



# Get Ready For the **SOLAR ECLIPSE!**

On **Monday, August 21, 2017**, all of North America will be treated to an eclipse of the sun. Here in Maine, we will see a partial solar eclipse, where the moon covers about 60% of the sun's disk. The eclipse will begin here at about 1:30 p.m., reaching its peak at about 2:45, and ending at about 4:00. We have a variety of events scheduled to help you explore astronomy and plan for this rare and exciting phenomenon!

## For Kids

### Make a Bedroom Planetarium

*For ages 8 and up*

**Tuesday, August 8**

**2:30 - 3:30 p.m.**

If you are interested in astronomy but don't know where to start, try learning to recognize some basic constellations first. We will make a set of constellation viewers you can set up in your bedroom at night to help you learn to recognize the stars.

### Create a Solar Cooker and Make Sun S'Mores!

*For ages 8 and up*

**Friday, August 11**

**1:00 - 2:00 p.m.**

Harness the energy of the Sun to make the best snack ever invented! (Alternate activity if it's cloudy: Design and build a shock-absorbing system that will protect two marshmallow "astronauts" when they land.)

### Make a Beautiful Nebula in a Jar

*For ages 6 and up*

**Tuesday, August 15**

**2:30 - 3:30 p.m.**

A nebula is an interstellar cloud of dust, hydrogen, helium and other ionized gases. Create your own beautiful nebula to take home with you.

## For Adults and Families

### Make a Pinhole Eclipse Viewer

*For adults alone or with kids,*

*or ages 8 and up unaccompanied*

**Friday, August 18**

**2:30 - 3:30 p.m.**

You don't necessarily need fancy equipment to watch one of the sky's most awesome shows: a solar eclipse. With just a few simple supplies, you can make a pinhole viewer that allows you to observe the event safely and easily.

### Intro to the Eclipse

#### with Astronomer Ron Thompson

*For adults, families, and kids*

**Saturday, August 19**

**10:00 - 11:00 a.m.**

Ron Thompson, Director of the Southern Maine Astronomers, will help you get the most out of your eclipse viewing experience. He will discuss what an eclipse is, how an eclipse happens, why are they so rare, and what is so special about this one. We will be handing out free solar viewing glasses at the event as well.

### Eclipse Viewing Party!

*For all ages!*

**Monday, August 21**

**1:30 - 3:00 p.m.**

*Plus:  
Face painting  
by Robyn  
Brown!*

Join us on our front lawn for popcorn, treats, and beverages as we watch the eclipse together. We will have free solar viewing glasses available for everyone. (If it turns out to be cloudy day, come watch the eclipse with us streamed live on a screen in the Community Room.)

