Space: Mission ISS

OVERVIEW

This lesson will give you a look inside the International Space Station and give students missions just like astronauts. The VR content highlights the unique perspective VR can give of a place like the International Space Station that very few people will ever be able to go.

GET STARTED WITH THIS CONTENT:

Let's get started with some background information on the International Space Station.
https://www.sciencekids.co.nz/sciencefacts/space/internationalspacestation.html

Construction on the ISS started in 1998! NASA recently took a look back at how far the space station has come in that time.
https://www.nasa.gov/feature/20-years-ago-iss-construction-begins

The US National Laboratory has a great timeline and time lapse video of the ISS being built over more than a decade.
https://www.issnationallab.org/about/iss-timeline/

Here are some more great facts and figures from NASA.
https://www.nasa.gov/feature/facts-and-figures

PRE-VR QUESTIONS

How fast does the International Space Station travel?

How many people have visited the ISS? Bonus: How many countries were those visitors from?

How long does it take to get from earth to the ISS?

NOW, LET'S DIVE INTO MISSION: ISS.
HERE'S HOW TO GET STARTED:

1. Open the Mission: ISS app.
2. When the app opens, select the training mode to get started.
3. Select the missions when you're done with training.
4. There is motion in this application so please take breaks and remove the headset if you're feeling uncomfortable at any time.

POST-VR QUESTIONS

Explore the Destiny Lab

What do astronauts use to exercise?

How do astronauts wash their hair in space?

What is the Cupola?

What does the robotic workstation do?

When astronauts drink a cup of coffee how does it look different from on earth?

Learn to operate the Canadarm

This section of the experience is difficult, but see if you can finish it. Remember that you can move your controller left and right and can also twist it to control the arm.

Go on a Spacewalk
What are the ways to get around on a spacewalk?

Explore
What does the JEM Airlock do?

What is in the Columbus module?

What is the purpose of MARES?

HERE ARE SOME ADDITIONAL RESOURCES YOU CAN USE TO LEARN MORE ABOUT SPACE EXPLORATION:

This app will show you where the ISS is in the sky at any time. It will also show you when the ISS can be seen from your location.
https://apps.apple.com/us/app/iss-spotter/id523486350
https://play.google.com/store/apps/details?id=com.runar.issdetector&hl=en_US

With JigSpace you can view space objects in augmented reality. Use this technology to get a great perspective of different satellites and vehicles in space.
https://jig.space