



Project Exploration creates transformative learning opportunities for youth underrepresented in the sciences --particularly students of color and girls -- by equipping them with the skills, practices, and mindset needed for a lifelong pursuit of learning. STEM@Home makes activities around science, technology, engineering, and math accessible and fun to do at home. This STEMbook activity, resources, and more are available at www.projectexploration.org/stemathome.

In this activity, you will:

Explore the planets in the solar system.



Supplies Required:

- Writing utensil
- Coloring utensils
- 1 sheet black construction paper
- 5 sheets of white paper
- Sequins, glitter, or other craft supplies
- Glue
- Scissors

Video

Solar System rap: <https://tinyurl.com/2cps7xvu>

Overview

The Sun is a star which sits at the center of our universe, and Earth is the third planet from the Sun. The Sun's gravity holds our solar system together, keeping everything in its orbit. The connection and interaction between the Sun and Earth drive the seasons, moon phases, day and night and the weather. Each planet has its own unique properties, based on its distance from the Sun and the other planet. Each planet stays in its own spot due to its orbit. Let's take a trip to outer space!



Instructions

1. Take a piece of black cardstock or construction paper and cut it lengthwise into 4-inch by 12-inch strips
2. Glue the two strips together to make one long strip
3. Color and cut out the shapes of the sun and planets from the white paper
4. Glue them in order onto your black paper
5. Fold the paper into a circle and glue or tape into place
6. Wear your space crown and tell your friends about the planets

Additional Resources

1. Our Solar System: <https://tinyurl.com/bs498ffm>
2. Meet an Astronaut: <https://tinyurl.com/psh68evm>

Share It Out

Share on social media: Record a video or take a picture of your activity and post the results online using the hashtags:

#SolarSystem
#ProjectExploration
#StemAtHome

Tag a friend and challenge them to do it, too!

For more activities like this one, go to www.projectexploration.org/stemhome. If you're interested in learning more about Project Exploration and our free events, programs, and activities, please find us on social media and be sure to follow!



Call or text us for help: 312-772-6634



www.projectexploration.org