



Sterling Hill Mining Museum
2018 GeoSTEM Summer Academy for Middle School and High School Teachers

Geo-Engineering Solutions for Living on Earth

August 20-22, 2018

Description:

Did you know that building a home requires a full understanding of the local geology? Otherwise, adverse consequences may occur ranging from a flooded basement to losing a home to a landslide! This active 3-day workshop explores some of the engineering challenges and solutions New Jersey faces. It is perfect for educators seeking ideas for infusing engineering (NGSS-ETS) into their Earth & Space Science, Physical Science, or Environmental Science curricula. The academy will take place at Sterling Hill Mining Museum, which is the perfect living laboratory to host such a workshop given the amazing engineering feats that took place to mine the zinc. Attending teachers will receive classroom resources to effectively tie the content into their curricula related to the two Next Generation Science Standards stated above. Additionally, professional development hours will be provided. This event is sponsored by Sterling Hill Mining Museum and Picatinny Arsenal STEM Outreach Office.

Schedule: 9:00 AM to 3:30 PM each day (8:30 AM check-in)

August 20th - Day 1: GeoTechnical Engineering and Natural Resource Acquisition

August 21st - Day 2: Field Study

August 22nd - Day 3: GeoTechnical Engineering in Your Backyard

Audience: Space is limited to 24 middle school and high school science and technology teachers

Logistics: Sterling Hill Mining Museum in Ogdensburg, NJ

Workshop Fee: \$75 (cost includes lunch, snacks, and materials)

Housing: The Quality Inn is located at 15 Route 94, Vernon Township, NJ 07462.
Contact them at (973-827-4666) for rates and availability

Mobility: We will be active outside which will require some walking or light hiking.
Please let us know if accommodations need to be provided.

Registration: Registration opens March 1, 2018 and closes May 15, 2018.

Registration link: <https://goo.gl/forms/nEh3H2hQHdK02Ssv1>

Workshop Contact: Missy Holzer at mholzer@monmouth.com