



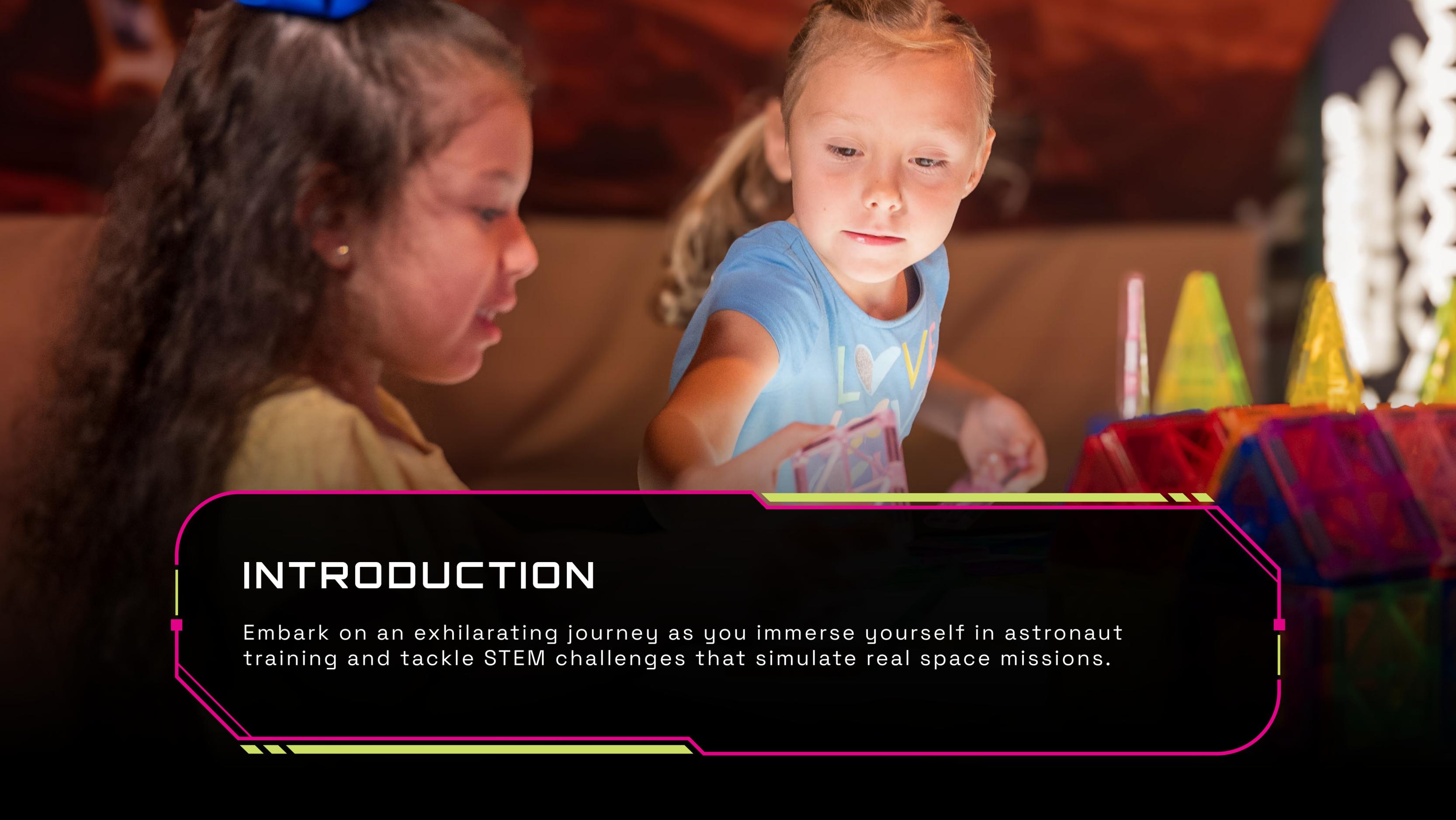
MISSION: ASTRONAUT

EXHIBITION PROSPECTUS



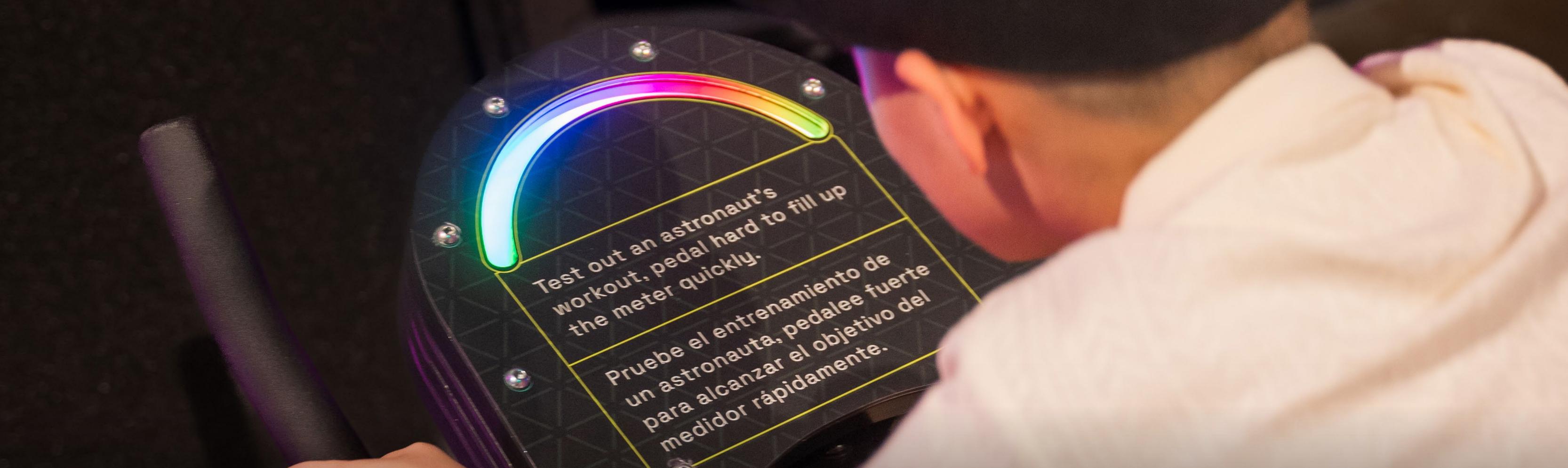
MISSION: ASTRONAUT





INTRODUCTION

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



Test out an astronaut's workout, pedal hard to fill up the meter quickly.

Pruebe el entrenamiento de un astronauta, pedalee fuerte para alcanzar el objetivo del medidor rápidamente.

THE BIG IDEA

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.

EXHIBITION STORY

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!



SPACE EXERCISE

Astronauts, it's time for you to get your daily exercise to fight muscle and bone loss.

Hang on the handle and pedal hard to achieve your exercise goal.

Astronauts are scheduled for two and a half hours of exercise a day, but you can get a taste of their exercise routine by seeing how fast you can fill up the meter.

HEALTH SCIENCE

Microgravity in space means your muscles and bones don't have to work to hold you upright, pump your blood, or move you around. This causes many physical changes, including muscle loss, decreased bone

health, and the heart's shape changing from an oval to a sphere. Many of these changes are avoided with exercise to prevent long-term damage.

CIENCIAS DE LA SALUD

La microgravedad en el espacio hace que ni los músculos ni los huesos tengan que trabajar para bombear la sangre o para que el cuerpo se mantenga erguido o se mueva. Esto provoca muchos cambios físicos, como pérdida de masa muscular, disminución

de la salud ósea y cambio en la forma del corazón, que pasa de ovalado a esférico. Muchos de estos cambios se evitan con ejercicio para prevenir afecciones a largo plazo.

EJERCICIO EN EL ESPACIO

Astronauta, es hora de hacer su ejercicio diario para combatir la pérdida de masa muscular y ósea.

Súbase a la bicicleta y pedalee con fuerza para alcanzar su objetivo de ejercicio.

Los astronautas tienen programadas dos horas y media de ejercicio diario, pero usted puede hacerse una idea de la rutina de ejercicio que siguen, probando qué tan rápido alcanzan el máximo de su medidor de velocidad.

First, visitors 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

1 Welcome to Astronaut Training:
In this section, visitors are introduced to the exhibition, learn why space exploration is important, and meet their Astronaut Guides.



2 Preparing for Space:
Learn how astronauts get ready for the journey to space by packing a space capsule for a mission to the space station. They will also learn capsule docking by using a simulator to dock a capsule to a space station.

Visitors will have the opportunity to witness how astronauts prepare for their journey to space by packing a space capsule for their mission to the space station. Additionally, they will learn to dock a capsule to the space station using a simulator.



LA CREW CUARTEERS LA VIDA 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, sujetan sus sacos de dormir a sus cuartos 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.

3 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.



4 Science in Space:

Engage with a range of experiments and explore space research projects in this section. Discover fascinating topics such as plant growth, human health, and Earth and space science through interactive experiences.



5 Space Operations:

Explore robotics, spacesuits, and other cutting-edge technologies commonly found in a space station in this exhibition section. Gain insights into the advanced equipment that contributes to

6 Future of Space Exploration:

In the immersive conclusion of the exhibition, visitors will be encouraged to reflect critically on the future of space exploration and its implications for human life.

△ Interactives

- Packing for Space
- Docking the Capsule
- Cook a Meal
- Crew Quarters
- Growing Plants
- Human Health
- Earth I-Spy
- Robotic Arm
- Operating in a Spacesuit
- Engineer a Spacesuit
- Building in Space
- Futuristic Projection Area
- Reflection Area

LIFE SUSTAINING HUMAN

Spacesuits are much more than clothing - they are life support systems that regulate body temperature, air pressure, and a supply of oxygen and water.

Spacesuits have 11 protective layers of materials that make movement tricky so special joints are added to areas an astronaut may need to bend such as at the knees and elbows.

SOPORTE A LA VIDA HUMANA

Los trajes espaciales son mucho más que ropa: son sistemas de soporte vital que regulan la temperatura corporal, la presión atmosférica y el suministro de oxígeno y agua.

Los trajes espaciales tienen 11 capas protectoras de materiales que dificultan el movimiento, por lo que se agregan articulaciones especiales a las partes del cuerpo que un astronauta flexiona, como las rodillas y los codos.

SPACESUIT GLOVES

GUANTES DEL TRAJE ESPACIAL



Un astronauta visita una estación espacial.
Astronaut conducts a spacewalk outside of



EXHIBITION PARTNERS

About Flying Fish

At Flying Fish, we believe that exhibitions can achieve more. As a leading producer of traveling exhibitions for over a decade, we collaborate with world-class museums and science centers to create extraordinary and impactful experiences. Our exhibitions have welcomed more than ten million visitors worldwide, highlighting the wonders of science, history, culture, and more, and we are committed to making exceptional and authentic content accessible to all while generating new, sustainable revenue for our clients. By empowering institutions to share their stories globally, we amplify their missions and broaden their influence.

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. / 325 - 465 m²



Production:

Ten (10) working days for installation
Seven (7) for deinstallation



Freight:

Two (2) 53 ft. trailers by land
Two (2) hi-cube containers by sea

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FLYING FISH