



The Arkansas School for Mathematics, Sciences & the Arts invites you to attend:

The Science and Engineering Institute @ Conway

Date: Saturday, September 9, 2017
Where: Old Main, University of Central Arkansas
Time: 9:00 a.m. - 12:30 p.m.
Cost: **FREE!**
Who can attend: All Arkansas students currently enrolled in 6th - 10th grade

Students will attend the following sessions:

The Spectre of Spectra

How do we know what the stars and the Sun are made of? How do neon lights work? How does a rainbow form? The colorful world of spectroscopy can answer all of these questions and many more. In this activity we will learn how to use a spectroscope, interpret the results, and make a portable spectroscope to take home with you. Please bring an empty regular-sized Pringles can to build your spectroscope.

The Enlightening World of Optics

How do LED televisions and monitors work? How effective are sunglasses in protecting us from eye damage? Why is the sky blue? In this activity we will explore various aspects of Light and Color, such as LEDs, lasers, polarization, color mixing, how we perceive colors, UV radiation, and anything else we can think of dealing with optics. Please bring your sunglasses, (in particular ones with polarized lenses, but any will be better than none) and be ready for an enlightening experience!

Schedule of Events:
9:00 - 9:15 Check In
9:15 - 9:30 Information Session
9:30 - 10:30 Session 1
10:30 - 10:45 Break
10:45 - 12:30 Session 2

To register, visit the link below:

<https://tinyurl.com/SEIatConway>

