

THE VOYAGE SCALE MODEL SOLAR SYSTEM EXHIBITION



The Voyage Exhibition in Washington, DC, from the entry point to the Mars unit.

Design

Designed for a minimum 10-year lifetime, using materials with proven durability. Units are made of solid anodized aluminum, and feature:

- High-resolution full-color storyboards and interpretive materials on porcelain enamel panels.
- Planets and moons, laser-sculpted in 3-dimensions inside solid crystal, with a hardened (tempered) glass front-plate.

The *Voyage* exhibition on the National Mall in Washington, DC, has been in place since October 2001. Washington, DC, is associated with large seasonal variations in ambient conditions, and the National Mall is one of the nation's highest visitor traffic environments.

Components

The exhibition is comprised of 13 units placed along a 600-meter (2000-foot) path:

- Ten 8.5-foot tall units for the Sun and nine planets.
- Three 3.75-foot tall units: two providing an overview of the exhibition, and one for comets/asteroids.



OVER:

- Customization
- Site Requirements
- Site Preparation and Installation

Form and Function

Seamless fusion of sculptural elements and a powerful space science education experience. Can be naturally integrated with the outdoor spaces associated with:

- A museum, cultural center, or science center;
- Park or other recreational environment;
- University campus; or
- City-scape, or government campus.

To become a *Voyage Community*, contact Stacy Hamel, Director, Voyage Exhibition Replication, National Center for Earth and Space Science Education at: 703-508-2898, shamel@usra.edu or visit www.voyagesolarsystem.org.

Customization

Each exhibition unit includes a customized site map providing its location relative to the other 12 units and local landmarks. An acknowledgement and logo for any underwriting organizations can be placed on the two exhibition overview units.

Site Requirements

Prospective *Voyage Communities* must have access to a reasonably flat and linear plot of ground that is at least 600 meters (650 yards in length). Modifications to the one to 10-billion scale of the model Solar System, in order to accommodate shorter paths, are not possible.



Units of the inner Solar System installed in a tree box on the National Mall in Washington, DC, with the National Air and Space Museum and the Washington Monument in the background.

Site Preparation and Installation

Individual stations are delivered fully assembled. An installation guide identifies accurate placement of the exhibition units and requirements for construction of the concrete footings. Assistance is available throughout the site identification and preparation process to address a variety of issues that will arise, e.g., accuracy of planet placement versus avoidance of utility fixtures, streets, and pathways.



Neptune installed with a brick footing on the National Mall, with the Smithsonian Castle in the background.

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Development and installation of the exhibition in Washington, DC, was a joint project of Challenger Center for Space Science Education, the Smithsonian Institution, and NASA. Replication and installation of the *Voyage* exhibition at sites nationally and internationally is a program of the National Center for Earth and Space Science Education (NCESSE; www.ncesse.usra.edu), Universities Space Research Association. *Voyage* was designed by Vincent Ciulla Design (www.ciulladesign.com).



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We believe that to continue the legacy of scientific exploration, every generation must be inspired to learn what we know about our world and the Universe, and how we have come to know it.

We also believe that it takes a community to educate a child... and that it takes a network of communities to reach a generation.