



Craft Guide DIY Solar System

You need:

- › 1 extra-large polystyrene ball for the sun
- › 2 large styrofoam balls for Jupiter and Saturn
- › 2 medium-sized Styrofoam balls for Uranus and Neptune
- › 4 small styrofoam balls for Earth, Mars, Venus and Mercury
- › 1 extra small styrofoam ball for the moon
- › 1 styrofoam plate for the rings of Saturn
- › Various colours (e.g. acrylic craft paint)
- › Yarn or string
- › Wooden (kebab) skewers
- › White craft glue
- › 1 metal or wooden ring
- › Scissors
- › Cutter/Stanley knife
- › Brush to paint the planets
- › Measuring tape
- › Water glass

Ask an adult to help you! Please do not use the cutter knife alone!

This is how you make your own solar system:

1. Stick a skewer into each of the polystyrene balls. This will make it easier for you to paint.
2. Paint your polystyrene balls in the colours of the sun, the planets and the moon. Then place the skewers with the balls in a jar to dry.
3. For the Saturn rings, use the tape measure to measure the diameter of the sphere you want to make Saturn out of. Now draw two circles of different sizes on the polystyrene plate. The inner circle should have the same diameter as the
4. When everything is dry, assemble the Saturn. To do this, put glue on the inside of the ring and press the matching ball into it. Make sure that the ring does not break. Put the finished Saturn to one side to dry.
5. Now take the moon and shorten the wooden skewer it is on. Poke a small hole in the ground with the skewer and fill it with glue. Then press the wooden skewer with the moon into the hole and let the glue dry.
6. Now cut the strings on which the planets will hang. These must be of different lengths. The following applies: The further away the planet is from the sun, the longer the string must be. So Neptune should hang lowest, which is why its string must be the longest.
7. Then attach the strings to the planets and the sun. Take the skewers from the planets and the sun and tie a knot at the end of each string. Fill the hole in the planet with some glue and push the knot into the hole with the help of the skewer. Let everything dry well.
8. Tie the other end of each string tightly to the wooden or metal ring. Pay attention to the correct order: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune. So that nothing slips, you can fix the strings to the ring with a little glue.



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