

Nittany Mineralogical Society presents...

***KIDS in grades 1 – 8! Get cool rocks, minerals, and fossils and learn more***



***about nature on March 30 2019 at***

## **Minerals Junior Education Day**

**Stations this year include:**

Gold panning  
Caves & karst  
Petroleum drilling  
Iron ore minerals & iron making  
Fossil shells (invertebrates)  
Gemstones  
Face paint: Mineral streak  
Meteorites  
Sphere grinding machine  
Cleavage & fracture  
Ultraviolet fluorescence

**Includes specimens to take home, plus a sales table at low prices – bring cash!**

**When: Saturday, March 30, 2019**

**Where:** Central PA Institute of Science and Technology  
540 North Harrison Road  
Pleasant Gap, PA 16823  
(Just off I-99 North, Exit 80)

**Cost:** Only \$5 per child; parents come along for free.

Get more details, updates, and video at

**[www.nittanymineral.org](http://www.nittanymineral.org)**



**Please register by  
Wednesday March 27.**

Pick your starting time: 9:00 a.m., 9:15, 9:30, 10:00, 10:30, 11:00, 11:30, Noon, 12:30 p.m., or 1:00 p.m. To reserve your starting time, using the website to **register and pay by PayPal is the best way:** [www.nittanymineral.org](http://www.nittanymineral.org)

Otherwise, see the website and reserve your time by sending email to [nittanymineral.org@gmail.com](mailto:nittanymineral.org@gmail.com) or call 814-822-0292; please speak clearly and repeat your message. After receiving confirmation of your time slot by e-mail or phone, you can pay \$5 per student at the event. No checks or cash through the mail.

## **Join the Junior Rockhounds: Rocks, Fossils, and Minerals Club!**

**Who:** You! Best for 3<sup>rd</sup> through 8<sup>th</sup> graders WITH their parents.

**What:** Junior Rockhounds Science Club – Rocks and Minerals Programs.

**Where:** NEW LOCATION: BOALSBURG FIRE HALL

113 E Pine Street, Boalsburg PA 16827

**When:** Mondays, 6:15- 7:00 p.m.

**Spring 2019 Schedule:** Feb. 18, 25; March 11, 18, 25; April 1, 8, 15, 22, 29; May 6.

**Cost:** Free! (plus students get free mineral samples and a collection box)

**Topics:**

Feb 18: What is a mineral? (how to tell minerals from rocks, fossils, man-made stuff, etc.)

Feb 25: Dinosaurs

Mar 11: Chemistry of minerals (flame tests, acid reactions, cooking minerals, and more)

Mar 18: Breaking minerals (using hammers and chisels to fracture and cleave minerals)

Mar 25: Glow-in-the-dark minerals (fluorescence under UV light)

Apr 1: Magnets and electricity and minerals (conductive and magnetic minerals)

Apr 8: Radioactive rocks, poisonous/dangerous minerals, and more

Apr 15: Volcanoes and volcanic rocks

Apr 22: Fossils and sedimentary rocks

Apr 29: Gemstones, and more!

May 6: Crystals (how to measure them, how they grow)

**Parents:** Please accompany your student! All materials provided free of cost. Each student gets a free plastic collection box. At each session students get specimens to add to their personal collection. Hands-on, messy, fun! Science, learning, and family fun!

**Collecting Field Trip/ Cave Trip** (parents drive/open to all) – More info on time, date, will be announced later.

**Sponsored by:** Junior Museum and Nittany Mineral. Society

**Questions?** Contact Dr. Andrew A. Sicree at [aas132@psu.edu](mailto:aas132@psu.edu) or (814) 867-6263.

**Coming on Saturday March 30:**

**Minerals Junior Education Day**

**Registration opens mid-March**