



# 6th ANNUAL FREE WEBELOS EARTH ROCKS Hands -on WORKSHOP

PICK A TIME WITH YOUR DEN OR FAMILY

[www.orangecountymineralsocietynewyork.com](http://www.orangecountymineralsocietynewyork.com)

Orange County Mineral Society of New York

Annual Rock, Mineral, Fossil and Jewelry Show at Museum Village, 1010 Rt 17M, Monroe, NY 10950

June 1 & 2, 2019

FREE Parking and FREE admission to the show for *Scouts in Uniform and children 12 and under*

Please join this FREE workshop to earn the *Earth Rocks* (was GEOLOGY) elective adventure for the *Arrow of Light*. Den Leaders, Your Webelos 1 and 2 and Bears that are about to become Webelos are eligible !!!

Dr Tedford has been teaching this workshop for the past 5 years with the ORANGE COUNTY MINERAL SOCIETY. Choose any session on either Saturday June 1 at 1030AM, 1230PM, or 230PM, or Sunday June 2 at 1030AM or 1230PM at the Museum Village rain or shine!  
Parents and siblings are welcome to attend.

1. If possible, please email [mgtedfordmd@gmail.com](mailto:mgtedfordmd@gmail.com), or call ahead for planning 845-561-4466, or on the weekend 845-542-6441.
2. Scouts please bring several rocks collected with your den or family, including a piece of quartz, sandstone or shale, granite, a penny, a piece of steel (steel nail or washer), a small glass jar or bottle, magnifying glass, Webelos handbook.

**Meet at the Mastodon** and lets get started before it gets too hot.

We have hands-on activities to learn and have fun! **WOW! New treasures from a real prospector!**

1. Define Geology, the study of the earth: formation, layers, components and processes, and why so important?
2. find different kinds of rocks. 3 different types are igneous from magma (pumice, granite), sedimentary from sediment particles (sand stone, shale, limestone), metamorphic changed by heat or pressure (garnet, diamond, marble).
3. identify the rocks you found with your family or den, and find the surprises from the prospector. Use your magnifier.
4. Mohs hardness scale fingernail 2.5, calcite or copper penny (pre1973) 3.5, steel nail 5, knife blade 5.5, glass 6-7, quartz 7, diamond 10
5. Identify geologic features on the state map: mountains and hills are eroded into valleys, rivers and oceans by wind, water, ice, sun
  - 6a. geologic materials in your home, cement, stone, gypsum, steel, copper, silicon fiberglass, glass, aluminum, oil, gas, water, air
  - 6b. geologic materials in the community, roads, bridges, towers, wires, vehicles, buildings, farms, fields

**HAVE FUN WITH EARTH ROCKS!!!!**