

SIMPLE SPACE THEMED CRAFTS AND PROJECTS

1. MAKE YOUR OWN PLANETARIUM

Materials Needed:

- Shoe box
- Scissors
- Star chart
- Pen or pencil
- Pin
- Tape
- Flashlight
- Books

How to:

Step 1: On one end of a shoe box, cut a hole just big enough for a flashlight to fit into. **Step 2:** Cut a rectangle out of the other end of the shoe box. **Step 3:** Using the star guide, draw dots on a piece of paper to represent the stars of a constellation, and poke holes through the dots with a pin. Do this for several different constellations. **Step 4:** Put one of the sheets of paper over the rectangular hole in the box, and tape it in place. **Step 5:** Support the flashlight with a stack of books, and put it into the hole in the other end of the box. **Step 6:** In a darkened room, turn on the flashlight, and project your constellation onto a wall. **Step 7:** Have FUN!

2. CREATE A TO-SCALE SOLAR SYSTEM MODEL

Materials Needed:

- Ball about 27" in diameter (such as a beach ball)
- 5 peas
- 1 orange
- 1 tangerine
- 2 walnuts
- Tape measure
- Large open space

How to:

Step 1: Make your model in a large open space that will represent space. **Step 2:** Put the beach ball or other large ball at one end of the space. The ball is the sun. **Step 3:** Place the other objects as shown in the chart below. (Remember to measure each planet from the sun.)

Planet	Object	Distance from the Sun
Mercury	Pea	1-3/4 inches
Venus	Pea	3-1/4 inches
Earth	Pea	4-1/2 inches
Mars	Pea	7 inches
Jupiter	Orange	2 feet
Saturn	Tangerine	3 feet, 7 inches
Uranus	Walnut	7 feet, 3 inches
Neptune	Walnut	11 feet, 4 inches



3. SHAPES SPACE ROCKET

For both of these activities all you need is some construction paper, coloring tools, scissors, glue and a lot of creativity!



Cut a variety of colors and geometric shapes and then let the kids have creative freedom to create any rocket imaginable. Either let them play on desktops and use the shapes again and again, or glue them down for a keepsake to take home!

4. PAPER PLATE ASTRONAUT



Using two paper plates, cut a hole in the first plate to show the face, and then cut the second paper plate to make the visor. Glue the plates together and add embellishments and color! Have the kids either draw their own face on a piece of paper, or bring in a large printed picture of their face. Then take that and tape it behind the plate with a hole in it, and now they're all astronauts!

5. DIY GALAXY T-SHIRTS

Materials Needed:

- Star and/or moon pattern
- Freezer Paper
- T-shirt
- Fabric paint
- Pencil with an unused eraser



How to:

Step 1: Draw your star and/or moon pattern onto the NON-shiny side of a piece of freezer paper and cut it out.

Step 2: Put the freezer paper on your shirt, shiny side down and iron it on. Once it's cooled, put a piece of cardboard inside the shirt to keep the paint from bleeding through.

Step 3: Dip the eraser of your pencil in your paint and start stamping around your design. Use as many colors as you want to really make it look like an exploding galaxy!

Step 4: Let the paint dry overnight. Then peel the freezer paper off to unveil your awesome galaxy t-shirt!

Step 5: Follow any setting instructions on the fabric paint necessary so your design doesn't wash away. Some paints require an ironing or washing before the first wear to set the paint into the fabric.

Step 6: Enjoy rocking around the town in your cool new shirt created by you!