

Peak Area Leadership in Science

Professional Development Opportunities
for Secondary Science Teachers

Three Ways to RSVP:

- www.sciencehubs.org
- email: RSVP@sciencehubs.org
- call Tammy Johnnie at
(719) 337-1552

Chemistry of Rocks, Minerals, & Mining

Saturday, January 26, 2019 9:00 am – 5:00 pm

@ the USAFA Chemistry Department

Presented by:

Gary Balaich, USAFA Department of Chemistry

Ron Furstenau, retired - USAFA Department of Chemistry



You will need a photo ID to access the AFA through the Northgate Entrance.

The gate does not open to the general public until 9 am. Check in at the south steps of the Cadet Field House no later than 9:10 am. The group will depart to hike to the chemistry building promptly at 9:15 am. Late participants will not be permitted to join the group.

No early departures are allowed. Escorted access only.

HIGHLIGHTS

- Chemical Analysis of Rocks, Minerals, and Gemstones
- Fluorescence, Phosphorescence, and Fireworks
- Chemical Analysis of Malachite
- Instrumental Analysis of Metals in Minerals

Remember to Bring...

- Your Science Notebook!
- A Sack Lunch!



* PALS provides a free science notebook at your first meeting of the year !

Don't miss this opportunity to:

- expand your knowledge of science content, teaching pedagogy, and/or enjoyment of all things science!
- earn college credit or document professional development clock hours.
- network with other Pikes Peak Region science teachers.
- acquire new resources and/or walk away with teacher materials.



**SNACKS &
WATER / POP
PROVIDED**



This workshop is made possible
by GENEROUS funding from:



**FOUNDATION
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& The Mikkelson Education Fund
*Providing Support for Teachers
to Improve Technical Knowledge and Skills*

Additional Funding by



**USAFA K-12 STEM
Outreach Program**

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in Science**

Check out our website at
www.sciencehubs.org

Photo at top provided by Rose DiCenso.

In compliance with Colorado School of Mines regulations, children of participants may not attend Hub meetings or activities.