Roundup 2006 with author Gayla Meredith

Sat./Sun. Jan 27-28: Exploration and Mining 101

A 2-day short course that provides a general overview of mineral exploration and mining geared for non-technical personnel who work in the industry. Geology and mineral deposits, exploration and mining methods, and other related topics will be covered. (Teachers invited)

Sun. Jan. 28: Vancouver Geology and Local Interest Field Trip

A 1-day outing to introduce local geology and the geology of historical buildings in Vancouver. A tour of the ALS Chemex Lab in North Vancouver and a visit to the Museum of Anthropology at UBC are included. (Teachers invited)



CONTINUED ON PAGE 7

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Teachers visit the Eskay Creek underground gold and silver mine in northwestern BC.

The Mineral Resources Education Program of BC (MREPBC) is a partnership program between classroom teachers and the mineral resources industry in British Columbia. It originated in 1991 in response to teachers' feedback that available information about mineral resources was 20-30 years outdated. Over the years many creative and enthusiastic teachers have stepped forward to work with the MREPBC to write and develop classroom materials that are appropriate for the grade level and support certain aspects of the BC curriculum as they relate to minerals, mining and geoscience. The BC mineral resources industry, represented by companies, professional groups and individuals alike, has stepped forward with financial support and expertise to make our partner teachers' growing body of work possible. Together this partnership has built a valuable collection of educational resources *for all grade levels*.

The heart of the MREPBC school program is a suite of comprehensive, up-to-date **resource units** (below) that are available to teachers and student teachers through **workshops**. Each resource unit comes as a **kit** that includes an instructional binder and a variety of support materials such as posters, videos, books and hand samples¹. In support of these resource units, the MREPBC has also developed educational **videos** on minerals industry careers, mining and the environment, the mining process, and the BCIT Mining Technology diploma program (Page 5). It also has an educational Web site (www.bcminerals.ca) and collaborates with mining operations and many geoscience and industry groups across the province to coordinate special learning opportunities for teachers and students. (Pages 2, 3, 5).

Resource Units for Elementary Teachers¹

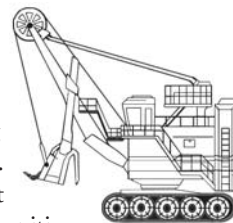
K-3 KIDS AND ROCKS: GEOLOGY AND ITS IMPACT ON OUR WORLD²

Children are fascinated with rocks! This practical and hands-on unit engages them in learning about minerals and rocks and methods of scientific investigations, and then uses geologic themes for important lessons in social studies, language arts, math, music, geography, art, personal planning, and drama. It covers everything from volcanoes and earthquakes to mining communities and careers.



GRADE 5 INTEGRATED RESOURCE UNIT ON MINING

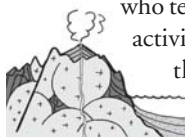
Intermediate students enjoy their first opportunity to learn about mineral resources and the mining process! This unit uses mining as the theme for learning across the curriculum. Students examine mining in the past, present and future. They also learn about mining communities, the discovery and recovery of ore deposits, the uses of metals in modern society, mining careers, and mining and the environment.



Resource Units for Secondary Teachers¹

EARTH SCIENCE 11/GEOLOGY 12 "RESOURCES & IDEAS"

Earth is incredibly dynamic, and it is fun to make Earth Science 11 and Geology 12 courses equally dynamic! This resource is a compilation of individual and group activities that reinforce a range of topics taught in these courses. It offers creative ways for students to learn when they are *up and out of their seats*, as well as a variety of conventional lab exercises. This resource unit is valuable to experienced teachers, those new to these subjects, and those who teach Physical Geography. All activities are tried-and-tested in the classroom, and helpful teaching information accompanies each activity.



SCIENCE OF MINING RESOURCE UNIT (SECONDARY SCIENCE)

Mineral resource development requires expertise in *all* fields of science. This unit consists of lab activities that mimic the mining process. It introduces rocks and minerals as non-renewable resources, environmental assessments and impacts at mine sites, the value of minerals in daily life, and the techniques involved in ore extraction, processing, and refining. The labs fulfill curriculum requirements for Grade 8 and 10 Science, Earth Science 11 and Science & Tech 11. Experiment materials are included in the kit.



SOCIAL STUDIES 10/11 MINING IN BC

Complex issues such as mining are better understood when examined from all angles and discussed. This unit increases students' knowledge of the minerals industry in BC and reviews the process of mine development. The heart of the unit is a *fictional case study* of a mine following the Environmental Assessment Act in BC. (Primary data, specific names and geographic locations provide authenticity.) Once students have gained a basic overview, they are divided into groups that take on the role of a stakeholder in the development of the proposed mine. Group research and evaluations are compared in discussion and consensus is sought once all groups have provided input.



¹Complete resource unit descriptions, kit contents, and curriculum correlations are available at: www.bcminerals.ca/files/teacher_resources/000033.php.

²Formerly titled *K-3 Rocks and Minerals Integrated Science Kit*.

Workshops for MREPBC Resource Units

FALL 2006

MREPBC *resource units* are available to teachers *only* through half-day workshops. There is a non-refundable ~~\$50.00~~ \$25.00 registration fee (per person), but no additional charge for resource kit materials - *THEY ARE FREE!!*



In celebration of the MREPBC's 15th anniversary of delivering services to teachers, *workshop registration fees have been reduced to only \$25.00* (reg. \$50.00). The reduced fee makes this year the best year yet to attend a workshop at your grade level! Don't miss this limited offer. For an up-to-date workshop schedule, visit www.bcminerals.ca/files/workshop_schedule.php.

Special \$25
15th Anniversary
Registration Fee
(reg. \$50.00)

WHO CAN ATTEND? Classroom teachers, teacher-librarians, TOCs and student teachers are welcome to attend workshops for these resource units. Participants must be teaching the grade level or subject intended for the resource unit. Workshops hosted by the MREPBC are open to teachers from across BC. Workshops hosted by a specific school district or other teacher group are held at a location chosen by the host, who decide if outside teachers may attend.

WHO CAN HOST A WORKSHOP? Workshops for the five major MREPBC resource units for teachers are 3.5 to 4 hours in length. They can be held on a professional development day, during a PSA or other conference, or after school. Interested groups should contact the MREPBC to secure a date and time *at least 2 months* prior to the scheduled workshop to allow adequate time to advertise and complete the workshop registration. It is up to the host group to determine if it will pay the registration fee for participants.



Teachers learn to observe and classify rocks from their own collections in the K-3 Kids and Rocks workshop.

WORKSHOP SCHEDULE: All upcoming workshops are posted at: www.bcminerals.ca under **Workshops and Field Trips**.

BOOK A WORKSHOP: Phone Kevin Barclay at 604-681-4321 ext 108.

MREPBC's Video, CD-ROM and Other Resources



These following videos and CD-ROMs, and other resources may be ordered through our Resources Catalogue. An up-to-date catalogue and order form are available at: www.bcminerals.ca/pdf/Resources_Catalogue.pdf.

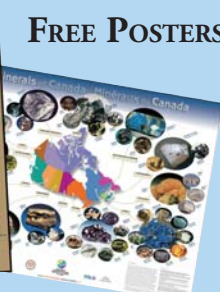
Careers In The Minerals Industry (video) explores career opportunities in the industry as seen through the eyes of high school students considering their futures. (CAPP resource; appropriate for all grades; companion binder is available.)

Digging For Answers: Students Investigate Minesite Reclamation (video) documents students investigating environmental impacts of mining by travelling to mine sites, head offices, and to the provincial ministry. (Appropriate for intermediate and above; companion activity portfolio is available.)

Rocks & Dirt Just Aren't My Thing... Or Are They? (video) reveals the complete mining process through the eyes of young people discovering the relevance of minerals in daily life. (Appropriate for intermediate and above; companion activity book is available.)

Mining Technology: A Natural Sciences and Engineering Technology Diploma Program (QuickTime video on CD-ROM) introduces the 2-year natural sciences and engineering diploma program at BCIT through interviews with students, faculty and employers. (Appropriate for secondary.) *Also available online at www.bcminerals.ca/files/video_resources/000153.php.*

Living on the Edge is an interactive CD-ROM that explores two important features of British Columbia geology related to living above a *subduction zone*: earthquakes and volcanoes! (Appropriate for intermediate and above, as well as for teachers!)



FREE POSTERS AND BOOKMARKS FOR TEACHERS!

The MREPBC's *Mining in BC* poster and class sets of the *Mining in BC* bookmarks are provided to BC teachers *free of charge*. The MREPBC is also providing free copies of the Mineralogical Association of Canada's excellent *Minerals of Canada* poster to teachers for use in their classrooms. To order these resources, please see Page 8. Download supplementary resources and activities for your classroom, or a PDF version of the *Mining in BC* poster, at www.bcminerals.ca/files/teacher_resources/000244.php.

Resources for Teachers and Students

LIFE OF A ROCK STAR



☞ Collections Canada's *Life of a Rock Star* Web site is an award winning educational resource aimed at teaching youth about geologists and their role in the history and future of Canada's development. It offers comprehensive information on the people, their work and accomplishments, plus classroom materials for making a map, keeping a journal, and other related activities. Visit it here: www.collectionscanada.ca/rock/.

STUDENT WORKSAFE BC CURRICULUM AVAILABLE

☞ WorkSafe BC knows that the world can be a dangerous place for adults and children alike, so it is helping students recognize and avoid the hazards in their everyday activities and workplace. In addition to resources addressing the Planning 10 curriculum, WorkSafe BC offers excellent safety lessons and activities for all grade levels (K-12) at: www.worksafebc.com/Topics/YoungWorker/Resources-Educators.asp.



BEAUTY IN THE BEAST

☞ The BC Museum of Mining, in collaboration with Virtual Museum of Canada, has created an online virtual tour of the historic mill. Entitled *Beauty in the Beast*, this new Web site offers comprehensive information on the building, the milling process, the communities supporting the mill, the importance of the mill in Britannia's history, and the mill's artistic value. It also includes a unique collection of video clips, interviews, blueprints, photos and interactive activities. Before your next visit to the BC Museum of Mining, take the virtual tour at: www.theconcentrator.ca.

NORTHERN CANADA'S GEOLOGY AND MINERAL RESOURCES

☞ The Geoscience Experience for Northern Communities (GENCOM) project developed 12 fact sheets on topics such as carving stone, oil sands, diamonds, gold and others! These materials may be downloaded from the PDAC Mining Matters Web site at: www.pdac.ca/miningmatters/teachers/resources.html#Explore_the_Geoscience_of_Canadas_North.



RECLAMATION STORIES

☞ The Canadian Land Reclamation Association (CLRA) is a non-profit organization dedicated to reclamation of disturbed lands and waterways. Their Web site includes *Reclamation Stories*, brief synopses of successful reclamation illustrated with before and after photos. Visit: www.clra.ca/reclamation%20stories.html.

ENGINEER AND BUILD AN UNDERGROUND MINE

☞ The PDAC Mining Matters school program in Ontario provides online instructions on how to build an underground mine *model* using common, everyday materials. It's a great project for grade 5 students learning about mining! You can download the *free* instructions at: www.pdac.ca/miningmatters/teachers/resources.html#Engineer%20and%20Build%20an%20Underground%20Mine.

TECK COMINCO E-SCRAP RECYCLING PROGRAM



☞ Teck Cominco, a major Canadian mining company that operates mines in BC and throughout the world, has expanded the purpose of their smelter in Trail for recycling electronics. To learn more about the recycling process visit: www.tcer.ca.

JOURNEY THROUGH TIME WITH BC'S FABULOUS FOSSILS

The British Columbia Paleontological Alliance (BCPA) has produced a beautiful full-colour poster highlighting BC's paleontological heritage. The poster illustrates many different fossils from BC and places them into the context of geological time. It also discusses the scientific importance of fossils and how they are used in helping to interpret the ages of rocks and their sedimentary environments, aspects of evolution, ancient climates, and geological history. Copies of the 16" x 40" poster can purchased for \$11.00 each (postage paid) by contacting the BCPA Treasurer (mar_macc@telus.net).



OUR COMMUNITY . . . OUR FUTURE: MINING AND ABORIGINAL COMMUNITIES

☞ The Government of Canada and the Government of Ontario have developed a video resource on DVD that examines the entire mineral development process from government geological survey work, to exploration and mining, to eventual closure and rehabilitation of a mine. The resource was developed with a focus on Aboriginal community involvement in the mineral development process, but is also an excellent classroom tool. The DVD is available in English, French, Cree, Oji-Cree and Ojibwa. For a *free* copy, email info-mms@nrcan.gc.ca or call 1-888-252-4301.



The MREPBC Web site (www.bcminerals.ca) is a great way to stay informed of upcoming workshops and educational opportunities. The site also offers educational videos, student exercises and Web link collections. Stay informed of Web site updates by entering your email address in the contact information box on Page 8.

POSTER COMPETITION, CONTINUED FROM PAGE 1

Students may work independently or in small groups. *All class work must be submitted to MREPBC for judging.* Prior to submission each class/teacher should select and identify three out of all their posters which best address the theme.

Entries will be judged by an MREPBC partner teacher and will be based on content and accuracy, design, originality and creativity, and neatness. Grade level will be taken into consideration when judging and *may result in separate awards.*

First Prize: pizza and pop lunch for the entire class; \$150 field trip travel subsidy for the teacher; \$1000 prize for the school.



First Runner-Up: \$150 subsidy for the teacher for class field trip travel.

To enter the contest, check the appropriate box on Page 8, complete the contact information form and fax it to the MREPBC. **Entry deadline: Feb. 2.** Projects must be mailed/couriered *flat* to the MREPBC office for judging. **Submission deadline: April 16.** The winner will be announced during *BC Mining Week* in May 2007. Posters will be returned.

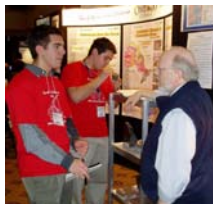
ROUNDUP 2007, CONTINUED FROM PAGE 3

Tues. Jan. 30: Elementary Roundup Rockhounds

Four elementary classes from Second Street Community School (Burnaby) and St. Anthony's School (West Vancouver) are invited delegates for a fun mini-conference. Their geology and mining projects will be on display all week.

Wed. Jan. 31: Secondary Roundup Rockhounds

Secondary students interested in the minerals industry and the career possibilities it holds are invited to attend for a day of special talks and activities. Students must be nominated by their teachers to attend.



Secondary Rockhound at Roundup 2006.

Thurs. Feb. 1 – Teachers' Day at Roundup

Teachers are invited to learn how mineral exploration works and fits into mineral resources development, and to explore career possibilities for young people in this sector.

Fri. / Sat. Feb. 2-3: Highland Valley Copper and Afton Mine

A 2-day field trip to the Kamloops area with visits to the operating Highland Valley Copper open pit mine and the Afton copper-gold underground exploration project.

MREPBC will coordinate all teacher and student participation at *Roundup 2007*, and will provide 1 day TOC support for teachers who wish to attend on Feb. 1. To express an interest in participating in these events, please complete the appropriate section on Page 8 and fax it back to the MREPBC office.

Field Trip Destinations

MREPBC FIELD TRIP TRAVEL SUBSIDIES



\$150.00 travel subsidies are available to teachers for field trips to geoscience or mining destinations. Application forms are available for download at: www.bcminerals.ca/pdf/FTripSubsidy.pdf.

BC MUSEUM OF MINING, BRITANNIA BEACH

Restoration of the mill at the BC Museum of Mining is well on its way to completion - the transformation is outstanding! Also, don't forget to visit the brand new virtual tour of the mill at www.theconcentrator.ca. To book your class visit call 1-800-896-4044 ext. 225. Web site: www.bcmuseumofmining.org.



CHAMBER OF MINES OF EASTERN BC, NELSON

This regional mineral exploration association has a rock and mineral museum and reference library and welcomes school groups learning about geology or mining. To book a visit, call Nikki at 250-352-5242.

COURTENAY DISTRICT MUSEUM AND PALAEOLOGY CENTRE

Offers school groups year-round guided tours of the museum and the Puntledge River Elasmosaur (Late Cretaceous marine reptile) site to collect fossils. Contact: 250-334-0686 or visit: www.courtenaymuseum.ca.



COX STATION QUARRY, ABBOTSFORD

Cox Station is one of the main producers of aggregate in the Lower Mainland and is a chance to observe the mining process and learn about the practical ways in which this mineral resource is used. Contact Brain Weeks: 604-826-4611.

THE EXPLORATION PLACE, PRINCE GEORGE

Featuring on-site and virtual exhibitions on topics including Earth Science. Contact 250-562-1612. Teachers' guide and class visit booking form available at: www.theexplorationplace.com.

GOLD PANNING IN-CLASS!

If you are teaching about the Gold Rush, rocks and minerals, or mining this fall, consider booking a hands-on gold panning workshop with professional gold panner (Yukon) Dan Moore. Find out more about his fun and educational workshop, or book a visit to your classroom at: www.yukondan.com or call Dan at 604-948-4941.



MCABEE FOSSIL BEDS, CACHE CREEK

A great destination for students learning about rocks and minerals, this fossil collecting locality welcomes new and experienced paleontologists alike. Contact Dave Langevin 250-374-7164. Web site: www.dll-fossils.com.

PACIFIC MUSEUM OF THE EARTH, UBC

Located in the Earth and Ocean Sciences department at UBC, this is a great place to enhance your class' unit on rocks and minerals. Contact: Mackenzie Parker 604-822-6992. Web site: www.eos.ubc.ca/public/museum/main.html.

Response and Registration

CIM CONFERENCE KAMLOOPS - SEPT. 14, 2006

- I will attend the CIM Mining Conference in Kamloops on Sept. 14.
- I require a TOC* **TOC**

Please complete the contact information below. **Deadline: Sept. 8, 2006.**

MT. POLLEY FIELD TRIP - SEPT. 22, 2006

To register for the Mount Polle field trip please download: www.bcminerals.ca/pdf/MtPolleyFT_2006.pdf. **Deadline: Sept. 15,**

SEA-TO-SKY/BRITANNIA F/T - OCT. 20, 2006

- I will attend the Sea-to-Sky geology and BCMM field trip.
- Please enclose a \$25 *refundable registration deposit*. Full itinerary and details to follow via email or fax. **Deadline: Oct. 6, 2006.**

CLAYBURN FIELD TRIP - OCT. 20, 2006

- I will attend the field trip to Clayburn and the brick-making operations.
- Please enclose a \$25 *refundable registration deposit*. Full itinerary and details to follow via email or fax. **Deadline: Oct. 6, 2006.**

AFTON MINE FIELD TRIP - OCT. 20, 2006

To register for the Afton Mine field trip please download: www.bcminerals.ca/pdf/AftonFT2006.pdf. **Deadline: Oct. 6, 2006.**

MINERALS SOUTH 2006 - OCT. 25-27, 2006

- I will attend the *Minerals South* conference in Nelson on:
- Wednesday, Oct. 25, 2006
 - Thursday, Oct. 26, 2006
- I would like to attend the following Fri. Oct. 27th field trip:
- Slovan Valley Field Trip
 - Trail Smelter Tour
 - I require a TOC* **TOC**
- Please complete the contact information below. **Deadline: Oct. 18, 2006.**

**Please note: If applying for TOC support, please supply the names of your principal and district superintendent along with your request.*

Send the completed **Contact Information** below with payment (if applicable) to:

Mineral Resources Education Program of BC, 910 - 1111 Melville St., Vancouver, BC V6E 3V6
 Tel: 604-681-4321 ext 108/115 Fax: 604-681-5305

Payment/deposits must accompany field trip registrations. Please make cheque or money order payable to MREPBC.

Registration/Contact Information

Name: _____ Email: _____

School Name and Address: _____

_____ Postal Code: _____

Grade Level: _____ Subjects Taught: _____

School Phone: _____ School Fax: _____

Home Address: _____

_____ Postal Code: _____

Home Phone: _____ Home Fax: _____

BC MINING CLASS OF THE YEAR 2007

- I would like to enter my class in the BC Mining Class of the Year 2007 *Mineral Resources Conservation* poster contest.
- No. of students: _____

Please complete the contact information below. **Deadline for registration: Feb. 2, 2007. Deadline for project submission: Apr. 16, 2007.**

MINERAL EXPLORATION ROUNDUP 2007

- I would like to attend *Exploration and Mining 101* on Sat. Jan. 27-Sun. Jan. 28, 2007.
- I would like to attend the *Vancouver Geology and Local Interest Field Trip* on Sun. Jan. 28, 2007.
- I would like to submit names of my secondary students to attend *Roundup 2007* and explore careers in the minerals industry on Wed. Jan. 31, 2007.
- I would like to attend Teachers' Day at *Roundup 2007* on Thurs. Feb. 1, 2007.
 - I require a TOC* **TOC**
- I would like to attend the *Highland Valley Copper/Afion Mine Field Trip* on Fri. Feb. 2-Sat. Feb. 3, 2007.

You will be contacted in mid-Fall by the MREPBC with additional details regarding registrations, student nominees, and TOC funding.

FREE! RESOURCES FOR TEACHERS

Please send me:

- a *free* copy of the *Mining in BC* poster.
- a *free* copy of the *Minerals of Canada* poster .
- free* *Mining in BC* bookmarks _____ copies



SAVE PAPER! RECEIVE TEACHERS' UPDATE BY EMAIL

- I would like to receive future *Teachers' Updates* by email.