

Chiloquin Junior High School Eclipse Lesson Plan

October 2023

Note: Dr. Gonyaw will need to deliver this lesson himself as Joe Minato will be busy in the high school science classroom.

- Designed for a 50 minute period with 27 students maximum
- 20-minute version of [Annular Eclipse presentation, Video](#)
 - Teachers can play the video or modify the presentation and deliver it themselves
- 15-minute activity: [Yardstick Eclipse Instructions](#)
 - Joe will drop off supplies and instructions on Wednesday, October 11, afternoon
 - There are supplies for nine groups of three.
 - Astronomical Society of the Pacific. [GTTP Webinar: Solar Eclipse Science](#). Youtube, 32:40 minutes. Demonstration of the Yardstick Eclipse begins at about 14:13 min.
 - [Here](#) is a shorter video that demonstrates how to use the equipment for a solar eclipse.
 - Note: This activity works great outside on a sunny day. It also works inside with artificial light, but can be more challenging. There are two tricks: (1) Get the room as dark as possible; (2) Use a bright light that produces light with rays that are as close to parallel as possible. The LED lights on smart phones work great! So do flashlights that are *single* LED lights. Flashlights with multiple LEDs do not work. Traditional lamps with standard sized light bulbs do *not* work.
 - I hope to make my own video that models this activity both outside with the Sun and inside with artificial light. Stay tuned.
- Short presentation on other eclipse activities
 - These slides are at the end of the main presentation
 - Encourage them to come on Friday to help younger students and do more activities
- Short presentation on Eclipse Safety
 - These slides are at the end of the main presentation
- Give out Eclipse Glasses
 - Joe will drop these off on Wednesday, October 11, afternoon