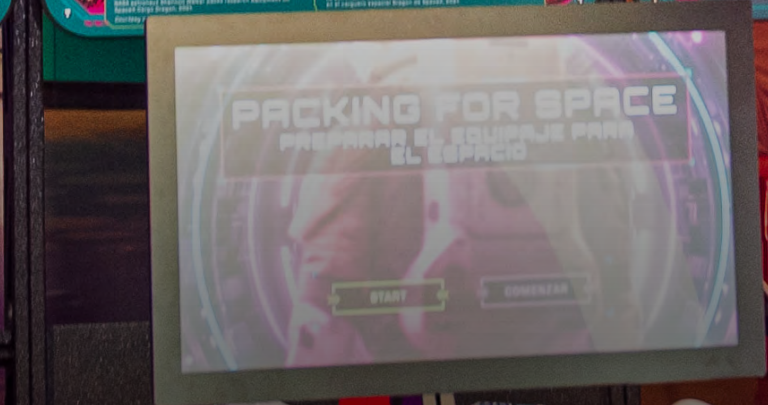


MISSION: ASTRONAUT

PACKING FOR SPACE
PREPARAR EL EQUIPAJE PARA EL ESPACIO

RECURSOS
During each mission, every piece of equipment and resource is carefully limited because of the limited amount of space.
Resources of this limited space and include: food, water, air, and oxygen.
Participants are required to pack their equipment and resources into a limited amount of space. This is a challenge because of the limited amount of space and the limited amount of resources.

RECURSOS
Durante cada misión, cada pieza de equipo y recurso es cuidadosamente limitada debido a la limitada cantidad de espacio.
Los recursos de este espacio limitado incluyen: comida, agua, aire y oxígeno.
A los participantes se les requiere que empaqueten su equipo y recursos en una cantidad limitada de espacio. Este es un desafío debido a la limitada cantidad de espacio y a la limitada cantidad de recursos.



DOCK THE CAPSULE
ACOPLAR LA CÁPSULA

INSTRUCIONES
The two capsules in orbit & mission. Place the ball in space and use resources.
Sitio de acoplamiento de la cápsula en órbita. Coloque la pelota en el espacio y use los recursos.

COMENZAR **COMENZAR**



FLYING FISH



MISSION: ASTRONAUT

A central figure of an astronaut in a full space suit stands in a futuristic tunnel. The tunnel is composed of concentric, glowing rings in shades of cyan and magenta. The background is dark with faint star patterns. The overall aesthetic is high-tech and sci-fi.

Embark on an exhilarating journey as you immerse yourself in astronaut training and tackle STEM challenges that simulate real space missions.



Space exploration poses a unique set of challenges that astronauts must learn to overcome.

Through the use of technology, problem-solving, and teamwork, space exploration is possible - and new discoveries can be made to benefit life on Earth.

Visitors are astronauts in training as they journey through future-focused STEM missions.

Dynamic interactives simulate potential challenges they may encounter in space.

Scene-setting media will provide essential knowledge and skills related to life in space.





LEARNING OBJECTIVES

- »» Promote curiosity and enthusiasm toward STEM-related fields
- »» Create an unforgettable adventure
- »» Design an experiment that is adaptable and inclusive to all

VISITOR JOURNEY



Welcome to **Mission: Astronaut**, a hands-on experience where visitors will learn about space exploration, the technology that makes it possible, its impact on life on Earth, and more through astronaut training challenges.



Each section presents interactive tasks requiring an astronaut's mindset to solve, focusing on engineering, physics, teamwork, and fun!



First, astronauts meet their astronaut guides before learning how to conduct research, maintain the space station, and live in space.

Visitors can operate a robotic arm, participate in space experiments, and learn about astronauts daily routines. The concluding challenge: Apply their acquired knowledge and creativity to envision a future space station or planetary settlement capable of supporting human life.

This exhibition provides dual language (English and Spanish) interpretation to give context to the challenges of space. Visitors will learn fun facts about space from Astronaut Guides throughout their journey.





EXHIBITION SECTIONS

Welcome to Astronaut Training:

Learn why space exploration is important, and meet your Astronaut Guides.

Astronaut Guides:

These fictional astronauts have different STEM skills, reinforcing the importance of teamwork and the skills needed for space missions.



Preparing for Space:

Learn how astronauts prepare for space missions by packing a capsule and practicing docking with a space station simulator.

Interactives:

'Packing for Space' - Get ready for a challenge! Pack a space capsule for launch by virtually 'scanning' various items that astronauts commonly pack for space missions.

'Docking a Capsule' - Guide a space capsule to the docking port of a space station using joysticks and receiving guidance from mission control voices. Witness an authentic capsule launch with captivating sights and sounds.



LA CREW QUARTERS EN EL ESPACIO



HOLLY'S FIELD

Objective: Assess support methods on mental health during the mission.

Methods tested:

- Maintaining a daily schedule and physical activity
- Maintaining contact with system on Earth and in space
- Time for leisure activities
- Pre-mission training

NOTAS DE HOLLY

Objetivo: Evaluar los métodos de apoyo a la salud mental durante la misión.

Métodos probados:

- Mantener un horario y la actividad física
- Mantener contacto con el sistema terrestre y el espacio
- Tiempo para actividades de ocio
- Entrenamiento previo a la misión

SLEEPING IN SPACE

Without the feeling of "up" or "down" in space, astronauts can sleep in a variety of positions because of microgravity. To prevent drift, they attach themselves to their sleeping quarters in a sleeping bag.

These sleeping quarters are also spaces where astronauts call family and friends on Earth, listen to music, and relax after a long day.

DORMIR EN EL ESPACIO

Sin la sensación de "arriba" ni "abajo" en el espacio, los astronautas pueden dormir en diversas posiciones gracias a la microgravedad. Para evitar flotar, se sujetan a sus cuartos de dormir con sus sacos de dormir.

En estas cabinas los astronautas también llaman a sus familiares y amigos en la Tierra, escuchan música y se relajan después de un día largo.

Living in Space:

In this section, visitors will learn how day-to-day activities like brushing their teeth and going to the bathroom change while living in space.

Interactives:

- **'Cook a Meal'** - Roll up your sleeves and create a space-worthy meal like an astronaut! Choose from a variety of vacuum-packed or stabilized foods, and then rehydrate and warm them up using a hand-crank conveyor belt.
- **'Crew Quarters'** - Take a glimpse into futuristic sleep and bathroom pods. Observe how astronauts address their daily needs in the unique environment of space.



Science in Space:

Engage with various experiments and explore space research projects on topics like plant growth, human health, and Earth and space science.

Interactives:

- **'Growing Plants'** - Prepare for future Mars missions by experimenting with growing plants in a simulated Mars environment.
- **'Human Health'** - Discover the effects of extended space missions on bone density. Hop on a bike to complete a timed exercise or lift weights.
- **'Earth I-Spy'** - Challenge yourself to identify various Earth landmarks and weather patterns in a video.

Space Operations:

Interact with robotics, spacesuits, and other advanced technologies commonly found in a space station.

Interactives:

- **'Robotic Arm'** - Take control of a robotic arm and collect as much space debris as possible within the time limit. Experience the challenge of managing space debris in this interactive activity.
- **'Operating in a Spacesuit'** - Experience the precision required in astronaut tasks by placing your hands inside replica spacesuit gloves and performing three distinct fine motor skill activities.
- **'Engineer a Spacesuit'** - Design a spacesuit for Mars, the Moon, or a spacewalk in this interactive.

Future of Space Exploration:

In the immersive conclusion, visitors are urged to contemplate the future of space exploration and its impact on human life.

Interactives:

- **'Building in Space'** - Prepare for future Mars missions by experimenting with growing plants in a simulated Mars environment.
- **'Futuristic Projection Area'** - Discover the effects of extended space missions on bone density. Hop on a bike to complete a timed exercise or lift weights.
- **'Reflection Area'** - Design a spacesuit for Mars, the Moon, or a spacewalk in this interactive.



EXHIBITION PARTNERS

About Flying Fish

Flying Fish is a leading producer of traveling exhibitions. We collaborate with top museums and science centers to create extraordinary and impactful experiences. We are committed to making exceptional, authentic content accessible to all while generating sustainable revenue streams for our clients.

For Museums. By Museums.
flyingfishexhibits.com

About The DoSeum

The DoSeum is one of the leading children's museums in the nation; a place where your mind is always at play. The DoSeum offers innovative exhibits and experiences to get children excited about concepts in science, math, art, and literacy and encourages them to take the excitement into the world. Through joyful learning and discovery, The DoSeum Experience grows curious minds, connects families, and transforms communities.

TheDoSeum.org

About Intrepid Museum

The Intrepid Museum is a non-profit, educational institution featuring the legendary aircraft carrier Intrepid, the space shuttle Enterprise, the world's fastest jets and a guided missile submarine. Through exhibitions, educational programming and the foremost collection of technologically groundbreaking aircraft and vessels, visitors of all ages and abilities are taken on an interactive journey through history to learn about American innovation and bravery.




intrepidmuseum.org



FLYING FISH



SPECS

-  **Size:**
3,500 - 5,000 sq. ft.
-  **Production Time:**
Ten (10) working days for installation
Seven (7) working days for deinstallation
-  **Freight:**
Two (2) 53 ft. trailers
-  **Tour Availability**
June 2025 and beyond

CONTACT

- »» info@flyingfishexhibits.com
- »» flyingfishexhibits.com
- »» +1.651.207.8877

Mission: Astronaut is a traveling exhibition produced and toured internationally by Flying Fish, with support from The DoSeum and the Intrepid Museum.

