

Astronomy Institute

Professional development for K-12 teachers

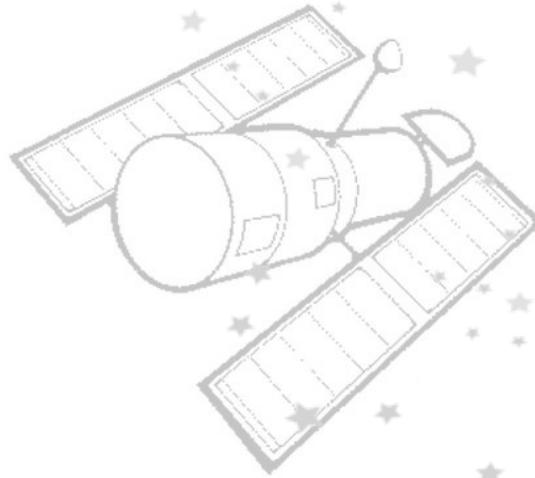
July 30th - August 2nd, 2019 at miSci

8:30-4pm daily + Thursday evening at the Dudley Observatory at miSci

Join the Dudley Observatory at miSci for a workshop focused on New York State P-12 Space Systems Science Learning Standards. This 4-day summer institute for science teachers (elementary – high school) will strengthen your content knowledge of astronomy and help you and your schools develop curriculum for astronomy and planetary geology. The institute includes engaging lectures by Dudley Observatory Chief Astronomer Dr. Valerie Rapson, teaching strategies, hands-on classroom activities, and solar and night-time observing.

Topics covered include:

- Constellations and stellar motions
- Moon phases and seasons
- Planets in the solar system
- Stellar evolution
- Exoplanets
- Galaxy evolution and black holes
- Big bang and cosmology
- Meteorites
- How to use a telescope

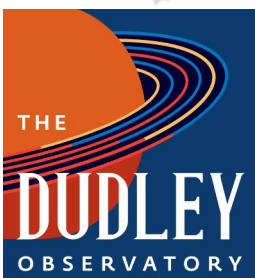


The workshop will focus on material covered in the Space Systems Science Learning Standards in grade 5, middle school, and high school, but teachers of any grade level are welcome to attend. There will also be telescope training Thursday evening, and opportunities to see the Suits-Bueche planetarium and Challenger Learning Center at miSci. Teachers will receive digital copies of all presentations and activities.

Conference registration is \$325 and includes light breakfast and lunch. To register for the Institute click here: conta.cc/2QOVAvM

CTLE credit is available by registering through the Greater Capital Region Teacher Center: bit.ly/2JUyYcb

For questions about the workshop contact Valerie.Rapson@miSci.org or call **518-382-7890 x259**



Presented by the Dudley Observatory at miSci

15 Nott Terrace Heights
Schenectady, NY 12306
DudleyObservatory.org

