



Junior October Virtual Program
October 7th, 2020 6:30-7:30pm EST
Junior Space Science Investigator Badge
Recommended Supplies & Materials to Print!

- Computer/Tablet/Phone & Access to Zoom!

Step #1: Model the Solar System: Make a scale model of the planets

- Junior Planet Name Cards Printout ([scroll down to page 2 of this document](#))
- Scissors
- Supplies for salt dough:
 - Mixing bowl
 - Spoon
 - Measuring cup
 - Salt
 - Flour
 - Water

Instructions for making a simple salt dough

1. Pour 2 cups of all-purpose flour and 1 cup of salt into a measuring bowl. Mix together with spoon.
2. Measure out 1 cup of cold water.
3. Slowly add the water to the bowl while you stir until your dough is smooth and easy to handle.
4. Knead dough for 10 minutes and let rest for 20 minutes.
5. Now it's ready to use for your planets! ☺ Bring this with you to our Zoom meeting on 10/7!

Step #2: Circle the Sun: Dance the Earth's Year

- Season & month picture cards ([scroll down to pages 3 & 4 of this document](#))
- A ball or other object to represent the sun

Step #3: Discover the Stars: Go on a Night Sky Scavenger Hunt

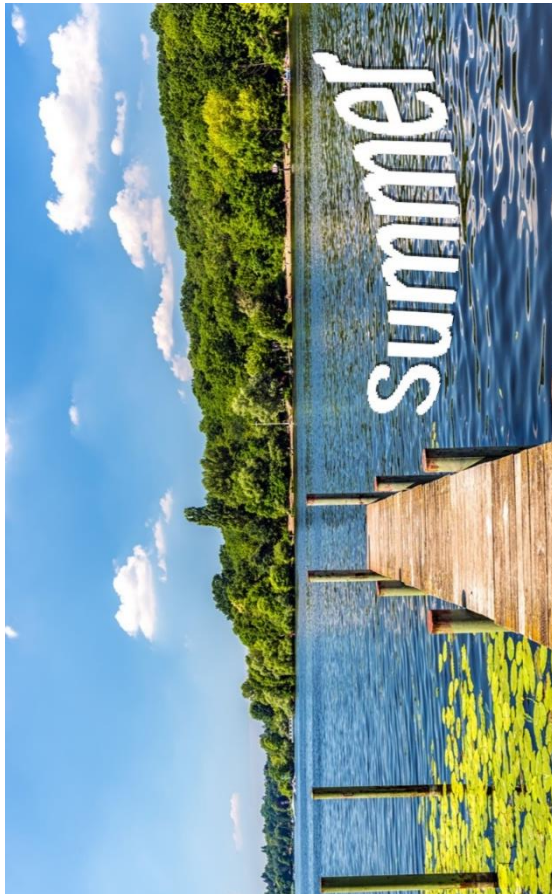
- Night Sky Scavenger Hunt Worksheet ([scroll down to page 5 of this document](#))
- Paper starwheel (to be completed in Step #4!) or constellation/star tracker app

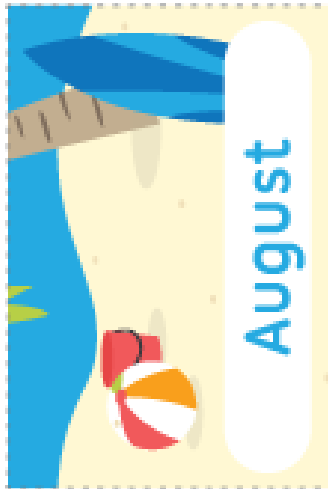
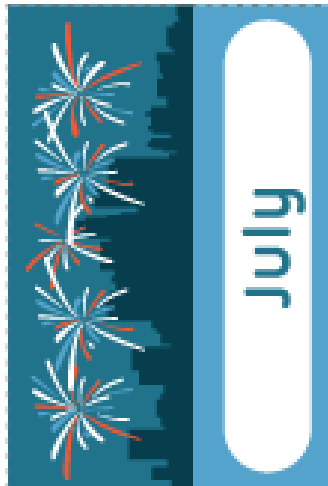
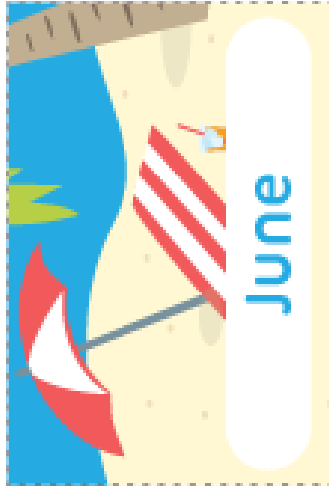
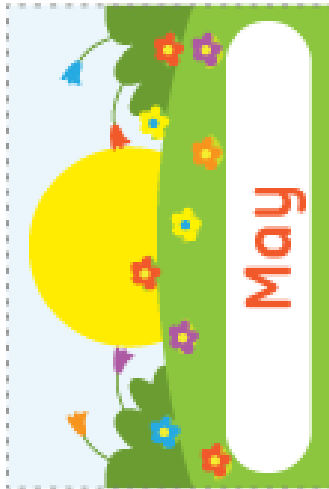
Step #4: Use tools to explore: Use tools for finding your way

- Paper star wheel printouts ([attachment in your adult's email!](#))
- Scissors
- Stapler or tape

Step #5: Share Your Sky: Create a Space Show!

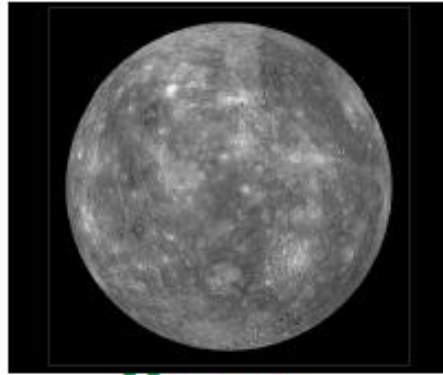
- Paper & pencil



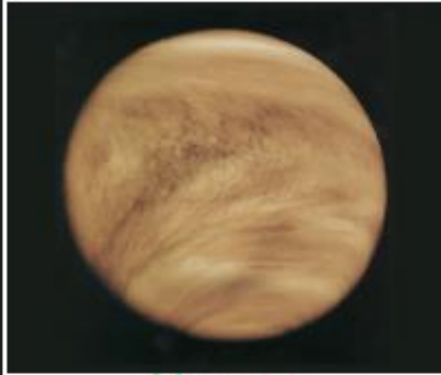


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Planet Name Cards



Mercury



Venus



Earth



Mars



Jupiter



Saturn



Uranus



Neptune

Night Sky Scavenger Hunt

You can use your eyes, a star wheel, or a smartphone app to help you identify the stars, constellations, or planets in the night sky. With an adult, use this list— or make up your own! Keep in mind that not everything is visible in the sky on the same night or time of year. That's part of the fun! Just cross off what you can find, and keep going outside on different nights to search the sky.

✧ Ursa Major (aka the Big Dipper)

✧ Taurus (the bull)

✧ The red giant (Aldebaran)

✧ The Moon: Draw what phase it's in now! ->

✧ Canis Major (the Large Dog)

✧ Cygnus (the Swan)

✧ Pegasus (the Flying Horse)

✧ Orion (the Hunter)

✧ Leo (the Lion)

✧ Scorpius (the Scorpion)

✧ A planet– What planet did you see? What color is it? _____

What other stars/constellations/celestial objects did you find? Write them here!

1. _____

2. _____

3. _____

4. _____

