

## **A Hosted Experience**

The Challenger Space Center offers two unique field trip options for groups: Simulated Space Missions and activity based workshops. Both experiences are hosted by Challenger Flight Directors. Each Flight Director has extensive space knowledge and will inspire your students with the possibility of space exploration. During your visit, bring a lunch to eat in our Cosmic Café.

**While you are here, leave time to visit our Galaxy Gift Shop!**

**For more information on the Challenger Space Center Arizona field trip visit [www.azchallenger.org](http://www.azchallenger.org) or call 623-322-2001.**

The Mission of the Challenger Space Center is to inspire, excite and educate people of all ages about the mysteries and wonders of space, science and the universe in which we live.



### **NEO Landing** **3<sup>rd</sup> - 5<sup>th</sup> Grade**

NASA is entering a new era of human space exploration. By 2025, NASA scientists plan to send an astronaut to a Near-Earth Object (NEO) as a springboard to future Mars missions. A voyage to a NEO could take three to six months and cover five million miles. Today's students who learn how to live and work on these extended NEO journeys are the space travelers of tomorrow. Excite your students about the possibilities of space exploration with this program designed in accordance with Arizona's 3<sup>rd</sup> – 5<sup>th</sup> grade standards. A Challenger Center Flight Director will lead your students through a two-hour workshop featuring hands-on activity stations and an interactive demonstration which explores the properties of light which inform us about of the universe. This workshop was formerly known as Moonbase 2020 and has been tailored to match NASA's new initiative.



### **Spaced Out** **6<sup>th</sup> - 8<sup>th</sup> Grade**

Today's students are tomorrow's space colonists. The path will not be easy but with this early start and proper training, these future astronauts will be ready for the mental and physiological challenges ahead. Get a glimpse into the life of an astronaut, experience the mixture of excitement, adventure, and a sense of confinement that is living and working in space. A Challenger Center Flight Director will guide your students through the two hour workshop. Your students will experience first hand the stress of an emergency situation by reenacting the near disaster aboard the Apollo 13 mission. Teams of students must design and build a working air filter using reproductions of the equipment available to the Apollo crew. In addition, a series of interactive demonstrations will allow the students to investigate the effects of microgravity on the human body.

### **Space Place** **Pre K - Kindergarten**

Take a trip to space in the Earth Space Transit Module. This two-hour classroom workshop is facilitated by a Challenger Center Flight Director. It explores our planet and the solar system in a way that is both fun and educational for students. Through carefully selected books, video and hands-on creative activities, students will be captivated by the mysteries and wonders of space exploration and learn what it takes to be an astronaut.

**ESTM ~ Story-Time ~ Sing Songs**  
**Spacey Video ~ Design your own Helmet**



### **Destination Space Station** **1<sup>st</sup> - 2<sup>nd</sup> Grade**

This two-hour classroom workshop facilitated by a Flight Director focuses on the eight planets in our solar system. With the use of team-work, students are introduced to the International Space Station and take a trip in the Earth Space Transit Module. Through the use of books, video and hands-on creative activities they learn what it takes to be an astronaut.

**ESTM ~ Team Building**  
**Space Themed Story - Time/Songs**  
**Design your own Helmet**

# CHALLENGER

## Workshops



**Space Place**

Pre K - K

**Destination Space  
Station**

1<sup>st</sup> - 2<sup>nd</sup>

**NEO Landing**

3<sup>rd</sup> - 5<sup>th</sup>

**Spaced Out**

6<sup>th</sup> - 8<sup>th</sup>

**INSPIRE**

**EXCITE**

**EDUCATE**



**ARIZONA**  
In association with the  
Smithsonian Institution



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