Wade Institute for Science Education
1354 Hancock St., Ste. 302
Quincy, MA 02169

STEAM and Earth Science

A hybrid Focus Workshop for grades 4-6 educators

An Approved Course for MA DESE's Accelerating Science: Open Access Professional Learning

Join the **Wade Institute for Science Education** for a hybrid professional learning experience and explore Earth's place in the universe!

Online Sessions:
January 18th & February 15th, 2023

On-Site Planetarium Visit:
January 28th, 2023

Register Today!

wadeinstitutema.org/oapl

STEAM and Earth Science

A hybrid focus workshop for grades 4-6 educators

An Approved Course for MA DESE's Accelerating Science: Open Access Professional Learning

Dates and Times:

Remote Sessions:
Wednesday, January 18th and Wednesday, February 15th, 2023
(3:30 PM - 6:30 PM ET)

On-Site Planetarium Session:
Saturday, January 28th
(2:00 PM - 8:00 PM ET)

Location:

Springfield Science Museum

Cost:

FREE for eligible MA educators that qualify through MA DESE's OAPL program and includes a $150 stipend.

$200 per educator from non-qualifying schools.

Collaborating Partners:

Springfield Science Museum; Bassett Planetarium (part of the Beneski Museum at Amherst College)

To Register:

Visit wadeinstitutema.org

Dive into an exploration of space as you explore Earth's systems and the Earth's place in the universe.

Using current research and recent discoveries in the field of astronomy, including images from NASA space exploration and telescopes, participate in phenomena and inquiry-based investigations that will bring creativity to astronomy through STEAM (Science, Technology, Engineering, Art and Math).

During the remote sessions the elements and principles of art will help guide our exploration of space and planetary bodies, and help us make sense of landscape scale processes on Earth. During an in-person session at the Springfield Science Museum, we will have the opportunity to use telescopes to expand our understanding of the scale and relationship of the planets, sun and other stars to the Earth. You will leave the program with inquiry-based STEAM investigations to share with your students, as well as connections to a community of learners and informal science institutions.

Using the lens of STEAM we will:

- use images from space exploration to develop an anchoring phenomenon
- explore commonalities between Earth's geological features and those on other planet/planetary bodies
- identify patterns in motion within our solar system, galaxies and the universe.
- apply examples of, and resources for, place-based and phenomena-based unit planning to create a storyline driven unit outline
- use physical models and digital interactives to make sense of the Earth-Sun-Moon system
- explore how drawing forms are connected to geological land forms through review and interpretation of telescopic and space exploration images
- create "stories" for planetary bodies using common drawing forms
- explore the lunar surface using telescopes and digital images using elements of art to aid interpretation

Suggestions for accessing/purchasing classroom telescopes and engaging in amateur astronomy will be included in the program materials.

This course is FREE for eligible MA educators through MA DESE's Accelerating Science: Open Access Professional Learning Courses. Visit our website at www.wadeinstitutema.org/oapl to find out if you qualify.

Contact Us:

wadeinstitute@wadeinstitutema.org
617-328-1515