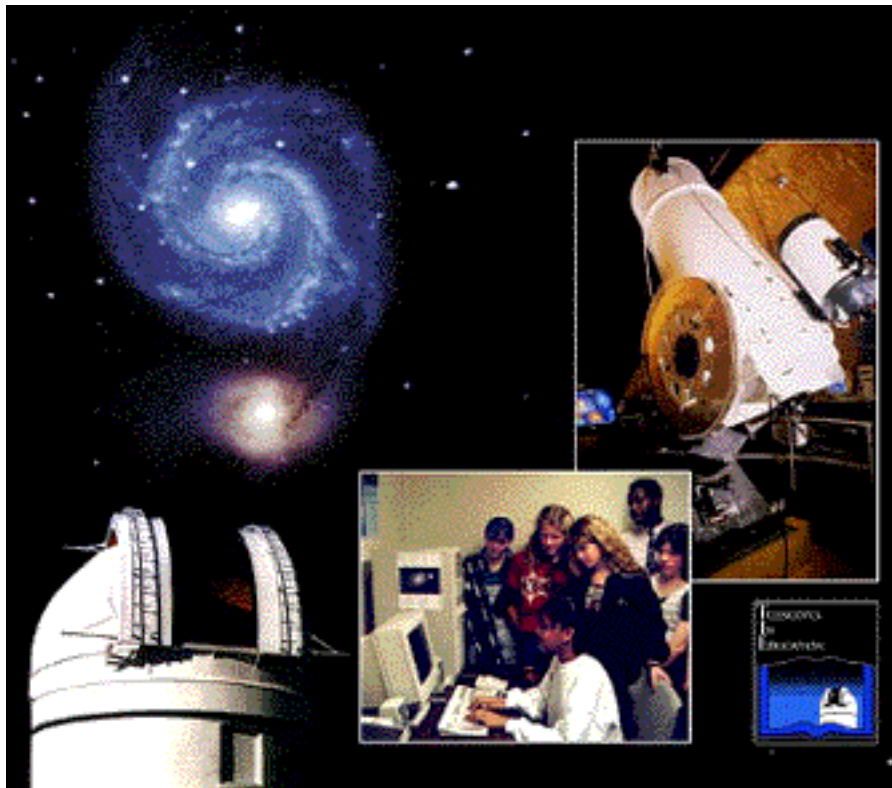


# Space Odyssey Online Teacher's Guide

## Plan Your Own Field Trip

Previsit Activity for Solar System



courtesy NASA/TIE

**Grades 4-8**  
**CDE Standards**  
Science: 1-6  
Language Arts: 1,2,4,5

## **Plan Your Own Field Trip Previsit Activity for “Solar System Pathway”**

**Grades 4–8**

### **CDE Standards**

Science: 1-6

Language Arts: 1,2,4,5

### **Preparation and Materials**

**Estimated Preparation Time:** 10 minutes

**Estimated Activity Time:** 45 minutes

### **Materials**

Paper

Pencils

*Space Odyssey* map

What’s in *Space Odyssey* document

Museum map (optional)

### **Learning Goals/Objectives**

Students will

- Identify *Space Odyssey* exhibits with a solar system theme
- Justify their exhibit choices with appropriate scientific data

### **Connections to *Space Odyssey***

Students will use a map of *Space Odyssey* and description of the exhibits within the space to design a field trip related to the study of the solar system. Students can utilize any of the exhibits within *Space Odyssey* as long as they can justify a connection to the solar system.

### **Advanced Preparation**

1. Make copies of the *Space Odyssey* map (available on the resources page of the online teacher’s guide) for each student in your class.
2. Make copies of the *What’s in Space Odyssey* document (available on the resources page of the online teacher’s guide) for each student in your class.

### **Classroom Activity**

1. Discuss with students all of the various components of the solar system including moons, planets, the Sun, asteroids, meteorites, comets, etc. Have students take notes to keep track of information within your unit of study.
2. Provide students with copies of the *Space Odyssey* map and *What's in Space Odyssey* document.
3. Instruct students that they will be planning a field trip to *Space Odyssey* that will focus on their knowledge of the solar system. Tell students they will need to choose exhibits within the space that relate to the study of the solar system and justify their choices based on scientific data. Students can also include Museum classroom programs, outreach programs, Planetarium shows, and IMAX, if applicable.
4. Allow students to work alone or in teams to plan their field trip.
5. Have students meet in small groups to present their field trip plans.

### **Variations/Extensions**

Take a field trip to *Space Odyssey*. Allow students to use their plans during their visit. Ask students to document whether or not their plans fit their study of the solar system.

### **Resources**

#### **Books**

Bennett, Jeffrey, Donahue, Megan, Schneider, Nicholas, and Voit, Mark. *The Cosmic Perspective*. San Francisco, CA: Addison Wesley, 2002.

#### **Web sites**

<http://www.dmns.org/>

<http://www.enchantedlearning.com/subjects/astronomy/>

<http://sse.jpl.nasa.gov/index.cfm>

<http://seds.lpl.arizona.edu/nineplanets/nineplanets/nineplanets.html>

[http://www.kidsastronomy.com/solar\\_system.htm](http://www.kidsastronomy.com/solar_system.htm)