



NASA's Commercial Crew Program Virtual Reality 360 Tour

A New Era in Spaceflight

Video link: <https://youtu.be/BMvPLd25LV8>

Description

Part 5 of NASA's Commercial Crew Program (CCP) Virtual Reality (VR) 360 Tour gives students a closer look at Johnson Space Center, spacecraft simulation, and spacesuit training. Students will explore training simulators and the new spacesuit designs being used by NASA partners Boeing and SpaceX to keep our astronauts safe.



Next Gen STEM and the Commercial Crew Program

The CCP (<https://nasa.gov/exploration/commercial/crew/index.html>) plays an integral role in NASA's deep space exploration goals as it works with commercial partners to launch astronauts to the International Space Station from U.S. soil on American-built rockets and spacecraft.

NASA's Next Gen STEM CCP project is introducing immersive technology into classrooms. The 360° videos and VR field trips take students along on a journey into the heart of the CCP without leaving the classroom. The virtual field trips to NASA centers and the Boeing and SpaceX facilities showcase where next-generation, human-rated spacecraft and rockets are being developed and tested.

To access the CCP virtual field trips, follow this link:

<https://youtube.com/playlist?list=PLStC43yAV6zQvFdRe4ch2I8ihBuqTylJf>

Ride to Station Application

This interactive application (app) gives an overview of the complexities involved in getting to and conducting research aboard the International Space Station. The app is also challenging and fun! The CCP focuses on working with NASA partners Boeing and SpaceX to create American commercial capabilities to safely send humans to and from the International Space Station.

The Ride to Station Application Educator Guide equips educators with simple tools and knowledge to take a fun, interactive app and turn it into a powerful, educational tool for students of all ages!



<https://nasa.gov/sites/default/files/atoms/files/ccpappeducatorguide.pdf>

Activity

Ride to Station Application

Grades

5 to 8, 9 to 12

Duration

60 minutes

Subjects

- Rocketry
- Space Station
- Space Vehicles

Standards

Next Generation STEM Science Standards (NGSS)

3-5-ETS1-2

3-5-ETS1-3

MS-PS3-5

MS-ETS1-3

NASA STEM Engagement

<https://nasa.gov/stem/nextgenstem/index.html>