

Teachers' Winter 2008 Update

Mineral Resources Education Program of British Columbia

See Page 2 for important information on Mineral Exploration Roundup 2008

WINTER 2008

ROCKS,
MINERALS,
MINING &
GEOSCIENCE
IN THE
CLASSROOM



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Starting the New Year on Safe Footing

This issue of the Teachers' Update has a special focus on **Safety and Prevention** to help launch the new **Safety** component of the MREPBC's *K-3 Integrated Resource Unit: Kids and Rocks*. See below for details on the new unit and an overview of safety in the minerals industry. There is also a link to a new online disaster mitigation game for students (Page 5.) If your interest is on the many different facets of the minerals industry and the various people who work in it, be sure to read the article on the *new* video career profiles (below) and the invitation to attend *Mineral Exploration Roundup 2008* (Page 2.) Look inside for information on upcoming MREPBC workshos, other educational opportunities for teachers and students, new teaching resources, minerals industry news, and even *free* classroom materials for order.



Would you prefer to receive the Teachers' Update by email? This newsletter is also available in PDF format with active hyperlinks - save time, paper and postage! See Page 8 for details.

NEW SAFETY UNIT FOR MREPBC'S K-3 INTEGRATED RESOURCE

MREPBC teacher-partners Ann-Thérèse Brace and Elizabeth Greenway collaborated with exploration geologist Anja Weiss to develop this new **Safety** supplement to the *K-3 Integrated Resource Unit: Kids and Rocks*. The unit focuses on the gear and behaviours that an exploration geologist uses to keep safe while at work. Many of their practices have counterparts that children can relate to, namely how to dress, essential items to carry, travel planning, and staying aware and alert. This connection helps children better understand the work of a geologist and reinforces safety in their own daily lives. Lessons and activities in the safety unit correlate to learning outcomes in Health and Career Education, Language Arts and Social Studies at the Kindergarten through Grade 3 levels. Download the unit at: www.bcminerals.ca/pdf/K-3Safety2007.pdf.



Anja Weiss

MINING SAFETY



Modern mining is an industrial activity that involves conditions that make work potentially dangerous: large equipment, moving machinery, industrial noise, explosives, and chemical reagents, etc. Working safe at a mine depends on everyone adhering to safety protocols of the Health, Safety and Reclamation Code for Mines in British Columbia 2003 and following safe work practices, be they wearing steel-toed boots or following machinery lockout procedure.

CONTINUED ON PAGE 7

MINING CAREER PROFILE VIDEOS

The MREPBC has posted a new series of career profile videos to the *Careers in the Minerals Industry* section of www.bcminerals.ca. Norkam Secondary videography students produced this unique series under the direction of MREPBC teacher-partner Eric Rustand. Intended to help highlight the diversity of careers in BC's mineral development industry, the students visited Kamloops-area mining sites and related suppliers to interview workers and film their workplace, then edited and formatted the video into 2-5 minute long profiles.



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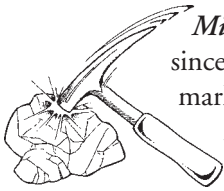


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Mineral Exploration Roundup 2008

Westin Bayshore, Vancouver - Jan. 28-Jan. 31, 2008



Mineral Exploration Roundup is western Canada's premier exploration conference, held annually in Vancouver since 1984. Complete conference information is available at: www.amebc.ca/roundupoverview.htm. *Roundup 2008* marks the fifth year the Mineral Resources Education Program of BC (MREPBC) has worked with the conference host, the *Association for Mineral Exploration BC* (AME BC), to integrate teachers and students into this event. The MREPBC will coordinate all teacher and student participation at *Roundup 2008*.



An open invitation is extended to teachers who wish to explore the conference *trade show* at their convenience anytime between Monday, January 28th and Thursday, January 31st.

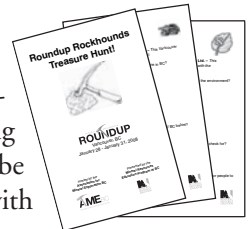
Teachers who wish to attend must pre-register through the MREPBC on Page 8 for waived conference fees.



Elementary Rockhounds at the "Stump the Geologist" station.

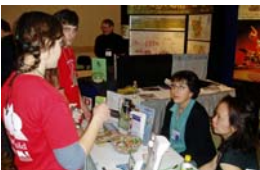
Tuesday, January 29: Elementary Roundup Rockhounds

Four grades 5 classes from Dr. F. D. Sinclair Elementary in Surrey and Queen Mary Elementary in Vancouver are our invited delegates this year for a fun mini-conference that caps off their classroom learning about rocks, minerals and mining this fall. Their geology and mining projects will be on display all week. They will be engaged in hands-on learning throughout the day and will meet and interact with geologists and the myriad of people that work in the exploration and mining sectors.



Wednesday, January 30: Secondary Roundup Rockhounds

Secondary students interested in the minerals industry are invited by the MREPBC to attend a day of special talks and activities, including a career-focussed *Treasure Hunt* through the trade show exhibits. Students who would benefit most from the experience will have an interest in geoscience, mining, or engineering, or broadly in indirectly-related fields as varied as business and accounting, investment banking and securities, environmental consulting, back country expediting, etc. *Students must be nominated by their teachers to attend.* Students will be accompanied during the day by BCIT, SFU, UBC, UVic, U of A, and other post-secondary geoscience and mining students, as well as MREPBC staff. They will meet with and listen to presentations by young industry professionals and post-secondary students in minerals-related programs, explore exhibits, and pan for gold. Teachers are welcome to accompany their student(s), provided they notify the MREPBC in advance. **More details along with a parental consent form are posted at: www.bcminerals.ca/pdf/Roundup2008-ParentLetter.pdf.**



Secondary Rockhounds speaking with Roundup 2007 delegates.



Thursday, January 31 – 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. *Teachers' Day* will feature presentations on mineral exploration and mineral resources development, the environmental and social issues surrounding exploration and mining, the make up of the industry workforce, and current and future career opportunities. There will be a guided exploration of the exhibits and panning for gold with Yukon Dan. The MREPBC will provide select classroom resources.

Students and teachers must pre-register with the MREPBC to attend *Roundup* at no cost. If you would like to nominate students to attend *Roundup*, or would like to attend for your own professional development, see Page 8 or contact the MREPBC by email (kbarclay@bcminerals.ca), phone (604-681-4321 ext. 108), or fax (604-681-5305). **The deadline for teacher registration and student nominations is Tuesday, January 22nd, 2008.**



2007 Teacher Rockhound

GOLD PANNING WITH YUKON DAN

If you are teaching about BC's Gold Rush, rocks and minerals, or mining this year, consider booking an in-class, hands-on gold panning workshop with professional gold panner (Yukon) Dan Moore. Find out more or book a workshop for your class at: www.yukondan.com or call Dan at 604-948-4941.



GUEST SPEAKERS

Looking for someone from the minerals industry to come speak to your class about geology, mineral resources, mining or careers? The MREPBC can help you connect with individuals who will visit your classroom. Contact the MREPBC for more details (stenzel@bcminerals.ca).

MREPBC Elementary Workshops



MREPBC *resource units* are available to teachers *only* through half-day (3.5-4 hours) inservice workshops presented by MREPBC's teacher-partners. Workshops for MREPBC resource units can be held anywhere in BC on a Pro-D day, during a PSA or other conference, or after school. Interested groups should contact the MREPBC to secure a date and time two months prior to the scheduled workshop.

Registration for the workshops is open to teachers, teacher-librarians, TOCs and student teachers although the participants must be teaching the grade level or subject intended for the resource unit. There is a *non-refundable* \$50.00 registration fee (per teacher), but no charge for resource kit materials, which represent a \$250-\$350 value - *they are FREE!!* It is up to the host group to determine if it will pay the registration fee for participants.

To book a Workshop for your district: Phone Kevin Barclay at 604-681-4321 ext. 108.

K-3 INTEGRATED RESOURCES UNIT: KIDS AND ROCKS

This teacher-written, comprehensive resource unit uses a topic of real fascination to most children – **rocks** – to build literacy skills, address topics in the social studies, and to integrate math and fine arts. It is a marvellous language arts unit which validates a child's natural curiosity about the world around them, and introduces them to basic concepts of Earth Science, knowledge that is so crucial to being an informed citizen in our world today.



Unit Overview:

- | | |
|--|------------------------------------|
| Topic 1 - Introduction to Rocks | Topic 5 - Three Types of Rocks |
| Topic 2 - Introduction to Minerals | Topic 6 - History and Mining in BC |
| Topic 3 - The Importance of Rocks and Minerals | Topic 7 - Geography |
| Topic 4 - Mining and Community in BC | Topic 8 - Safety |

The kit includes: an instructional binder with Blackline Masters; colour photos of the mining process; B&W photos from a historical mining community; a support package with several posters; *What's a Mine?* and *I am an Exploration Geologist* (colouring books), *It Comes From a Mine*, *Gold Fever Trail*, *Rocks & Soils*, *Let's Go Rock Collecting*, *A Field Guide to the Identification of Pebbles*, *Mining Community: Elkford*, *BC* books and *Elkford* activity book; plus four rocks, one mineral, and a streak plate; and one video on DVD. Plus *Mining in BC* bookmarks and more!

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, learning about mining communities, the discovery and recovery of ore deposits, the uses of metals in modern society, mining careers, and mining and the environment.

Unit Overview:

Section I: Mining in the Past

Topic A - Novel Study: *Pit Pony*

Topic B - A Field Trip to Britannia

Section II: Mining in the Present

Topic C - Mining - What's In It For Me?

Topic D - From Hard Rock to Heavy Metal

Topic E - Mapping The Mines

Topic F - Trucks 'n Tools

Topic G - Here's a Career!

Topic H - From Mine To You

Topic I - Environmentally Involved

Section III: Mining in the Future

Topic J - Mines of Tomorrow

Section IV: Integration

Topic K - Integration Webs



The kit includes: an instructional binder with teacher information; Blackline Masters and student activities; two sets of B&W historical slides from Britannia on DVD; colour photo cards; a support package with several posters and mineral information pamphlets; *Pit Pony*, *Mining Explained*, *A Field Guide to the Identification of Pebbles*, *Mineral Mania!* and *What's a Mine?* and *I am an Exploration Geologist* (colouring books); hand samples of seven different rocks, five ore minerals, and five streak plates; and eleven videos on two DVDs. Plus *Mining in BC* bookmarks and more!

UPCOMING WORKSHOPS

The MREPBC is offering the *K-3 Integrated Resource Unit: Kids and Rocks* and the *Grade 5 Integrated Resource Unit on Mining* workshops in the following communities:

COQUITLAM - FEB. 15, 2008

Register online at: www.cta43.org.htm or contact: Chris King at the CTA, pd43@bctf.ca.

KAMLOOPS - FEB. 22, 2008

Contact: Lorraine Balogh at the KTTA, kttat@telus.net or visit www.ktta.ca.

CRANBROOK - APR. 25, 2008

To be confirmed. Contact the MREPBC to express interest (kbarclay@bcminerals.ca).

Listings and details of upcoming workshops are posted under **Workshops** at: www.bcminerals.ca. Contact the MREPBC office for more information.

The MREPBC also offers workshops for its Secondary-level resource units, *Earth Science 11/Geology 12 "Resources & Ideas"* and *Science of Mining* (secondary science) for interested groups. For details on these workshops, please visit www.bcminerals.ca/files/teacher_resources/000033.php.

Conferences, Field Trips & Special Events



To express interest in attending the following events, conferences and special events, please complete the registration form on Page 8. The MREPBC or a sponsor is pleased to provide limited TOC support where indicated (**TOC**).

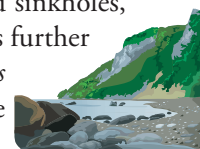
KEG 2008 COMMUNITY LECTURE SERIES - JANUARY - APRIL 2008



Hosted by the Kamloops Exploration Group (KEG), this *free* lecture series is designed to improve the general public's understanding of Earth Sciences and mineral exploration. Held in the evening in Kamloops, they are a great opportunity to meet with local explorationists and find answers to your questions about rocks, minerals, and fossils. First lecture is Thursday, January 17th, 2008 at 7:00 pm at Forsters Convention Centre at the Best Western Towne Lodge. There is no cost to attend and everyone is welcome. For information visit: www.keg.bc.ca/Lecture.html.

INTERACTING WITH YOUR LOCAL LANDSCAPE, KAMLOOPS - FEBRUARY 22, 2008

Natural Resources Canada geoscientist Dr. Bob Turner will be presenting a workshop on the new GeoTour Guide for the Kamloops area on the Kamloops Pro-D day. The guide offers a broad-ranging look at the stories behind the origin, resources, and issues of the Kamloops landscape: its rivers and rocks, floodplains and fossils, mines and mineral resources, silt bluffs and sinkholes, water supply and wastewater disposal. Dr. Turner has been instrumental in helping both teachers and students further their understanding of the landscapes found in their own backyards through his work on *Geoscapes* and *Waterscapes* of BC communities (geoscape.nrcan.gc.ca). This will be an outstanding resource for Geography 12, Earth Science 11 and Geology 12 teachers. Contact Lorraine Balogh (ktta@telus.net) at the KTTA to register.



KAMLOOPS EXPLORATION GROUP (KEG) CONFERENCE - APRIL 1-2, 2008 **TOC**

The Kamloops Exploration group will be holding its annual conference at Forsters Convention Centre in Kamloops. KEG encourages teachers to become more aware of the minerals industry through their conference and have offered to waive the registration fee for *three* local teachers to attend. The MREPBC will provide TOC support. Teachers must register through the MREPBC to have their fees waived and to receive TOC support. For more details on the conference as they are posted visit: www.keg.bc.ca. **Registration deadline: March 24.**

BC GEM SHOW: ROCKS TO RICHES - APRIL 4-6, 2008

Central Fraser Valley Fairgrounds, Abbotsford. This annual show features dealer and club displays with rocks, minerals and gems from across BC as well as a children's creative workshop where children receive a kit of material to make a "Critter" with a tumbled rock. Admittance to the show on **Friday, April 4th** is *free* for students accompanied by a teacher and chaperoning adults. To book your class visit on "Student's Day", contact Donnamae Chionis at rocklady@shaw.ca or 604-836-2303. Web site: www.lapidary.bc.ca/gemshow.html.



MINERALS NORTH CONFERENCE , SMITHERS- APRIL 16-18, 2008 **TOC**

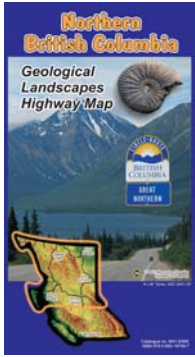


Minerals North returns to Smithers, BC in 2008. Held at the Smithers Civic Centre and Curling Club, the conference brings the minerals industry together with a broad spectrum of people in northern BC communities: municipal and aboriginal representatives, business people, contractors, students and environmentalists. It offers teachers a great venue to meet people and learn about mining and exploration projects, and to get more information on the impacts and benefits of mining. The organizers of *Minerals North* will waive the conference registration fee for *three* local teachers to attend and have provided funds for MREPBC to disperse for TOC support as required. For more details on the *Minerals North* itinerary as they are posted, visit: www.mineralsnorth.ca. **Registrations deadline: Apr. 11.**

ELK VALLEY COAL FIELD TRIP FOR TEACHERS - APRIL 25, 2008

In conjunction with the Cranbrook region RSA day, the MREPBC is coordinating an all-day field trip sponsored by Elk Valley Coal for teachers to Elkview Mine near Sparwood, BC. The field trip will be guided by mine personnel and include pit operations, processing, and reclamation. This is a great opportunity to learn about coal and the mining, experience the scale of an operation, learn about environmental impacts and mitigation practices, and become aware of the variety of careers in mining. A \$25.00 *refundable* registration deposit is required; bus transportation from Cranbrook will be provided. More details will be posted at: www.bcminerals.ca/pdf/EVC-FT08-Web.pdf as they are available. To express interest in registering, see Page 8. **Registration deadline: Apr. 11.**





NORTHERN BC GEOLOGICAL LANDSCAPES HIGHWAY MAP

Through a cooperative project, the Geological Survey of Canada (GSC) and the BC Geological Survey have recently produced a geological landscapes highway map for Northern British Columbia. Designed similar to the familiar and useful *Geoscape* poster series (geoscape.nrcan.gc.ca), the bedrock geology map sheets are framed by beautifully illustrated information boxes that explain many of the interesting geological features in greater detail (e.g. Skeena and Bulkley river valleys, Prince George and Plateau country, and the Northern Rockies.) The map also includes markers and information on past and current mine developments, as well as future prospects. The MREPBC has been provided with copies of this poster for *free* distribution to teachers in BC. An order form is found on Page 8. The map can also be purchased through the GSC bookstore in Vancouver. View it at: www.empr.gov.bc.ca/Mining/Geosurv/Publications/GeoFiles/Gf2007-1/toc.htm.

STOP DISASTERS GAME

The United Nations' International Strategy for Disaster Reduction (ISDR) is a consortium of organizations with the objective of reducing the number of casualties caused by disasters triggered by natural hazards such as floods, earthquakes and volcanoes. ISDR has developed an online game aimed at teachers and students to help them learn about ways to prevent and mitigate the damages of disasters. The game is developed for students aged 9-16 either working independently or in groups. It features multiple scenarios with variable levels of difficulty, straight forward controls, and student-friendly graphics and sound. The *Stop Disasters Game* runs on any PC, Mac or Linux computer with Flash support and an Internet connection. It can be played for *free* at: www.stopdisastersgame.org. In addition, the Web site includes numerous Web links to sources of information on natural disasters for both students and teachers.



UNDERGROUND MINING METHODS ANIMATIONS

The Video Resources section of www.bcminerals.ca includes Sandvik Tamrock animations demonstrating Room and Pillar Mining, Cut and Fill Stopping, Sublevel Stopping and Sublevel Caving mining methods. These streaming video animations show the unique equipment used today and can help students understand the different approaches to mining underground. View the animations here: www.bcminerals.ca/files/video_resources/000168.php.

FROM NORTHERN LIGHTS TO URBAN TRAILS



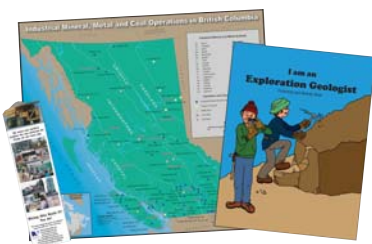
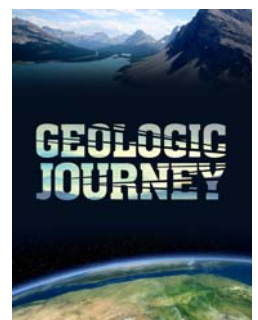
PDAC *Mining Matters*, in partnership with the Geological Survey of Canada and planetearth, has created a new poster resource called *From Northern Lights to Urban Trails*. The colourful poster examines a snow mobile, detailing

the mineral products that make up each of its individual parts, noting the minerals' production and top producers, and providing photos of metal-bearing ore minerals. The poster also includes mineral facts that draw connections between minerals and other products used in daily life.

Teachers who have taken MREPBC's Grade 5 Integrated Resource Unit on Mining workshop received a copy of this poster enclosed with this newsletter. Teachers who did not receive the poster may request a free copy on Page 8.

GEOLOGIC JOURNEY ON DVD AND VHS

This groundbreaking, five-part series which traces the extraordinary history of the North American continent is now available for purchase on DVD or VHS. Both personal and educational licenses of *Geologic Journey* and accompanying teachers' guide may be ordered directly through the following links to the CBC store: <http://tinyurl.com/ywn2sv> (for personal use) and <http://tinyurl.com/2y8v83> (for educational use).



FREE MREPBC COLOURING BOOK, POSTER AND BOOKMARKS

Don't forget to order your *free* MREPBC-developed materials: *I am an Exploration Geologist* colouring book, *Mining in BC* poster and *Mining in BC* bookmarks to complement your mining or geology unit. Supplementary resources and activities for the *Mining in BC* poster are available in PDF at: www.bcminerals.ca/files/teacher_resources/000244.php. See Page 8 to order.



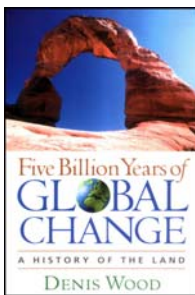
NICKELQUEST

NickelQuest, an animated, virtual mine tour developed by the Ontario Mining Association, has been created to help teachers inform their students about the underground mining process, safety procedures, products made from nickel and the varied career pathways that mining offers. Download the *NickelQuest* video at: www.oma.on.ca/Video/DownloadRegistration.aspx. The download requires a simple registration, but the file can be downloaded in either Windows Media or Quicktime format for future viewing.



5 BILLION YEARS OF GLOBAL CHANGE: A HISTORY OF THE LAND Denis Wood - Guilford Press

Demonstrating how the story of our past can help us better understand the present, geographer Denis Wood tells the story of our entire past. *Five Billion Years of Global Change* takes readers through the formation of the Earth's atmosphere, oceans, continents, and mountains; the origin of life; the evolution of the human species; the spread of agricultural production; and the growth of international trade. Wood shows how a greater knowledge of the interconnectedness of our world could change the way we approach contemporary problems. Available from Chapters.ca and Amazon.ca.



EXPLORING BAFFIN ISLAND

Take a quick peek into the very cool life of an exploration geologist as he spends his summer in the Canadian Arctic. A geologist working with the Geological Survey of Canada and Nunavut Geoscience created a two minute amateur film that combines video and still photos to provide a glimpse of his experience at a base camp near Mingo Lake on Baffin Island. His video is posted on YouTube at: www.youtube.com/watch?v=Rwf6nozHBIw.

This is a great video to show to secondary students, but also useful for children in connection with their study of rocks and a great companion to MREPBC's *free I am an Exploration Geologist* colouring book. (See Page 8.)

MINING EQUIPMENT FACT SHEET

Open-pit mining operations require extremely large, specialized equipment to operate, including haul trucks, hydraulic shovels, and drills. An information sheet detailing the size, capacity and cost of the equipment in use at BHP Billiton's Ekati Diamond Mine in the Northwest Territories can be viewed at: <http://ekati.bhpbilliton.com/common/downloads/MiningEquipment.pdf>.



GALORE CREEK MINE DEVELOPMENT ON HOLD



On November 26, 2007 NovaGold Resources and Teck Cominco announced they will suspend construction activities at the Galore Creek copper-gold-silver project in northwestern British Columbia. A recent review and completion of the first season of construction indicate substantially higher capital costs and a longer construction schedule for the project. The review, conducted by AMEC, an independent engineering firm, covered the entire project with a focus on construction of the mine facilities and tailings and water management structures. This, combined with reduced operating margins as a result of the stronger Canadian dollar, would make the project, as now conceived and permitted, uneconomic at current consensus long-term metal prices. NovaGold and Teck Cominco continue to view the property as a substantial resource and will initiate a comprehensive review to evaluate alternative development strategies. For the news release and more information visit the Teck Cominco Web site: www.teckcominco.com/Generic.aspx?PAGE=Media%20Pages/Media%20Detail&releaseNumber=07-35-TC&portalName=tc.



RECYCLING TIP

For several years we have been encouraged to replace familiar incandescent light bulbs with energy saving compact fluorescent bulbs (CFB). A CFB generates the same amount of light as the same wattage incandescent bulb using 1/4 to 1/5 of the electricity, and they last up to 7 times longer!

Did you know that CFBs contain a small amount (4 mg) of mercury, a metal that is toxic to fish and humans? They should not be put in your garbage to be dumped in our landfills. BC Hydro advises that CFBs may be *returned to select retailers* in many communities across BC, a listing of which is provided on www.bchydro.com/powersmart/elibrary/elibrary40640.html. Save your dead CFBs and return them to the nearest recycling retailer near you!



BC MINING CLASS OF THE YEAR 2008 COMPETITION

Just a reminder that the MREPBC is still calling for entries to our **BC Mining Class of the Year 2008** competition. The theme for this year's competition is *BC's Rich Mining History*. If you are teaching a mining unit, this is a great way to engage your students in more in-depth learning and open their eyes to another facet of this primary

resource industry. There are great prizes for the classes, the teachers and the schools. Download contest guidelines and complete information about sources of historical information at: www.bcminerals.ca/pdf/BCMCYr2008.pdf.



Involve Your Students!

WINTER 2008

Field Trip Destinations

TRAVEL SUBSIDY INCREASED TO \$200

In response to increasing transportation costs, the MREPBC's Field Trip Travel Subsidy has been increased to \$200. The subsidy is available to teachers to help offset the costs of taking their students on a field trip to mining/geoscience venues. Download an application at: www.bcminerals.ca/pdf/FTripSub2008.pdf.

BC MUSEUM OF MINING, BRITANNIA BEACH



Britannia Beach, BC. The BCMM will be holding special activities as part of *BC Mining Week*. To find out more contact Rory at 1-800-896-4044 ext. 226 or visit their Web site: www.bcmuseumofmining.org.

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/resources/museum/index.html.

SFU EARTH SCIENCES LAB

Located at Simon Fraser University, Burnaby, BC. Open Monday and Friday only. Contact: Ms. Robbie Dunlop at rdunlop@sfu.ca.

EARTH'S CRUST & ROCKS 101

H.R. MacMillan Space Centre & Vancouver Museum, Vancouver, BC. *Earth's Crust* is a 45-minute planetarium show that answers geologic questions about the Earth. *Rocks 101* is a 1-hour hands-on workshop on rock identification and the geological history of the Lower Mainland. For information call 604-738-7827 ext. 241 or visit www.hrmacmillanspacecentre.com/education.htm.

BC MINING WEEK & COMMUNITY FAIR - MAY 11-17, 2008



In celebration of *BC Mining Week 2008*, geoscience, exploration and mining organizations and companies in Vancouver will be hosting a one-day community fair outside of the Vancouver Art Gallery on May 14th.

The community fair is *free* and will be open all. The MREPBC is coordinating and supporting teacher and student attendance. If you would like your class to attend, see Page 8. For more details, or information on other *Mining Week* activities elsewhere in BC, visit: www.bcminerals.ca/files/conferences/000330.php.



JACK CEWE LTD.

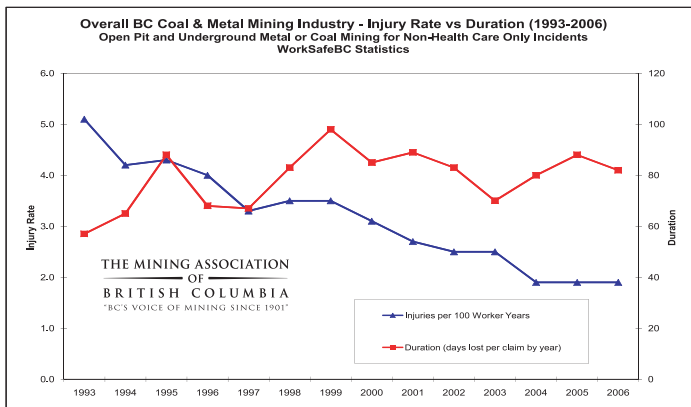
Pipeline Road, Coquitlam, BC. Family-owned Jack Cewe welcomes classes to visit and learn about their aggregate operation in the Coquitlam River Valley. Contact Carmen Green at (604) 526-0751.

BEDROCK GRANITE SALES

1865 Pipeline Road, Coquitlam, BC. Bedrock Granite Sales welcomes classes to learn how dimension stone is processed and used. Contact Roy Stead at (604) 941-7783.

MINING SAFETY, CONTINUED FROM PAGE 1

Safety of its workers is a priority of the mining industry, with health and safety part of every new and experienced worker's training. Persons trained in first aid are on site at all times to immediately deal with injuries when they occur. Mines also have highly-trained rescue teams on every shift that are capable of responding to critical situations in surface and underground settings. The attention to safety is reflected in the graph below that shows a declining injury rate for more than a decade and has made mining the safest heavy industry in British Columbia.



Safety regulations, prevention resources and statistics from the mining industry are available from the Mining Association of BC (www.mining.bc.ca/association_services/environment.htm) and details on the broader metal and non-metallic mineral products sector are available from WorkSafeBC (www2.worksafebc.com/Portals/MetalMineral/Home.asp).

MINING CAREER PROFILE VIDEOS, CONTINUED FROM PAGE 1

The MREPBC is pleased to share these projects with other students and teachers via streaming video on our Web site: www.bcminerals.ca/files/careers_in_the_minerals_industry/000328.php. Nine profiles are currently online and additional videos will be posted as they are completed. The MREPBC invites other teachers to take up a similar video project with the students and workers in their communities.

Contact the MREPBC for more details (stenzel@bcminerals.ca).



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Thank you to Eric Rustand for his enthusiasm and direction on this project, to the videography students for their hard work on the filming and production, and a special thanks to the "stars" of the interviews, BC's valuable minerals industry workers.

EARTH SCIENCE JOKE OF THE DAY

Never lend a geologist money. They consider a million years ago to be recent.



Registration

Materials for Order

MINERAL EXPLORATION ROUNDUP 2008

- I am submitting the names of my secondary students (attached) to attend *Roundup 2008* on Wed. Jan. 30, 2008.
- I would like to attend *Teachers' Day* on Thurs. Jan. 31, 2008.
- I would like to attend the *Roundup 2008 Trade Show* for my own professional development on the following day: (please select one)
 - Mon. (Jan. 28) Tues. (29) Wed. (30) Thurs. (31)

Please complete the contact information below and return to the MREPBC via fax. You will be contacted with additional details regarding teacher and student programs. **Deadline: January 22, 2008**

KEG CONFERENCE - APR. 1-2, 2008

I would like to attend the *KEG* conference in Kamloops on:

- Tuesday, Apr. 1 or Wednesday, Apr. 2
- I require a TOC

Please complete the contact information below. **Deadline: Mar. 24, 2008.**

MINERALS NORTH - APR. 16-18, 2008

I would like to attend the *Minerals North 2008* conference in Smithers on:

- Thursday, Apr. 17 or Friday, Apr. 18
- I require a TOC

Please complete the contact information below. **Deadline: Apr. 11, 2008.**

ELKVIEW COAL MINE FIELD TRIP, APR. 25, 2008

- I will attend the all-day tour of Elkview Mine on April 25, 2008. Please complete the contact information below and enclose a \$25 *refundable* registration deposit. Detailed itinerary and registration confirmation will sent via fax or email. **Deadline: April 11, 2008.**

MINING WEEK COMMUNITY FAIR - MAY 14, 2008

- I am interested in bringing my class to the *BC Mining Week 2008 Community Fair*. Please contact me with more details.

Please complete the contact information below.

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

Mineral Resources Education Program of BC, 900 - 808 West Hastings Street, Vancouver, BC V6C 2X4
 Tel: 604-681-4321 ext 108/115 Fax: 604-681-5305

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: _____

SAVE PAPER! RECEIVE *TEACHERS' UPDATE* BY EMAIL

The MREPBC would like to reduce the consumption of paper and postage costs for mailing the *Teachers' Update* newsletter. You can help by opting to receive the electronic version instead.



- I would like to be notified of future *Teachers' Updates* by email. Notification will be sent when a new *Teachers' Update* is available for download from www.bcminerals.ca.

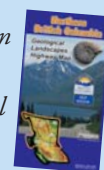
Please fill in your name, school and email address below, then return this form via fax to (604) 681-5305, or email your request to kbarclay@bcminerals.ca so that we may update our records.

NEW FREE! RESOURCES



Please send me:

- a *free* *From Northern Lights to Urban Trails* poster. (appropriate for all)
- a *free* *Northern BC Geological Landscapes Highway Map*. (appropriate for Grade 7 and up)



FREE! MREPBC RESOURCES

Please send me:

Mining in BC Poster

- a *free* copy of the *Mining in BC* poster.



Mining in BC Bookmarks

- free* *Mining in BC* bookmarks _____ copies

I am an Exploration Geologist colouring book

- Please send a single copy *free of charge*.
- I would like to pick up _____ copies (max. 100) *free of charge* from the MREPBC office in downtown Vancouver. Please contact me when my order is available for pick up.

Please complete the contact information below with mailing address.