



SUN EARTH UNIVERSE SOL TIERRA UNIVERSO

An engaging and interactive museum exhibition about Earth and space science for family audiences.



Description:

In collaboration with NASA, the National Informal STEM Education Network (NISE Net) is pleased to offer eligible institutions the opportunity to apply for a free *Sun, Earth, Universe* exhibition. The *Sun, Earth, Universe* exhibition is intended for long-term display in museums across the United States, where it will engage millions of people. Fifty (50) copies of the exhibition will be fabricated; all copies will be identical and distributed to eligible NISE Network partners through a competitive application process.

Developed for museum audiences:

- Fun, hands-on, and engaging
- Designed for families with children ages 6-12
- Evaluated with museum visitors
- Reviewed by subject matter experts

Specifications:

- Footprint: 500-600 square feet (46-56 square meters)
- Layout: modular design and flexible configurations
- Signage: bilingual English and Spanish
- Power: one exhibit component requires electricity
- Location: indoor use; not for portable outreach events
- Setup: components fit through standard door and elevator

Application and award process:

The NISE Network plans to produce 50 copies of the exhibition and distribute them free of charge to eligible institutions in the United States through a competitive award process. Institutions may apply on their own or with a sharing plan among multiple institutions.

Timeline:

Applications are due May 1, 2018
Copies will be distributed July 2018 to July 2019

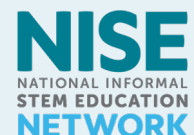
Commitments:

Successful applicants must agree to:

- Display the complete exhibition for at least one year
- Own and maintain the exhibition
- Report yearly for up to three years
- Sign a display and ownership agreement

More information:

- <http://www.nisenet.org/sunearthuniverse>
- contact: exhibits@nisenet.org



Configurations and component descriptions

Reading and Seating area

- **Current events / visitor feedback board:** Learn about upcoming astronomical events, local events, citizen science opportunities, and share your thoughts about space-themed questions.
- **Bookshelf:** Sit back and relax while browsing space-themed books and reading cards.
- **Mars landscape play table:** Little scientists use imaginative play while exploring the surface of Mars with toy rovers and spacecraft.

We ask questions about the Earth

How is Earth changing? Compare before and after satellite images of Earth to see how human-caused actions impact our home.

Use tools to detect the invisible:

Use an infrared camera, an ultraviolet (UV) light, a magnifying glass, and a magnetic field detector to reveal the information that's not visible to our human eyes.

We ask questions about the solar system

What is it like on other planets? Use colored blocks to create a topographic map of elevations on Venus to learn how scientists use color to visualize data.

We ask questions about the Sun

Compare images of that show the Sun at periods of high activity, called the solar maximum, and periods of low activity, the solar minimum.

We ask questions about the universe

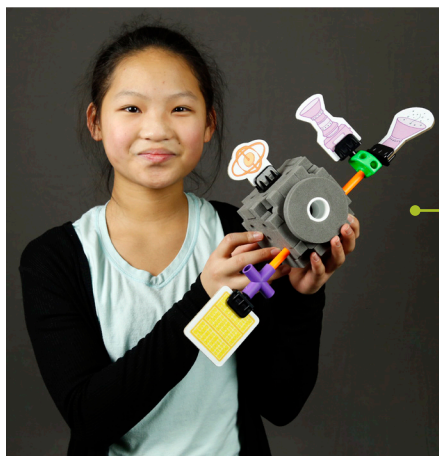
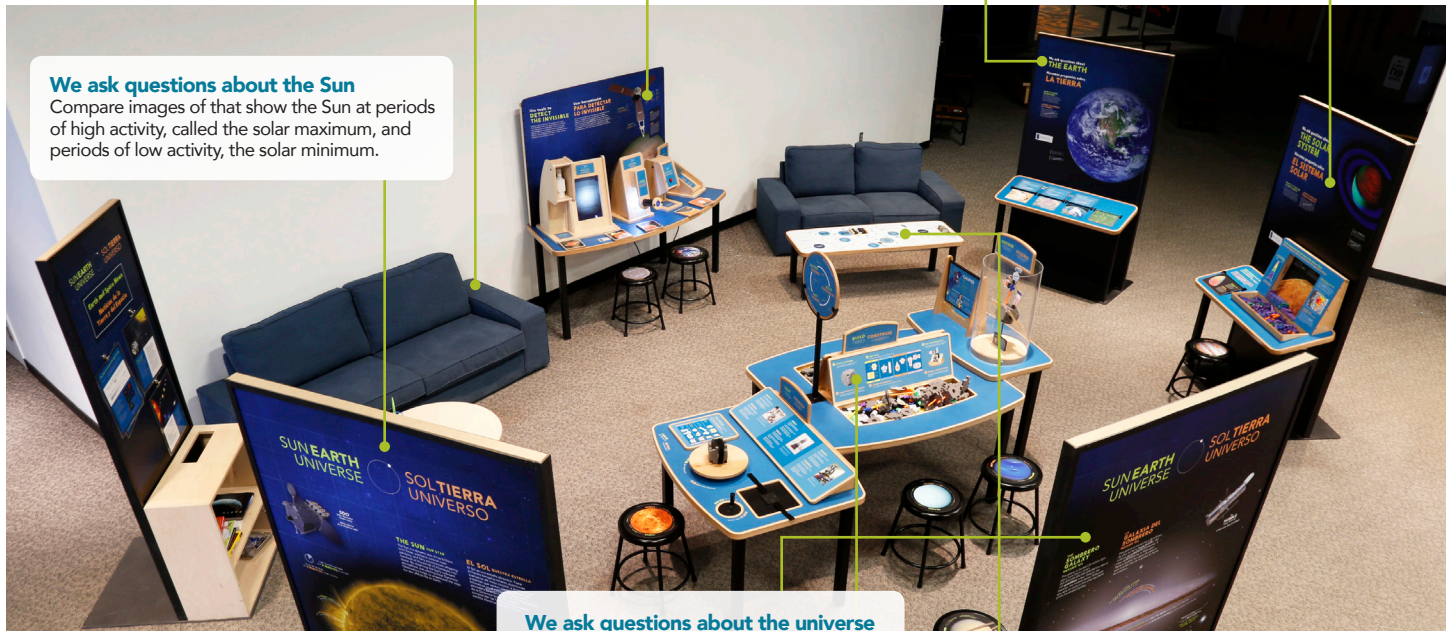
Are we alone? Spin a tumbler of 10,000 beads, representing all of the stars we can see from Earth to search for the unique one that represents our Sun.

Design>Build>Test engineering activity:

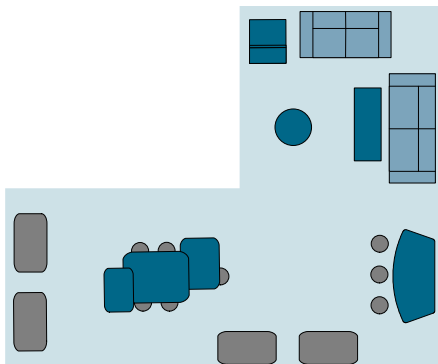
Design, build, and test your own spacecraft model that has key tools needed to complete a NASA mission.

Your Mission to Space board game:

Put all your space mission-planning knowledge to the test by playing this board game. Will your mission be the first to be completed? What will you discover?

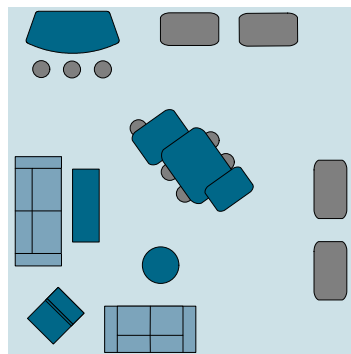


The exhibition's modular design allows for flexible configurations and layouts



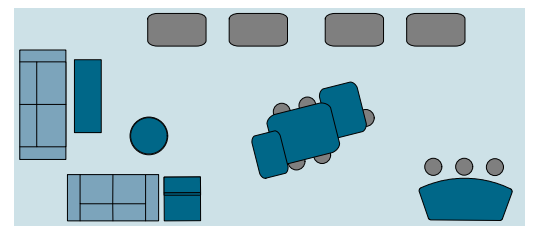
Corner

30 x 25 feet



Group

24 x 24 feet



Line

35 x 15 feet