

Large Telescope Project

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.

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 (general description: refractor, reflector, combination, interferometer, etc)
 - a. 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: Be ready to share what you find out by the following method.

1. Create a visual of the telescope. The visual should be either a 3-dimensional model or poster size drawing (#6, possibly #1)
2. Create a diagram of how light moves through the telescope and be able to explain how the telescope works (#4, #5)
3. Show at least two images taken by the telescope. You can use the video projector to project the images by either bringing up web pages or putting the images into a power point. (#7, #8)
 - a. If the telescope takes images in light other than visual, it may be helpful to show a visual light image of the objects in your images
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>

