

# Ready for Blast Off, Jax! Our Amazing Solar System Adventure!

**Hi Jax! Are you ready for an super space adventure today? We're going to learn about the amazing planets and our special place in space called the Solar System!**

**Here's what we might use for our adventure today:**

- Round objects to be planets (like different sized balls, or playdough rolled into balls)
  - A bigger ball or lamp for the Sun
  - Construction paper (black, blue, yellow, red, etc.)
  - Crayons or markers
  - Optional: A fun Solar System song video
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## **What IS a Solar System?**

Imagine a giant racetrack in space! In the middle is a huge, bright star called the **Sun**. And racing around the Sun on paths are special space balls called **planets**. Our home, Earth, is one of those planets!

## **Meet the Star: The Super Sun!**

The Sun is not a planet; it's a STAR! It's like a giant ball of super hot gas, way bigger than anything else around. It gives us light so we can see during the day, and heat to keep us warm. Everything in our Solar System travels around the Sun!

## **Let's Meet Some Planets!**

There are 8 main planets racing around the Sun. Let's meet a few:

- **Mercury:** This little guy is the closest planet to the Sun. Zoom! It goes around the Sun really fast.
- **Venus:** Wow, it's super hot here! Venus is the hottest planet.
- **Earth:** Yay! This is OUR home! It's special because it has water, air, plants, animals, and us! It's the perfect temperature for life.
- **Mars:** This planet looks red! Sometimes people call it the 'Red Planet'. Scientists send robots there to explore.
- **Jupiter:** Whoa! This is the BIGGEST planet of all! It's a giant gas ball with cool stripes and a giant spot (like a storm).
- **Saturn:** This planet is famous for its beautiful RINGS! The rings are made of ice and rock. How cool is that?

*(There are two more far away: Uranus, which spins sideways, and Neptune, which is very blue and windy!)*

## **Let's Move Like Planets!**

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Can you pretend to be Earth? Let's slowly walk in a big circle around our 'Sun' (maybe a lamp or a big ball). We are orbiting! All the planets orbit the Sun, some faster, some slower.

### **Fun Activity Idea: Make Your Own Solar System!**

Let's use our playdough or balls! Can we make a big Sun and then smaller planets? We could put them on black paper to look like space!

### **Wrap Up Our Space Trip!**

Wow, Jax, you learned so much about space today! We met the Sun, our star, and some amazing planets like Earth (our home!), big Jupiter, and ringed Saturn. Remember, all the planets travel around the super Sun!

Do you have any favorite planets? What was the coolest thing you learned?