



Activity Kit

Telescope Kit

Materials

Equipment

Telescope. Use picture to identify essential parts

- Lens cap
- Moon filter
- 4 eyepieces—one will be in the telescope
- 20 mm eyepiece (magnifies 15 times)
- 12.5 mm eyepiece (24x magnification)
- 6 mm eyepiece (50x magnification)
- 4 mm eyepiece (75x magnification)

Supplementary Materials

- *First Light Astronomy* Software CD-ROM
- *Binocular Highlights* by Gary Seronik
- *Golden Guide to Stars*

Recommended for grades 3 and up




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Appropriate accommodations for individuals with disabilities will be provided upon request. Please notify the branch offering the program at least 5 business days prior to the event. TTY users call Maryland Relay (711). This document is available in alternative format upon request.

What to know about this kit...

The telescope in this kit is an excellent beginner's telescope, perfect for looking at both astronomical objects such as the moon as well as objects here on Earth. It is designed to be used on a table or other sturdy flat surface.

NEVER LOOK AT THE SUN THROUGH A TELESCOPE **You could go blind**

If you've never used a telescope before, practice in the daylight. This will allow you to get used to finding an object and changing the eyepiece to alter the magnification. Objects viewed through a telescope may appear upside and backwards, which may not matter much if you are looking at something in outer space, but can be confusing when you are looking at a sign across the street.

The telescope has a small finder telescope attached to its side. Smaller, less powerful telescopes don't magnify much but they do allow you to see more of the sky in the viewer. This is helpful when you are trying to locate a faint star or planet that is located near a brighter, more obvious object.

The kit comes with 4 eyepieces that allow magnification from 15x to 75x.

The moon filter reduces the brightness of the moon and improves the contrast so that greater detail can be seen. The filter has threads on it which screw into the bottom of the eyepieces.

Recommended for Grades 3 and up

