

Where to Next?

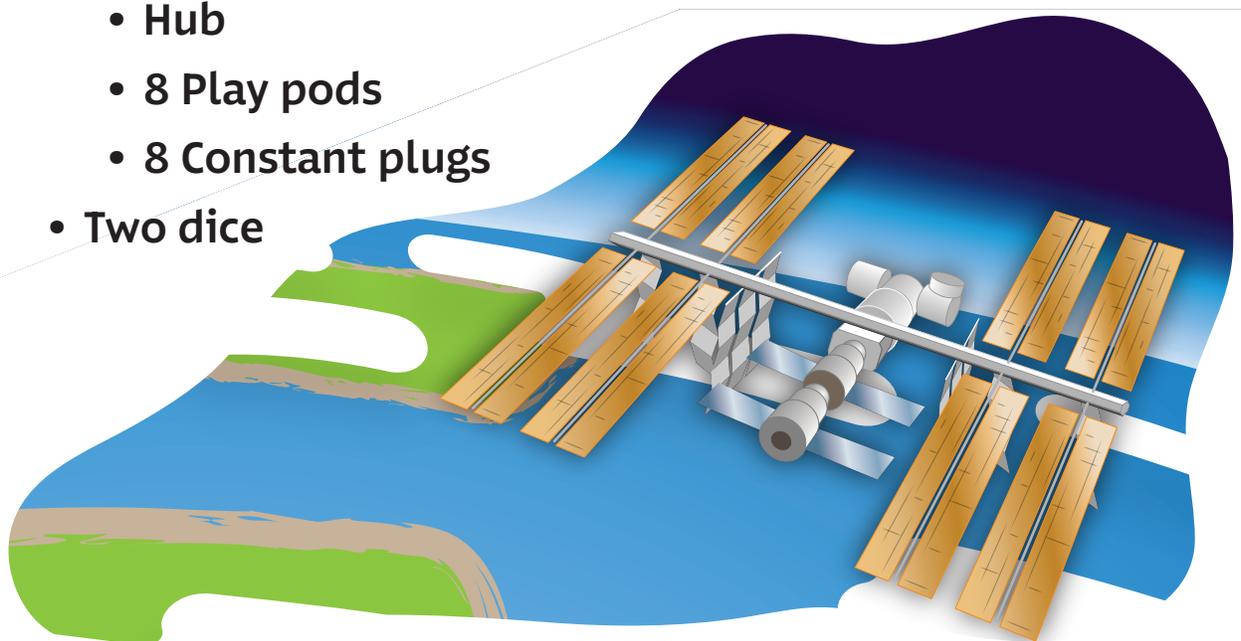


Where does CJ go next? Mars or the International Space Station?

CJ is leaving Earth! Where should the next stop be? Answer the questions below to send CJ to Mars or to the International Space Station. On Mars you will learn about the rover Perseverance. On the ISS you can talk to the astronauts on board.

Materials:

- Computer with Code Jumper App
- Code Jumper kit
 - Hub
 - 8 Play pods
 - 8 Constant plugs
- Two dice



Directions:

To determine where CJ is going to go after Earth, Answer the questions to build the program to their next destination.

Create your program before connecting it to the Hub.

- Place the Selection pod on the table in front of you.
- Put the eight Play pods and Constant plugs off to the side.
- Answer the first question by inserting the correct Constant plug into the sound dial of a Play pod.
- The Selection pod has two dials, one with 2 spokes and one with 3 spokes. Connect the Play pod with the Constant to the correct port below the dial (not in the dial!). The choice you make will tell you which dial it goes with.
- Answer each of the four questions by adding another Play pod with a Constant to the correct port below the dial.
- Plug the Selection pod into Thread 1. Do not press Play yet!
- Once you have made all 4 choices, count the number of Play pods each dial has.
- Then turn the Selection dials to the number of Play pods for that dial. Hint! If you have zero for one of the dials, turn the dial to 1. Hint! If you have a tie, roll the dice for each dial and turn the dial to that value.
- Press play! You will hear where CJ is going next along with interesting facts about the location.
- Try again to see if you can have CJ go to the other location.

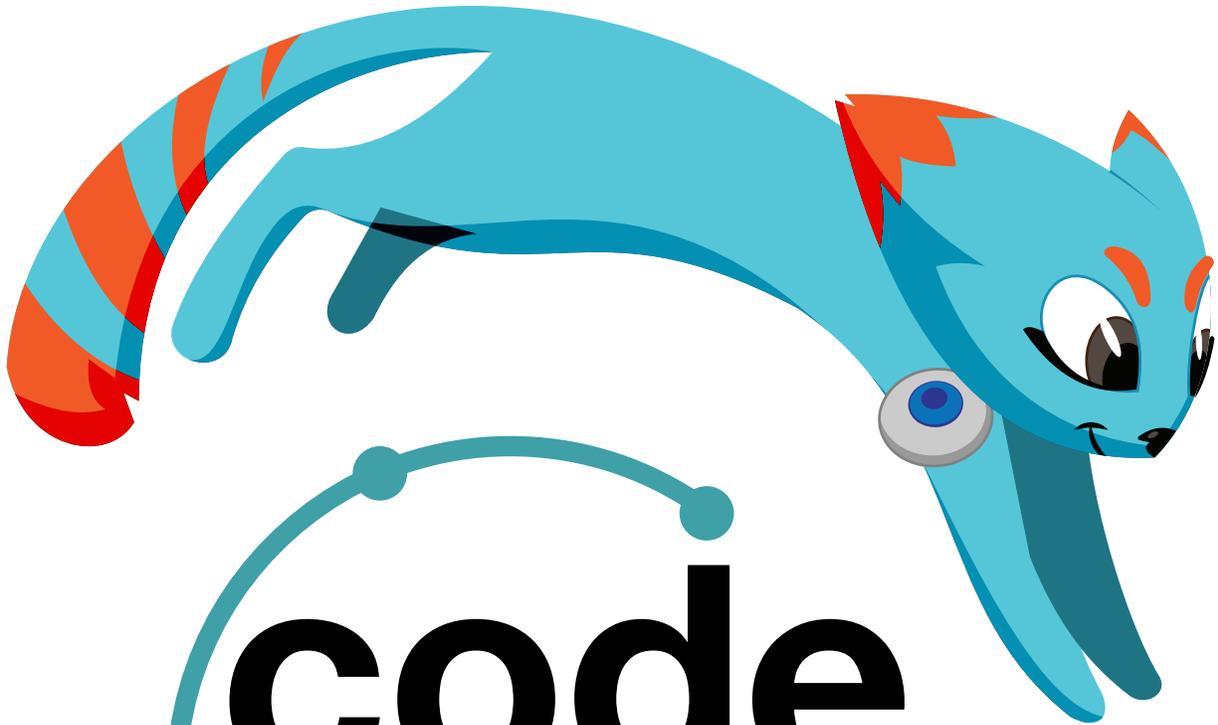
Question	Choice A	Choice B
How far does CJ want to go?	More than 500 miles away from Earth: Insert Constant 1 into a Play pod and connect to the thread for the 2 spoke dial.	Less than 500 miles from Earth: Insert Constant 2 into a Play pod and connect to the thread for the 3 spoke dial
Sunrise and sunset are different on Earth than on Jupiter. Do you think CJ would like more or less sunrises and sunsets?	Yes! CJ wants many sunrises and sunsets: Insert Constant 3 into a Play pod and connect to the thread for the 3 spoke dial.	No. CJ is good with fewer sunrises and sunsets per day: Insert Constant 4 into a Play pod and connect to the thread for the 2 spoke dial.



Question	Choice A	Choice B
CJ has enjoyed making all sorts of new friends on Earth. Does CJ want time to be alone or continue to meet new friends?	CJ wants to meet as many people as possible: Insert Constant 5 into a Play pod and connect to the thread for the 3 spoke dial.	CJ is looking forward to spending time alone: Insert Constant 6 into a Play pod and connect to the thread for the 2 spoke dial.
The temperature of each location is different. What climate does CJ want to experience?	CJ wants to try out a new cold weather coat from Earth: Insert Constant 8 into a Play pod and connect to the thread for the 2 spoke dial.	CJ wants the temperature to be warm, even hot! Insert Constant 7 into a Play pod and connect to the thread for the 3 spoke dial.



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