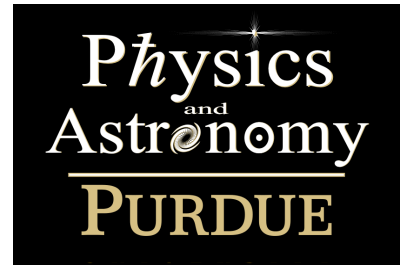


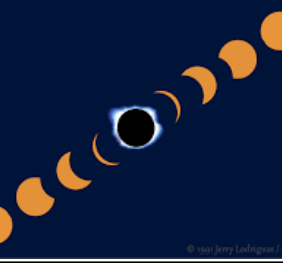
**Saturday
Morning**

Astrophysics at Purdue

A monthly program for students in grades 6-12

- Learn from Purdue astronomers and astrophysicists
- Explore natural phenomena of the cosmos
- Do cool labs and experiments
- Satisfy your curiosities about “What’s out there!”



	Topic	Date	Topic / Activity
	Eclipses	September 9, 2017	Explore the geometry of different kinds of eclipses, how and why these occur, and what we can learn from them.
	Cosmic Scales	October 14, 2017	Model the solar system at a constant size and distance scale and explore what’s beyond.
	Impact Craters	November 11, 2017	Experimentally explore variables modeling crater formation. What energy of impact killed the dinosaurs?
	Micro-Observatory	December 9, 2017	Collect and work with astronomical images using a remote observatory; reduce and analyze your results.
	Optics and the Night Sky	January 13, 2018	Learn about different kinds of telescopes, how lenses work and use telescopes and technology to explore objects in the night sky.
	Glue of the Universe - Dark Matter	February 10, 2018	Use the fundamentals of rotational motion to learn how matter we cannot directly see is a binding force of our universe.
	Exoplanets	March 10, 2018	Analyze the evidence that leads astronomers on the quest to discover other possibly inhabitable worlds.
	How Far, How Long Ago?	April 14, 2018	Using light from the early universe, look back in time to learn about the cosmos.
	Big Ideas - Big Questions	May 12, 2018	Follow the discoverers. What drove them and what did they find? What still remains?

Where: Department of Physics and Astronomy at Purdue

When: 10:15 AM-12:00 PM

There is no charge for Saturday Morning Astrophysics, but
You must register for the sessions.
 Sign up on-line using the link below. You need only register once.

<http://www.physics.purdue.edu/outreach/saturday-morning/>



*Saturday Morning Astrophysics is offered by
 Purdue University Department of Physics and Astronomy Outreach*