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## Happy New Year!

We hope your holidays were restful and joyful. We wish you all the best for this new year! In this Winter 2013 issue, you will find updates on our usual programs and information on exciting new resources. Enjoy!

## MineralsEd at Mineral Exploration Roundup 2013, Vancouver

The *Association for Mineral Exploration BC (AME BC)* is hosting their 28<sup>th</sup> annual world-class, technical conference. For the 10<sup>th</sup> year in a row, *MineralsEd* is partnering with *AME BC* to offer our unique educational programs.

### Secondary Student Career Exploration Day - Monday, January 28

The day features guest speakers who work in industry, opportunities to meet post-secondary students in related fields, exploration of the tradeshow, and more! Interested Grade 11 and 12 students are cordially invited to join us to explore *Roundup*. Students must be nominated by a teacher to attend. Limited spaces available. More information and registration at: [www.MineralsEd.ca/s/OutreachPrograms.asp](http://www.MineralsEd.ca/s/OutreachPrograms.asp). *Deadline: January 21.*



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### Elementary Roundup Rockhounds - Tuesday, January 29

This year's guests are students from four Grade 5 and 7 classes from Kerrisdale Elementary, Vancouver; Seaforth Elementary, Burnaby; and École Cedardale, West Vancouver. These students' Earth sciences and mining class projects will be on display all week! The *Rockhounds* will be part of a fun, hands-on program

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### IMPORTANT!

As of 2014, we will no longer send individual print mail-outs of the *MineralsEd Connections*. To ensure you receive this and all the **monthly e-updates**, request the **switch to e-mail** at [info@MineralsEd.ca](mailto:info@MineralsEd.ca).

**By teachers, for teachers.**

## MineralsEd Pro-D Events

*MineralsEd* will be presenting elementary and secondary workshops at the **Richmond School District Convention** (SD 38) on **Feb. 8**, and again at the **Greater Victoria Teachers' Association** conference on **Feb. 15**.

Registration details for these workshops are available at: [www.MineralsEd.ca/s/TeacherWorkshops.asp](http://www.MineralsEd.ca/s/TeacherWorkshops.asp). *Deadlines: Jan. 25* (for Feb. 8) and *Feb. 1* (for Feb. 15).

A \$50 per teacher registration fee applies for each workshop.

### **K-3 Integrated Resource Unit: Kids and Rocks**

This interactive workshop, delivered by *MineralsEd* partner-teacher Ann Brace, introduces this outstanding integrated unit built around the theme of rocks. The fun, hands-on activities in this unit help develop reading and writing skills, and engage children in learning across the curriculum (science, math, safety, personal planning, art, music).

### **Gr. 5 Integrated Resource Unit on Mining**

This hands-on workshop, delivered by *MineralsEd* partner-teacher Andrea Eisler, presents an overview of this cross-curricular resource (social studies, science, language arts, etc.), and shares practical examples on implementation.

### **Gr. 7 Resource Unit: Earth Sciences**

*MineralsEd* partner-teacher, Kerry

Lockwood, introduces this comprehensive, activity-oriented unit through a selection of the engaging hands-on lessons that will help you teach the fundamentals of geology, rock and mineral identification, structure of the Earth, plate tectonics, Earth's history and much more!

### **Discovering Diamonds**

*MineralsEd* presents this senior secondary unit to BC teachers on behalf of PDAC's *Mining Matters* (Ontario). This superb teacher-written unit uses diamonds as an integrating theme through which to study a variety of concepts in senior level Earth science and geology courses.

*MineralsEd* workshops provide each teacher with a comprehensive, ready-to-use kit, including a 300+ pg. binder, multi-media resources, posters, teaching rock sets, and more!

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that includes an exploration geology talk, rock, mineral and fossil collections, gold panning, guided trade show exploration, and more!

### **Teachers' Day at Roundup 2013 - Thursday, January 31**

Teachers are invited to attend *Roundup* to learn more about mineral resources, modern exploration and mining. Our guest speakers will share their knowledge and experience to present a well-rounded perspective on the processes and issues that are unique to the industry. This is an excellent, **free pro-d opportunity** for teachers of all grade levels and subjects. TOC support is available from *MineralsEd* for a limited number of teachers. Register at: [www.MineralsEd.ca/s/IndustryConferences.asp](http://www.MineralsEd.ca/s/IndustryConferences.asp). *Deadline: January 21.*

## MineralsEd in your community

*MineralsEd* delivers half-day pro-d workshops all across BC for these units:

- K-3 Integrated Resource Unit: Kids and Rocks;
- Grade 5 Integrated Resource Unit on Mining;
- Grade 7 Resource Unit: Earth Sciences;

- Discovering Diamonds (senior secondary unit (*Mining Matters*)).

Details on units and kit contents: [www.MineralsEd.ca/s/ResourceUnits.asp](http://www.MineralsEd.ca/s/ResourceUnits.asp). Request these workshops in your district! Contact us at [info@MineralsEd.ca](mailto:info@MineralsEd.ca) or phone 604-682-5477.

## Involve Your Students!

### **Kids & Rocks classroom workshop**

This hands-on workshop, presented by partner-teacher Ann Brace, allows K-3 students to explore rocks, their properties, what they are made of and how they formed. *Kids & Rocks* is currently available to Lower Mainland schools only. • 2.5 - 3 hours; mornings only • \$5.00/student, min. \$100.00/class • 2-3 parent helpers • To book, visit [www.MineralsEd.ca/s/ClassroomWorkshops.asp](http://www.MineralsEd.ca/s/ClassroomWorkshops.asp). A few spots still available for late Spring 2013.



### **WHERE Challenge**

*What on Earth is your stuff made of? And WHERE on Earth does it come from?* Join this Canada-wide contest (ages 9 to 14) by telling a story about one or more non-renewable Earth resources needed to create any object, and WHERE these resources come from! Both individuals and classes can participate. More information at [www.earthsciencescanada.com/where](http://www.earthsciencescanada.com/where). *Deadline: March 1, 2013.*

### **Gold Panning in the Classroom with Yukon Dan**

'Yukon Dan' Moore is a one-of-a-kind presenter who teaches the art and science of gold panning to students of all ages. Dan's 75-90 minute hands-on workshops support a wide range of topics related to social studies, Earth science, sustainable resources, etc. He engages students in learning about the history of the Canadian gold rushes,

particularly the Fraser River, Barkerville and Yukon gold rushes, pioneer days, rocks and minerals, the importance of minerals in everyday life, and much more! Suitable for all grade levels. \$6 per student (school rate only). To book, go to: [www.yukondan.com](http://www.yukondan.com) or phone 604-948-4941.

### **Career Education Support**

*MineralsEd* helps secure placements (within BC's minerals industry) for students enrolled in Work Experience or co-op programs. We also welcome invitations to participate at high school career fairs to share information on BC's mining industry, its workforce needs, and the variety of careers available. For more information, visit: [www.MineralsEd.ca/s/CareerEducators.asp](http://www.MineralsEd.ca/s/CareerEducators.asp).

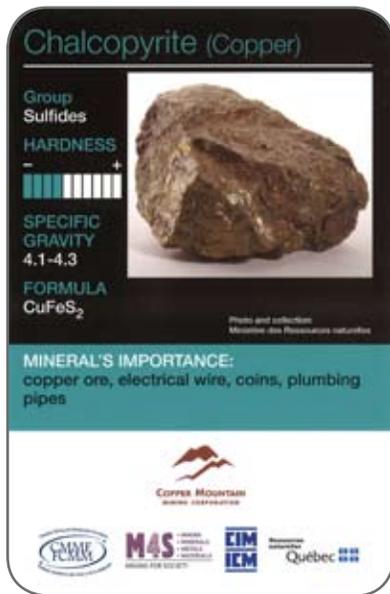
## BC Mining Week Community Fair 2013

*MineralsEd* and AME BC are hosting, once again, the annual *BC Mining Week Community Fair*. On **May 1**, geoscience organizations, mining and exploration companies will come together to present a variety of hands-on activities for the public and students groups who are learning about geology, mineral resources and mining in their classrooms.

*MineralsEd* will coordinate the participation of **ten** classes to attend this **free** event and will cover the cost of transit and/or travel (up to \$200 maximum). For your class to attend, register early at: [www.MineralsEd.ca/s/OutreachPrograms.asp](http://www.MineralsEd.ca/s/OutreachPrograms.asp).

## Resources

A new resource on **Natural Disasters** (Grades 3 to 12) developed by the *Geological Survey of Canada/NRCan* is now available to teachers. A brief explanation and direct links to downloads can be found at: [www.MineralsEd.ca/i/pdf/New\\_GSC-NRCan\\_Teaching\\_Resources\\_NaturalDisasters.pdf](http://www.MineralsEd.ca/i/pdf/New_GSC-NRCan_Teaching_Resources_NaturalDisasters.pdf).



Developed by the *Canadian Mining and Metallurgical Foundation (CMMF)*, the new **National Mineral Card Set** is fun way for your students to learn basic knowledge about minerals, their properties and uses. View the cards at: [www.cmmf72.org/en/national-mineral-card-set](http://www.cmmf72.org/en/national-mineral-card-set).

Renovations at the **Pacific Museum of the Earth** (UBC) are almost complete! Museum tours, school workshops, the gift shop and Vault will start up again soon. The museum has an amazing new look, exciting new collections and interactive displays. Be sure to check back often for new developments! If you have any questions, please call the curator at 604-822-6992 or visit: [www.eos.ubc.ca/resources/museum/index.html](http://www.eos.ubc.ca/resources/museum/index.html)

*Mining your Future* is an 8-episode TV mini-series that showcases the diverse career opportunities in BC's mineral exploration and mining industry. Useful for career educators and their students. Watch the episodes online at: [www.miningyourfuture.com](http://www.miningyourfuture.com).

A new **Planning 10** resource for BC teachers was developed by the *BC HR Task Force* to raise awareness about the wide variety of careers in mining. *Mining Your Future* is free and available by request from [www.acareerinminingbc.ca/educators](http://www.acareerinminingbc.ca/educators).

### TRAVEL SUBSIDIES

Travel subsidies (up to \$200) are available to teachers for geoscience or mining field trips. Download the application at: [www.MineralsEd.ca/s/SubsidyApplication.asp](http://www.MineralsEd.ca/s/SubsidyApplication.asp).



### Upcoming Events

\* Limited TOC support available from *MineralsEd*.

- **Kamloops Exploration Group (KEG) Lecture Series - Jan. - Mar.** For more information and schedules, visit: [www.keg.bc.ca/public.htm](http://www.keg.bc.ca/public.htm).
- **Kamloops Exploration Group (KEG) Conference\*** - Apr. 9-10. Registration details at: [www.MineralsEd.ca/s/IndustryConferences.asp](http://www.MineralsEd.ca/s/IndustryConferences.asp).
- **BC Gem Show - Abbotsford, Apr. 12-14.** \$2 entrance for students. Visit: [www.lapidary.bc.ca/gemshow.html](http://www.lapidary.bc.ca/gemshow.html).
- **Minerals North\*** - Terrace, Apr. 24-26. Registration details at: [www.MineralsEd.ca/s/IndustryConferences.asp](http://www.MineralsEd.ca/s/IndustryConferences.asp). *Deadline: April 15.*