



Daisy Space Science Explorer Badge Workshop

An At-Home Program

GSCCC Daisy Space Science Explorer Badge Workshop (At-Home)



- Space scientists are people who study outer space- what's in the sky. In this badge, you can be a space scientist as you look at the sky and talk about what you see! When you earn this badge, you will have explored and observed the Sun, Moon, and stars.
- Badges will have to be purchased by the troop leader/parent

Program Outline

Materials:

- Pencil
- Colored pencils
- Notebook

Step 1: Explore the Sun → Make a Day sky book

Instructions:

- Go outside and look at the sky three times during the same day. (Could be after breakfast, lunch, and dinnertime)
 - Make a prediction before you go out just like a scientist! Guess what the sky will look like before you go out.
 - Do not look directly into the Sun!
- Draw pictures in a notebook of what you see at the different times of day.
- Discuss:
 - Does the sky look different each time you go outside? How?
 - Did the colors or clouds change?
 - Talk about the sky with your family.

Step 2: Observe the Moon → Make a Moon sky book

Take a closer look at the Moon and see how it seems to change shape over time.

Instructions:

- Go outside with an adult three times and look at the Moon. (You can either do it three different times during one day or night, or three days or nights in a row at the same time.)
 - o Make a prediction before you go out just like a scientist!
- Go outside and draw what you see.
- Discuss:
 - o Were your predictions correct?
- With an adult look up different phases of the moon and see which phase the Moon you observed is in.

Step 3: Meet the stars → Make a pretend telescope

Now that you've observed the Sun (our closest star) and the Moon, it's time to see more stars! All of the other stars are much farther away than the Sun and the Moon. That's why they look like tiny points of light.

Instructions:

- Make a pretend telescope by decorating a toilet paper tube or rolled-up piece of construction paper. (A telescope is a tool that scientists can use to study the stars by making distant things seem brighter and bigger.)
- Then take your "telescope" outside on a clear night, with an adult, and look through it at the stars as you use your creativity to pretend you're a NASA scientist.

Fill this out when completed:

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