

# CELESTIAL Necklaces

We are part of a vast universe that is filled with mystery, magic and life. Chances are your kids are already excited about astronomy. Tap into that excitement! Teach them about the planets in our solar system and engage their inner artist while you are at it with this fun wearable project.

## Things you need:

1. 1" diameter images of the planets

I found the ones used at the simply graphic store on [etsy.com](https://www.etsy.com).

2. 1" circular punch.

3. 11 (per necklace) single sided bottle cap pendants.

4. 1" epoxy dots

5. Nylon cord

6. Decorative beads.

Find everything you need at [bottlecapco.com](https://www.bottlecapco.com)

## Instructions:

**Step 1:** Use circular punch to cut out planets.

**Step 2:** Glue planets into place within bottle caps.

**Step 3:** Place epoxy dot on top of planet image.

**Step 4:** String beads and planets onto necklace.



## Teaching and learning

*"Imagination will often carry us to worlds that never were, but without it we go nowhere." Carl Sagan.*

Its hard to look into space and not be captivated by our imagination. There is so much in our universe that we still do not know. In a sense, we are just like our kids using our imaginations to make sense of it all.

Yet, there is a lot we do know. Helping your kids learn about of these known things will unlock new areas of wonder and imagination.

Astronomers estimate there are approximately 1 hundred billion galaxies in the observable universe. Our solar system is located in one of those galaxies, the Milky Way.

A solar system is a system of planets and moons that revolve around a star. There are countless solar systems in the universe. Our solar system is made up

of 9 planets and the star we revolve around is called the sun.

There are nine planets in our solar system. When teaching your kids about the solar system the sun is a good place to start.

**The Sun-** is by far the largest object in our our solar system. For scale, imagine the sun is a basket ball. On that scale Earth is the size of a pea and Jupiter, the largest planet in our solar system, is the size of a large marble. Although the sun is giant in comparison to planets, among other stars it is average in size.

**Mercury-** is the closest planet to the sun. It has no atmosphere to hold in heat and has the wildest temperature range of any planet. 800 degrees in the suns shine, 280 degrees below zero when the sun is set.

**Venus-** Between Mercury and Earth is the brightest planet in our solar system, Venus.

**Earth-** Almost three quarters of Earth is covered by water. Astronomers believe water is an essential ingredient for life.

The moon plus five other planets are all you need to complete your celestial necklace. Here is the oder but you will need to do some research to teach and learn about the rest.

**Moon, Mars, Jupiter, Saturn, Uranus and Neptune.**



Contact us for more details including planet information, book/app recommendations and additional astronomy lessons, [michelle@learningourworld.com](mailto:michelle@learningourworld.com)