



OLIN HALL

2015 Summer Course Announcement

Open Earth Systems: An Earth Science Course For Maryland Teacher Professional Development

July 6 - 15, 2015 at Olin Hall, Johns Hopkins University

When: July 6 – 15, 2015; 9:30-4:30 weekdays

Credits: MSDE & Baltimore City AU approved 3 credits

For: Maryland teachers, K-12 (no science or math prerequisites)

Perks: Lunches and parking provided

By: JHU Earth and Planetary Sciences faculty and researchers

Contact: Teresa Healy: thealy@jhu.edu

Offering expert instruction in Earth science with hands-on activities and supervised lesson planning over four topics:



Plate Tectonics & Rock Cycle

- Earth's internal structure and heat engine
- Lithosphere in motion and plate boundaries
- Igneous, sedimentary and metamorphic rocks



Natural Disasters

- Deadly Atlantic hurricanes: formation to landfall
- Mega-earthquakes and mega-volcanoes
- A survivor's guide to tornadoes and derechos



Earth History & Fossil Record

- Geologic time and the stratigraphic record
- The early Earth and onset of life
- Fossils and the history of the biosphere



The Global Climate System

- Understanding the greenhouse effect
- Ocean-atmosphere circulation
- An introduction to climate models and data

For more information visit OpenEarthSystems.org/course/