

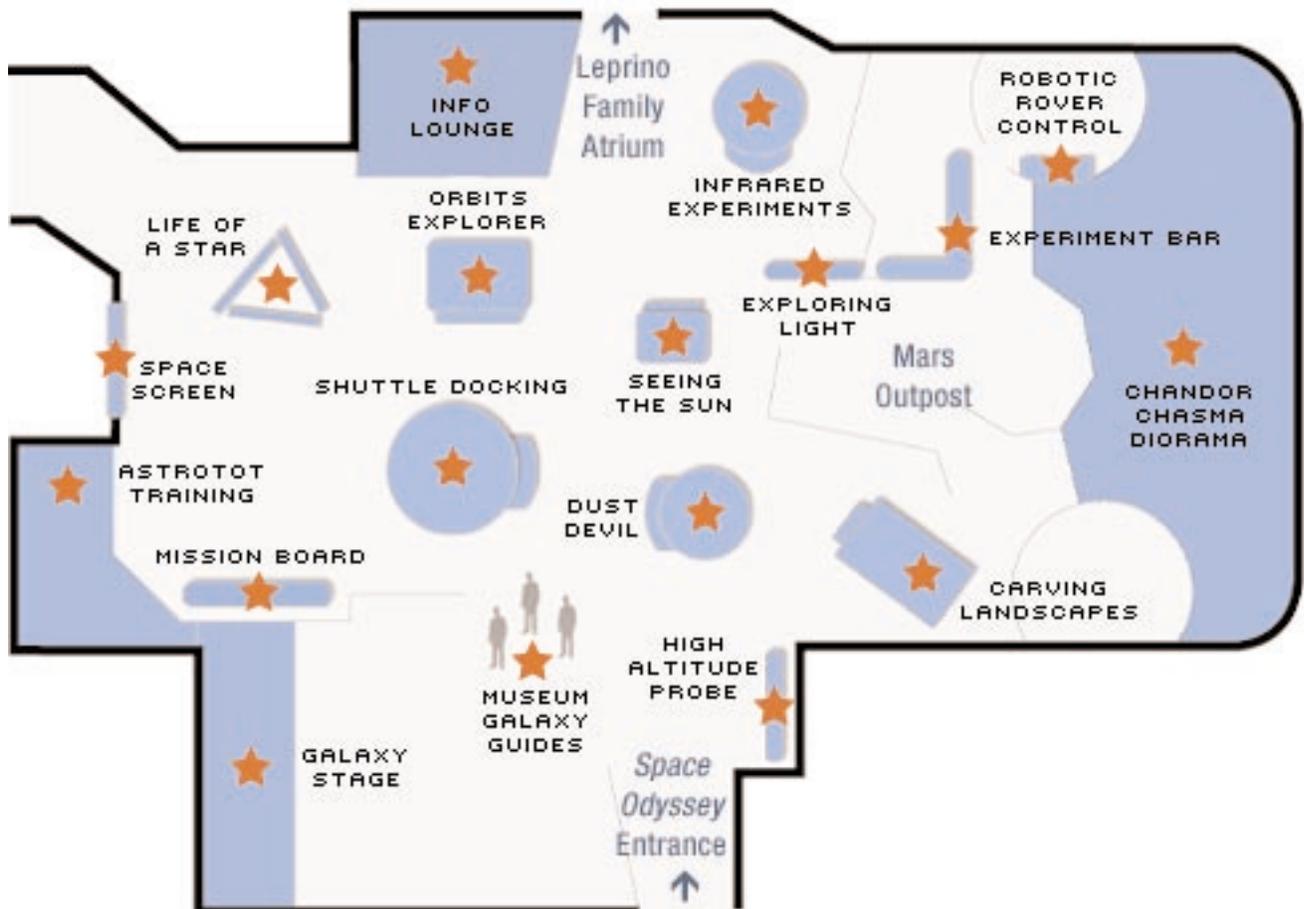
# Space Odyssey

## EXHIBIT PREVIEW

### WELCOME

You enter a space station corridor where planets and galaxies glimmer from portholes to outer space. Suddenly you emerge into a futuristic visitor center to the universe. There, you encounter a Martian landscape. Novice researchers are studying star evolution, planetary orbits, and the science of light. A giant screen broadcasts live footage from a NASA mission. Is this 2003, Denver, planet Earth? No, it's *Space Odyssey*, where you become a space scientist and the universe becomes your lab.

### FLOOR MAP



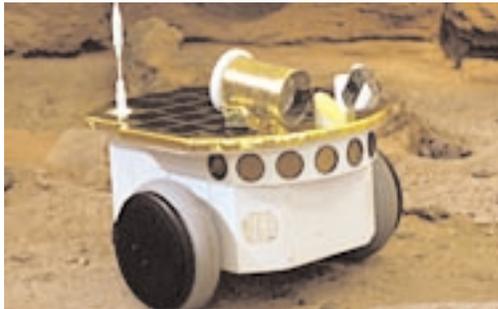
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## DESTINATION: MARS



### Candor Chasma Diorama

Step up to the window and look out on Mars. You'll get an up-close view of Candor Chasma, with 15,000-foot cliffs looming in the distance under a greenish yellow sky. At any moment an astronaut may enter the scene, carrying out research while you ask questions via walkie-talkie.



### Robotic Rover

The objective is set: Maneuver a robotic rover across rocky Martian terrain to achieve its targets. Can you complete the mission? Find out while you learn about the important role robots play in space exploration.



### Experiment Bar

Become a space scientist by performing experiments to learn about Mars. Analyze rocks with a video microscope, hunt for water using radar, and search for signs of life.



### Martian Dust Devil

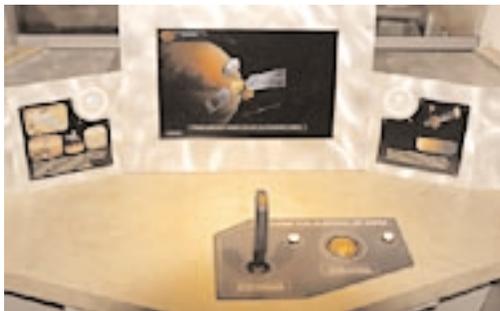
A little wind, a little dust, and you can create a six-foot-tall dust devil, just like those observed on Mars! Compare your simulated dust devil to photographs of Martian "tornadoes," then see how this phenomenon has shaped the surface of Mars.

# Space Odyssey



## Carving Landscapes

Did Mars once have liquid water on its surface? You be the judge. Use water to carve landforms in simulated Martian soil, then see if you can find similar patterns in photos of Mars.



## High-Altitude Probe

Your mission: Search for and analyze key features in the terrain on Mars. Your spacecraft: A digital probe that you pilot over actual images of Mars while photographing the planet's craters, dunes, and channels. Once you've collected the data, report back to Mission Control with your results.

## SPACE FUNDAMENTALS



## Life of a Star

Red dwarf, planetary nebula, black hole—which will it be? Build your own star and find out. Compare your creation to real pictures of similar stars while you watch it cycle from birth to death.



## Orbits Explorer

Orbits are the highways of our solar system. Planets, moons, asteroids, and spacecraft encircle other objects, maintaining their orbital paths due to gravity. Create your own solar system or flight path, and learn how what goes around, comes around.

# Space Odyssey



## **Infrared Experiments**

Seeing is believing, and these experiments will allow you to “see” light outside the visible spectrum. Experience how different surfaces reflect and absorb heat and how scientists use these principles to learn about distant objects in space.



## **Exploring Light**

Enter the light with filters and prisms to investigate spectra. Then discover how scientists use spectra to measure distant objects such as stars and galaxies.



## **Seeing the Sun**

Your mother always told you not to look directly at the Sun. Well, now’s your chance! View up-to-the-moment images of sunspots, coronal mass ejections, and solar wind. You’ll learn the whats, wheres, and whys of our nearest star without even having to put on your sunglasses!



## **InfoLounge**

The InfoLounge offers a quiet space to further explore your space interests. Videos, books, DVDs, magazines, and space artifacts are all on hand for exploration of a multitude of topics.

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## SPACE NEWS



### Space Today

It's time for the nightly news, and we mean nightly news! Join the studio audience as a live anchorperson gives you the latest account of events in space science and astronomy.



### Space Screen

A giant, high-resolution screen will take you into space with images from the Hubble Space Telescope, robotic orbiters and landers, and astronomy observatories. The Space Screen will also bring you major space events broadcast live from NASA.



### Mission Board

Get on board with the latest space missions. Watch as astronauts work in space. Monitor the progress of ongoing missions.

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## HUMAN EXPLORATION



### Shuttle Docking

Docking a space shuttle to the International Space Station requires understanding momentum and inertia in the frictionless environment of space. Learn a few things as you take the controls of a model shuttle and steer it toward its destination.



### Living in Space

What is it like to live and work in space? Two astronauts welcome you to their space station laboratory so you can find out firsthand. After the show, you'll get to try on space gloves and inspect other astronaut tools.



### AstroTot Training

Young *Space Odyssey* visitors can imagine they're astronauts with kid-size space suits, a mock shuttle cockpit, and a Moon crater. There are lots of gadgets and games to try out in this special area just for younger kids!



### Museum Galaxy Guides

Museum Galaxy Guides are your hosts to the universe, bringing the human touch to space. Join them as they demonstrate zero gravity, broadcast the most current space news, share folktales about the night sky, read your astronomical "fortune," and much more!