

# **“XPLORATION OUTER SPACE”**

SEASON VII - 2020/2021

**FCC FRIENDLY EPISODE WRITE-UPS**

## **FOURTH QUARTER**

Week of September 28, 2020 through week of December 21, 2020

### **Week of September 28, 2020 (Episode #105)**

NASA is planning to not only send humans back to the moon, but also create a permanent residence on the lunar surface. Host Emily Calandrelli explores the different aspects of this historic mission.

### **Week of October 5, 2020 (Episode #106)**

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.

### **Week of October 12, 2020 (Episode #107)**

Some events in space exploration have changed the way we look at the universe. Host Emily Calandrelli meets with Scott Kelly, the astronaut twin who spent nearly a year in space. She also visits the LIGO Observatory in Louisiana, which has revolutionized the way we study the universe.

### **Week of October 19, 2020 (Episode #108)**

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 October 26, 2020 (Episode #109)**

Why does Neptune appear blue? Which moons might harbor life? Host Emily Calandrelli speaks with two experts about each planet in our solar system and uncovers some misconceptions about the nature of space.

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#### **Week of November 2, 2020 (Episode #110)**

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 9, 2020 (Episode #111)**

Space becomes a rich tapestry for several artists, including an astronaut who once walked on the moon. Host Emily Calandrelli meets with several artists who bring their own vision and interpretation of outer space

#### **Week of November 16, 2020 (Episode #112)**

In recognition of the 50th anniversary of landing on the moon, Xploration Outer Space celebrates and remembers this incredible event, with amazing footage and new interviews with astronauts and historians.

#### **Week of November 23, 2020 (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 November 30, 2020 (Episode #114)**

NASA is planning to not only send humans back to the moon, but also create a permanent residence on the lunar surface. Host Emily Calandrelli explores the different aspects of this historic mission.

#### **Week of December 7, 2020 (Episode #115)**

Is space exploration for everyone? It hasn’t always been, but it certainly can be. From individuals who are deaf, to the developing world, host Emily Calandrelli highlights some hidden figures in this industry and shows how there’s space...for all explorers.



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#### **Week of December 14, 2020 (Episode #116)**

Some events in space exploration have changed the way we look at the universe. Host Emily Calandrelli meets with Scott Kelly, the astronaut twin who spent nearly a year in space. She also visits the LIGO Observatory in Louisiana, which has revolutionized the way we study the universe.

#### **Week of December 21, 2020 (Episode #117)**

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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