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Solar System Part 2 - Our Place in the Cosmos

Kids Learning Lab!

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- Hello! Before we start this episode, I'd like to give a shout-out to all of you that visited the website. I see a lot more people are looking at the website. I'm going to add more games, so be sure to check it out.
- Also, you can support Kids Learning Lab on Patreon. Stick around after the end to learn about Patreon. If you don't want to stick around at the end, I'll just tell you the basics. Patreon is a subscription and donation service that lets you subscribe free or paid and give donations. If you want to know more, find out at the end. REMEMBER: Kids Learning Lab is just starting out on Patreon, so early subscribers might get bonus content.
- In this episode, we'll be making a sequel to our episode about the Solar System.
- [TRANSITION]
- The universe is fascinating. We are extremely small in the universe. I'm going to explain to you where you are in the cosmos.
- Let's start with your city. I live near San Francisco, which is in California, United States.
- You are probably in a house right now. If not, you might be in a building, an apartment, a car, a plane, or somewhere else. That place is probably in a city. A city is usually part of a county. San Francisco, for example, is in San Francisco County. Counties are in states or regions. San Francisco County is in California. States or regions are in countries. California is in the United States of America. Countries are on continents. United States is on North America. Continents are on a planet. North America is on Earth. Planets are sometimes in solar systems. Earth is in our Solar System. Our Solar System is on the Orion Spur, one of the arms of our galaxy, the Milky Way. The Milky Way is in the Local Group of Galaxies. The Local Group is a group of galaxies in the cosmos. The Milky Way is the second largest, with first being the Andromeda Galaxy. Fun Fact: The Andromeda Galaxy is slowly heading our way, going to collide with the Milky Way in 4 billion years. The Local Group is a group in the Virgo Supercluster, or the Local Supercluster. The Virgo Supercluster is a supercluster of galaxies containing the Virgo Cluster and the Local Group. The Virgo Supercluster is called the Virgo Supercluster because most of it is in the constellation of Virgo. The Virgo Supercluster is in the cosmic web. This is a model of the cosmos that scientists are still trying to finish.

- That was cool! I hope you enjoyed that! Time for fun facts!
- 1. The universe is 13 billion years old!
- 2. The universe is getting bigger.
- 3. The universe is filled with dark matter, an invisible substance.
- 4. There could be more than one universe, or a multiverse.
- Thanks for listening! I really enjoyed this episode.
- Now, I'm going to talk about Patreon.
- We have six subscription tiers on Patreon.
- 1. Free Newsletter: If you go to patreon.com/kidslearninglab and click "Join for free", you can get a free newsletter every episode! It is absolutely free and the newsletter has awesome bonus content and fun facts.
- 2. Community Bundle ($1.50/month): The Community Bundle gives you access to the Fan Club, a community chat where you can talk with other listeners. You also get a five year message conversation with me, the host! You can also try out the Fan Club with a free trial of 7 days.
- 3. Kids Learning Lab BONUS ($2/month): The BONUS tier gets you a bonus episode every month! Also, you can buy bonus episodes from the Patreon Shop. You also get access to the Fan Club. In addition to that, you can try it out with a free trial.
- 4. Kids Learning Lab+ ($4/month) - Recommended Tier: Kids Learning Lab+, which I recommend, is a great tier and gives you many things. You get a shout-out video from me, the host, and you can choose a message which will be played on the podcast. Get bonus episodes every month, access to the Fan Club, and get a shout-out on the podcast! You can try it out for 7 days!
- 5. Super Learner ($6/month): Super Learner is a super package, which gets you every single thing from the Plus tier, and a yearlong conversation online with me! 7-day free trial.
- 6. Super Fan ($7.50/month): Super Fan is the highest tier. It includes everything from Super Learner, along with a 5-year conversation. It's like getting the Community Bundle with Super Learner! Get work-in-progress updates as well as behind-the-scenes videos. Choose any two items from the Shop under $10 for free! Also, this has a 7-day free trial. Remember: Patreon subscribers might get early subscriber discounts, so don't forget to subscribe early!
- See you next time on Kids Learning Lab! The next episode will be about microwave popcorn.