

“XPLORATION OUTER SPACE”

SEASON VI - 2019/2020

FCC FRIENDLY EPISODE WRITE-UPS

FOURTH QUARTER

Week of September 30, 2019 through week of Decmeber 23, 2019

Week of September 30, 2019 (Episode #105)

The InSight Lander is on its way to Mars. Host Emily Calandrelli discovers what it takes to prepare this spacecraft for its mission, learns all about the science it will do once it lands, and feels the power of this historic launch.

Week of October 7, 2019 (Episode #106)

Do you know which planet in our solar system has a longer day than year? Or why Apollo astronauts were quarantined after returning from the Moon? Learn all this and more as host Emily Calandrelli speaks to two experts about the most fascinating facts about our universe.

Week of October 14, 2019 (Episode #107)

Host Emily Calandrelli explores the future of space medicine and how we may overcome the challenges ahead. She operates a small surgical robot and 3D prints a custom medical device.

Week of October 21, 2019 (Episode #108)

Astronauts from the last five decades share stories of their adventures. Scientists and engineers involved with exploring space also give insights to the fascinating worlds within our solar system.

Week of October 28, 2019 (Episode #109)

Countless spacecraft, such as Cassini and Galileo, have made invaluable discoveries in our solar system – but they can’t last forever. Who decides when and how to end their missions? Host Emily Calandrelli speaks to NASA scientists at the heart of these decisions.



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Week of November 4, 2019 (Episode #110)

Host Emily Calandrelli gets an inside look at some of the coolest jobs in the space industry. From becoming a famous space YouTuber, to smelling items before they go to the International Space Station, these are not your typical careers.

Week of November 11, 2019 (Episode #111)

Scientists and engineers sometimes have to go to extremes to learn more about our universe. Host Emily Calandrelli boards the world's largest flying observatory, dives to an underwater habitat, and explores a laboratory nearly a mile underground.

Week of November 18, 2019 (Episode #112)

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Week of November 25, 2019 (Episode #113)

Host Emily Calandrelli holds the fourth annual #StudentAstronaut Contest. One lucky student wins a trip to Russia to train like a cosmonaut at the Yuri Gagarin Cosmonaut Training Center.

Week of December 2, 2019 (Episode #114)

NASA has been remarkably successful sending robot to Mars' surface. Host Emily Calandrelli looks at the varied and ingenious methods used to land spacecraft on the red planet, starting with Pathfinder in 1997.



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Week of December 9, 2019 (Episode #115)

The year 2011 was remarkable as NASA visited several planets, asteroids and comets. Host Emily Calandrelli explores the amazing journeys of spacecraft that gathered spectacular images of Mercury, Jupiter and Mars.

Week of December 16, 2019 (Episode #116)

Host Emily Calandrelli looks at how surviving in deep space can become a reality. Lockheed Martin is designing a spacecraft, similar to a smaller International Space Station, where astronauts can comfortably make a three-year trip to Mars and back.

Week of December 23, 2019 (Episode #117)

The Hubble Space Telescope provides amazing insights into our universe, capturing stars forming and distant galaxies. Host Emily Calandrelli looks at the incredible phenomena of our universe, and our own planet's turbulent atmosphere.