

ASTRONAUT TRAINING

Astronauts must train for strength, agility, and flexibility. They have to be able to wear heavy spacesuits and use many tools.



Astronauts also have to live in a very small space with each other!

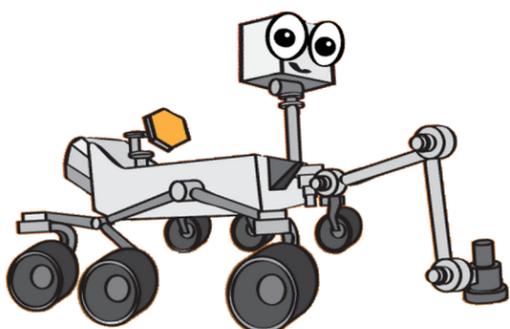
- Take your time and pay attention to where your body is and where other people's bodies are.
- Pretend you, and everyone else, has a big spacesuit on, so everyone needs a little extra space. This will help everyone stay safe!

Train to be an astronaut!

Explore the obstacles, balance board, pogo jumper, and space walk.

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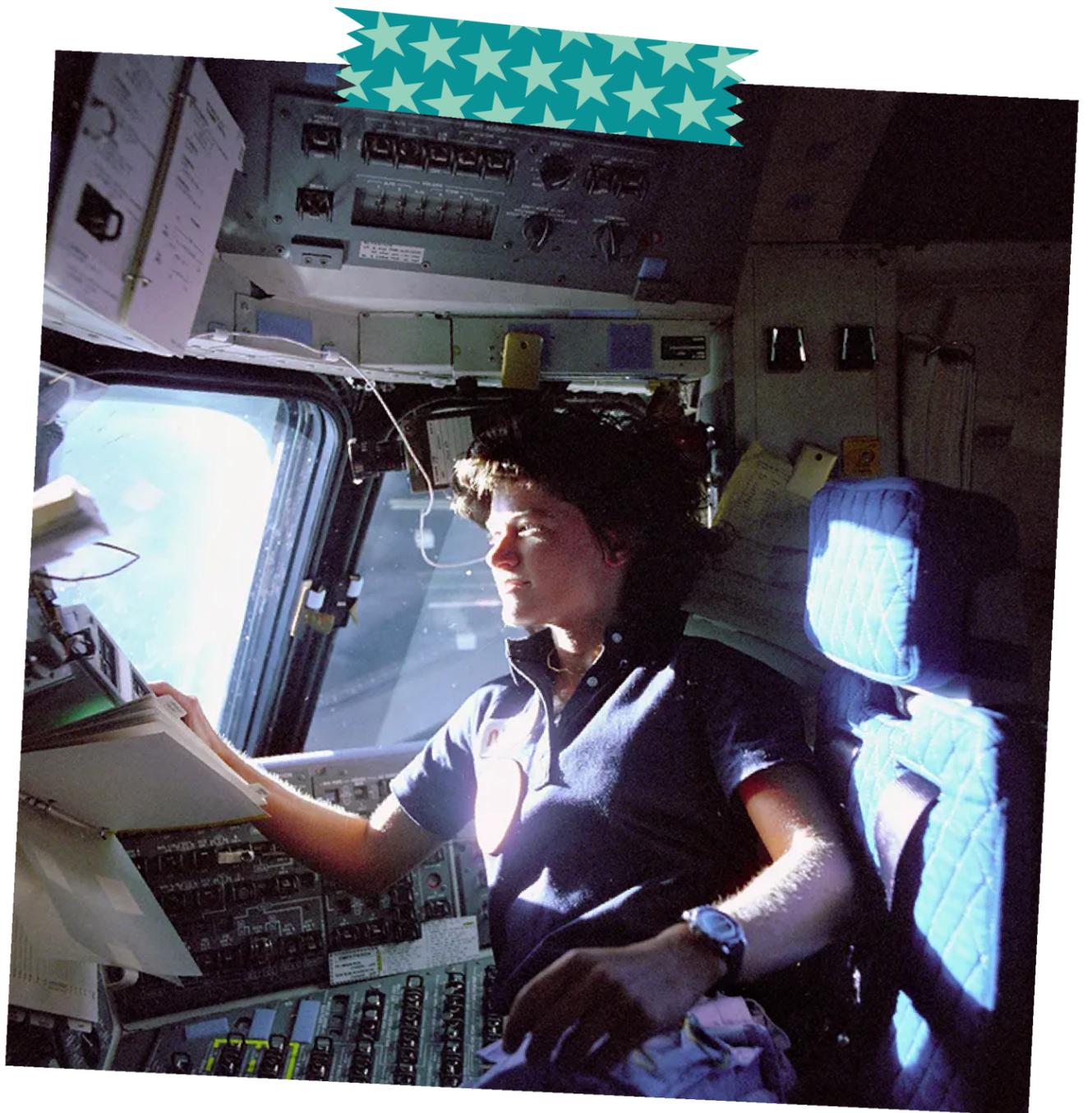
Put the “moon rocks” in the “crater.” Then try to remove them with the robotic arm and put them in your sample buckets to bring back to Earth!



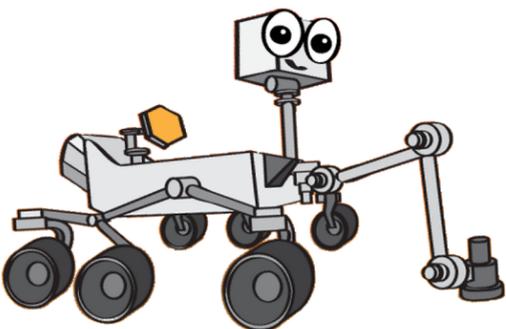
Neil Armstrong and Buzz Aldrin were the first humans on the Moon. Michael Collins had to wait for them in the Apollo 11 ship.

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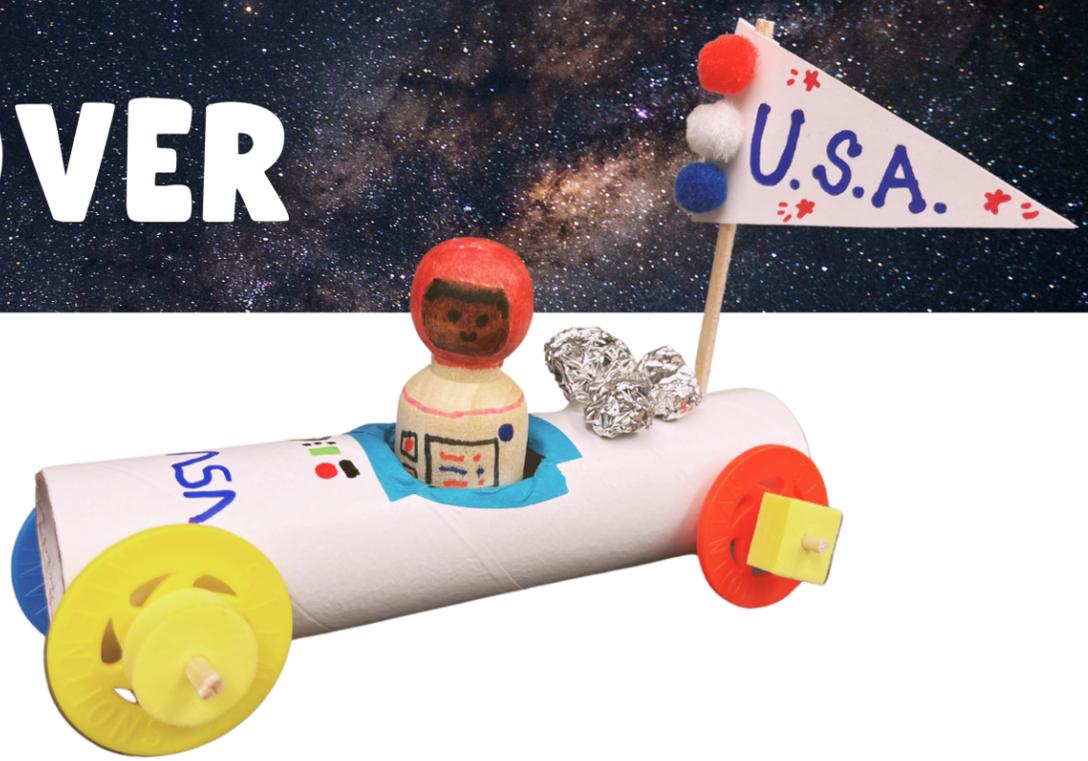
Spin the wheel to see what kind of strength or stamina exercise you must do!



Sally Ride was the first American woman in space!



LUNAR ROVER



1

Design your astronaut. If you use markers, the Crayola markers work better than the Sharpies on wood.

2

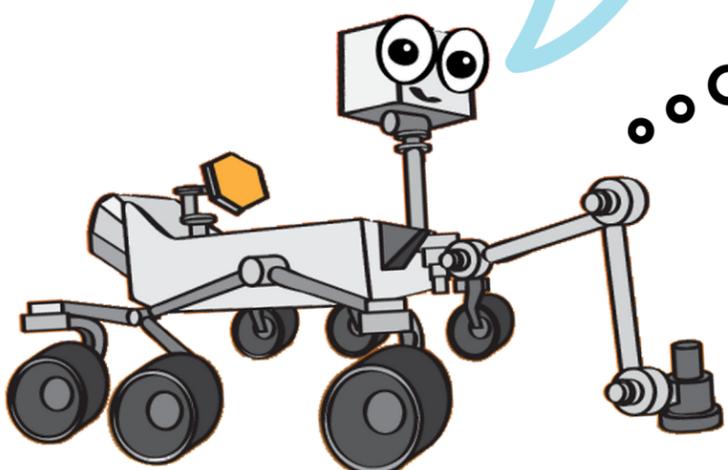
Decorate your vehicle using the Sharpie markers. Make a flag if you want. Add whatever details you can think of! What will you name your rover?

3

Add wheels to each of the axle ends. Use a foam hubcap to keep the wheels on.

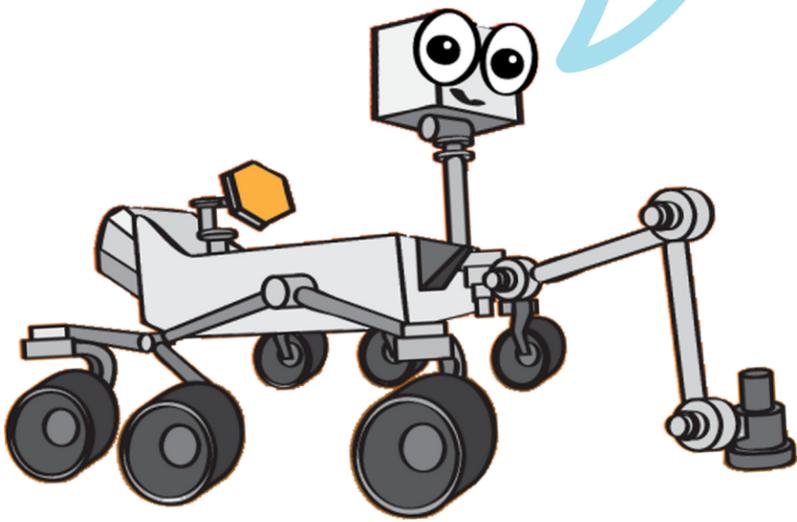
Or you could make a Mars Rover like me. Just sayin.'

PLEASE
PLEASE
PLEASE



LUNAR STATION

Astronauts
need to
collaborate - to
work together.



Work together to build the first-ever lunar station, a complex for people to live.

Think about what kinds of buildings would be useful. You might also want to build roads for your rovers.

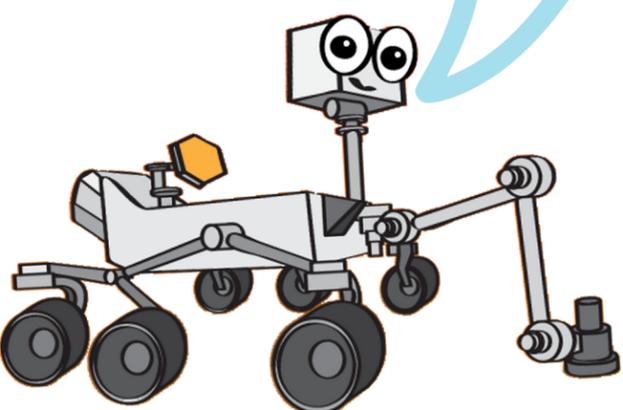
BOOST!

Imagine we are sending a message to other intelligent life in the universe.

Use words or pictures to share the best things about Earth, then attach them to the booster rocket.

- **What would someone coming to Earth for the first time need to know?**
- **What are your favorite things about life on Earth?**
- **What do you think are the best, most special thing about humans?**

Earth is pretty awesome. And hey, YOU ARE TOO!!!

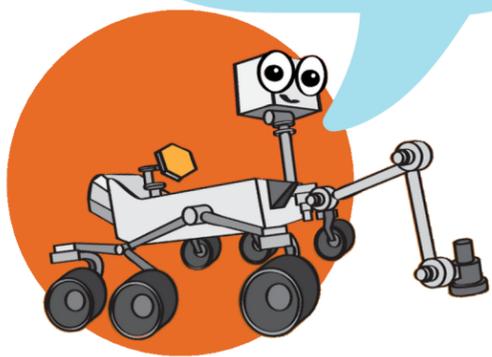


STAR STORIES

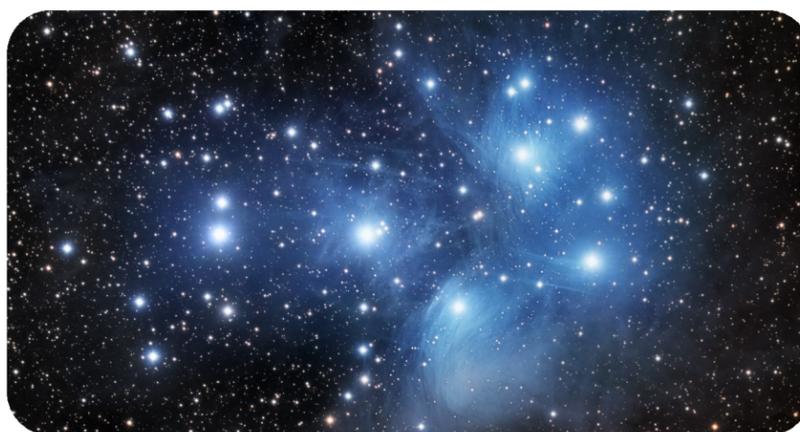
For thousands of years, people all over the world have been watching the night sky, connecting stars with imaginary lines to make “star pictures,” or constellations, and telling stories about what they see.

THE OLDEST STORY IN THE WORLD

There are 800 stars that make up a special cluster of stars called the Pleiades, but without a telescope, usually humans can see 6 of them.

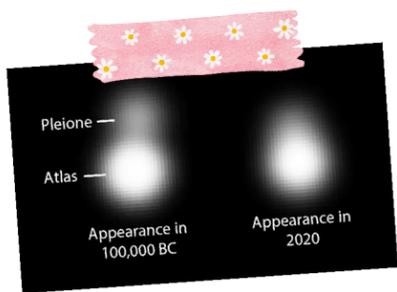


This group of stars has been noticed throughout the whole world for thousands of years. People in European, African, Asian, Indonesian, Native American and Aboriginal Australian countries have a story about these stars that is almost the same. The story tells that each of the 7 stars once were human girls, all sisters, who were turned into stars...but then one sister left, either coming back to Earth or getting lost.



Some historians think that because these stories are all the same, talking about the same cluster of stars, that this is the oldest story in the world, made up 100,000 ago before people spread all throughout the Earth. Then when people migrated to different parts of the world, they brought the story with them as they created new languages and ways of being.

And what about that lost star, or sister? The sky has changed in the last 100,000 years. Now the dimmest star in the cluster is close enough to the brightest star in the cluster that when you look at the stars without a telescope, it looks like just one star.



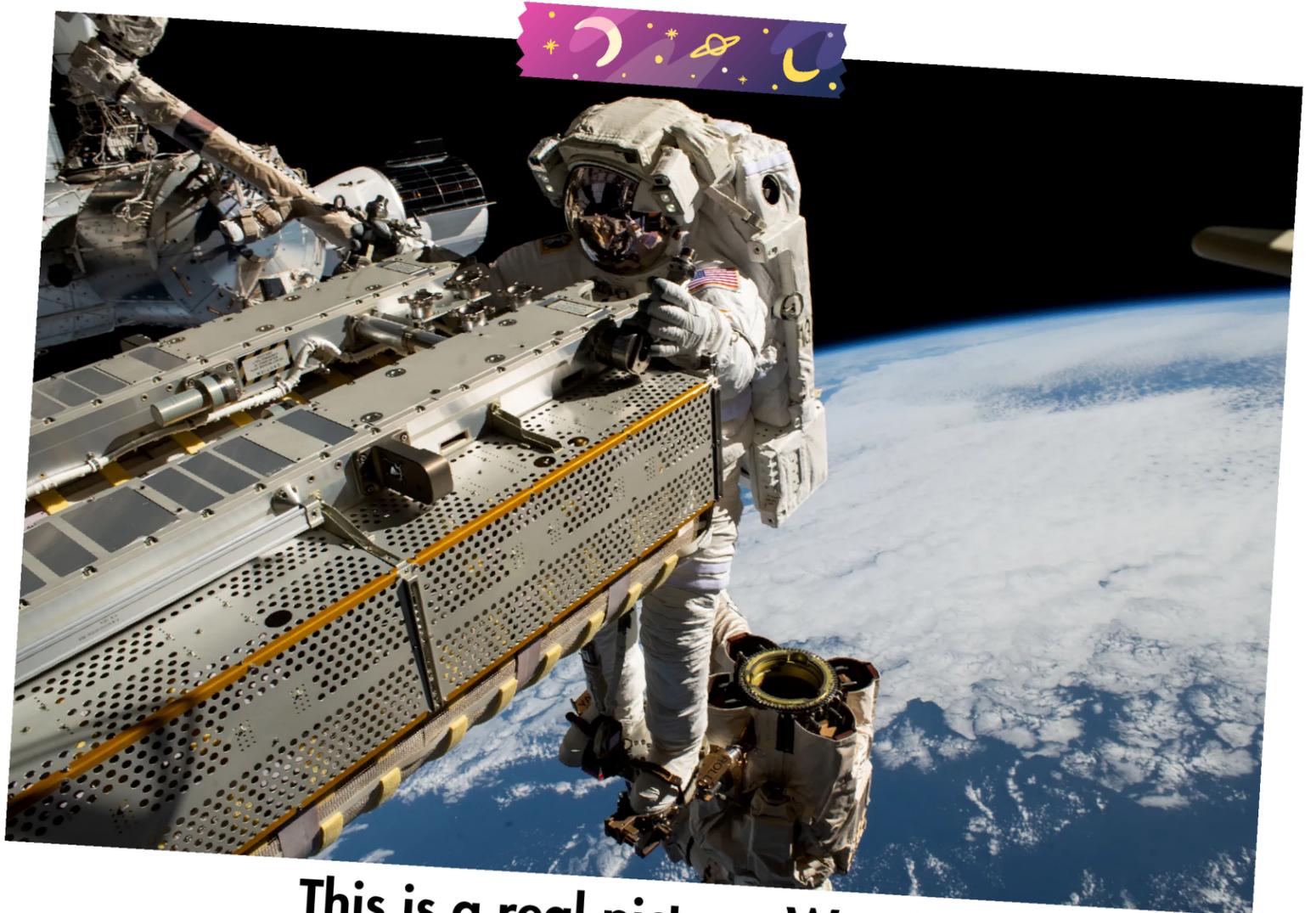
YOUR TURN!

Read more about star stories in your *Moonwalking in the Milky Way* guidebook. Then create your own star story!

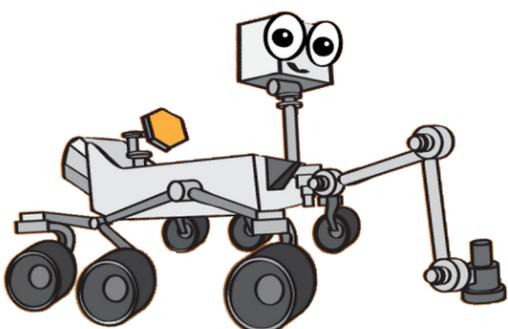
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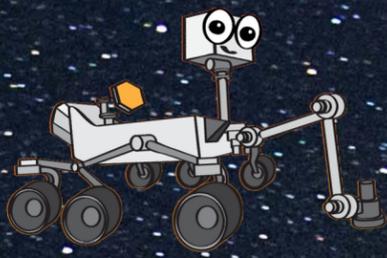
One at a time, go on a spacewalk!

Be extra careful and leave plenty of space around you. You're wearing a mini spaceship on your body!



This is a real picture. Wow! A spacewalk is when astronauts have to go outside of the spaceship, often because it needs to be fixed.

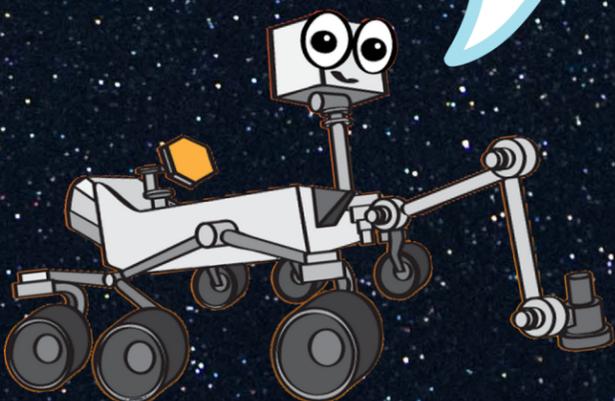




WELCOME TO MOONWALKING IN THE MILKY WAY

Please note there may be small pieces. Please stay close to your children, especially if they are young!

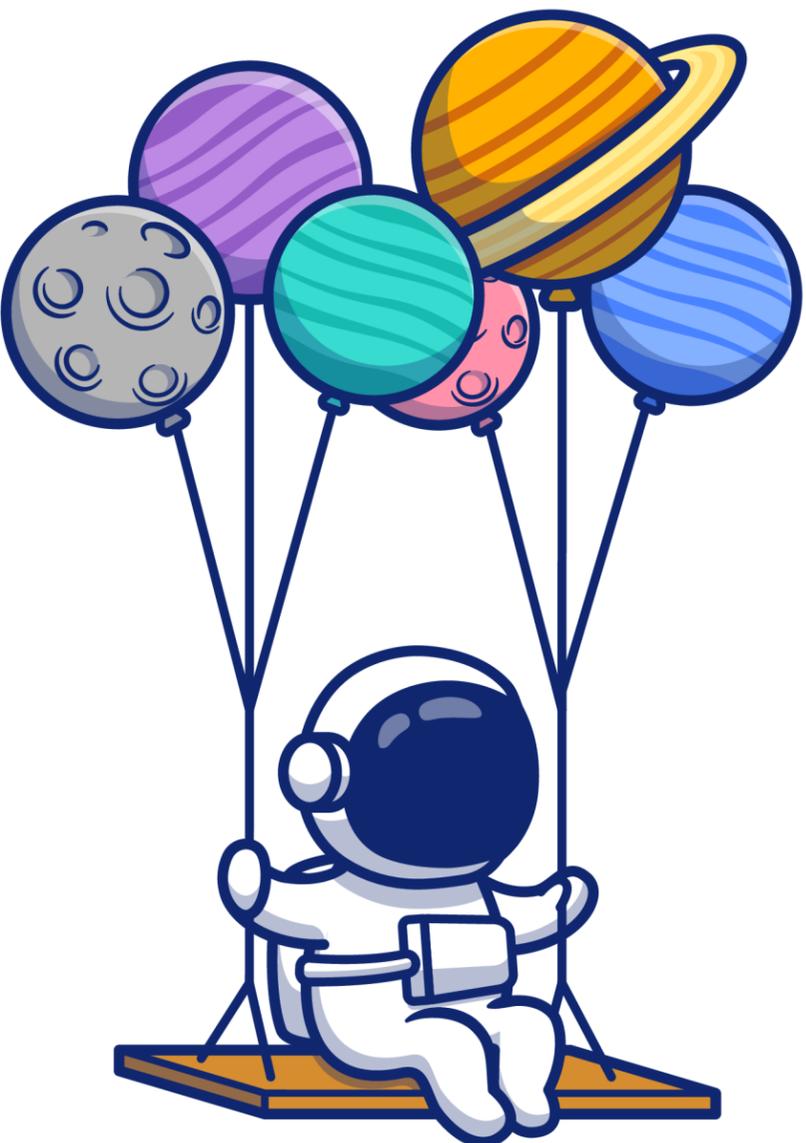
Thank you for coming!



PLANET PALOOZA

All of our solar system's planets travel around the Sun, but some are closer and some are farther away.

Can you put the planets in order?



Mercury (closest to the Sun)
Venus
Earth
Mars
Jupiter
Saturn
Uranus
Neptune