

## Large Telescope Project

Due: Thursday, December 3, 2015

Goal: Pick one large telescope and become our classroom expert on it. Find out the following information about and be ready to share it with our class. You can work in groups of 2 or individually. Each person or group should have a different telescope.

1. Name of the telescope
2. Location of the telescope
3. Who runs the telescope
4. Type of light the telescope can “see”
5. How the telescope works
  - a. General description: refractor, reflector, combination, interferometer, etc
  - b. You should be able to explain how light moves through the telescope
6. What the telescope looks like
7. What images from this telescope look like
8. Astronomical objects this telescope has taken images of
9. Other pertinent or interesting information

Sharing the information with others in a presentation. Be ready to share what you find out. You will project your presentation from the computer. REMEMBER: Electronic presentations (Powerpoints, Prezi, etc) should not have much text. Use images, bullet points, key phrases, etc to show the audience and then YOU talk about the information from notes.

1. Show visual image of the telescope. It should give us a feeling of the scale of the telescope (#6, possibly #1)
2. Show or create a diagram of how light moves through the telescope and be able to explain how the telescope works on a basic level (#4, #5)
3. Show at least two images taken by the telescope. You can either bring up web pages or put the images into your presentation. (#7, #8)
  - a. If the telescope takes images in light other than visual, it may be helpful to also show a visual light image of the objects in your images so we can compare
4. Explain name, location, who is in charge of the telescope and anything else you think we should know (#1, #2, #3, #9)

### Starting points

The World’s Largest Optical Telescopes <http://astro.nineplanets.org/bigeyes.html>

Orbiting Telescopes <http://spider.seds.org/oaos/oaos.html>

Amateur Astronomical Observatories <http://obs.nineplanets.org/obs/obslist.html>

