



# NASA's Commercial Crew Program Virtual Reality 360 Tour

## Launching Again From American Soil

Video link: [https://youtu.be/H0\\_IGAC1cKc](https://youtu.be/H0_IGAC1cKc)

### Description

In Part 6 of NASA's Commercial Crew Program (CCP) Virtual Reality (VR) 360 Tour, a NASA communications specialist takes students to Launch Complex 39A and Space Launch Complex 41 at Kennedy Space Center. Students will also visit Boeing's Vertical Integration Facility and the Hangar used by SpaceX to prepare its Falcon 9 rocket for launch.



### 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.

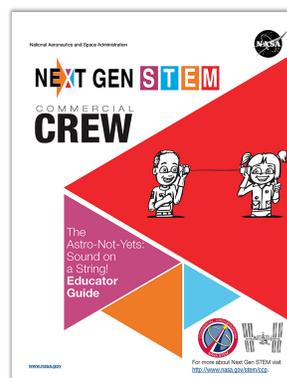
Follow this link to access the CCP virtual field trips:

<https://www.youtube.com/playlist?list=PLTUZypZ67cdumL1V4yFWifoxwjb3rDCzb>

### The Astro-Not-Yets: Sound on a String

In this activity, pairs of students work together to develop a hypothesis for how sound travels. They experiment with different types of cups, cup sizes, types of string, and string lengths to determine the best method to transmit sound through a string cup phone.

<https://nasa.gov/sites/default/files/atoms/files/sound-on-a-string-educator-guide.pdf>



### Activity

The Astro-Not-Yets: Sound on a String

### Grades

K to 4, 5 to 8, 9 to 12

### Duration

60 minutes

### Subject

Sound

### Standards

Next Generation STEM Science Standards (NGSS)

1-PS4-1

Common Core State Standards (CCSS) for Mathematics

1.MD.C.4

### NASA STEM

### Engagement

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