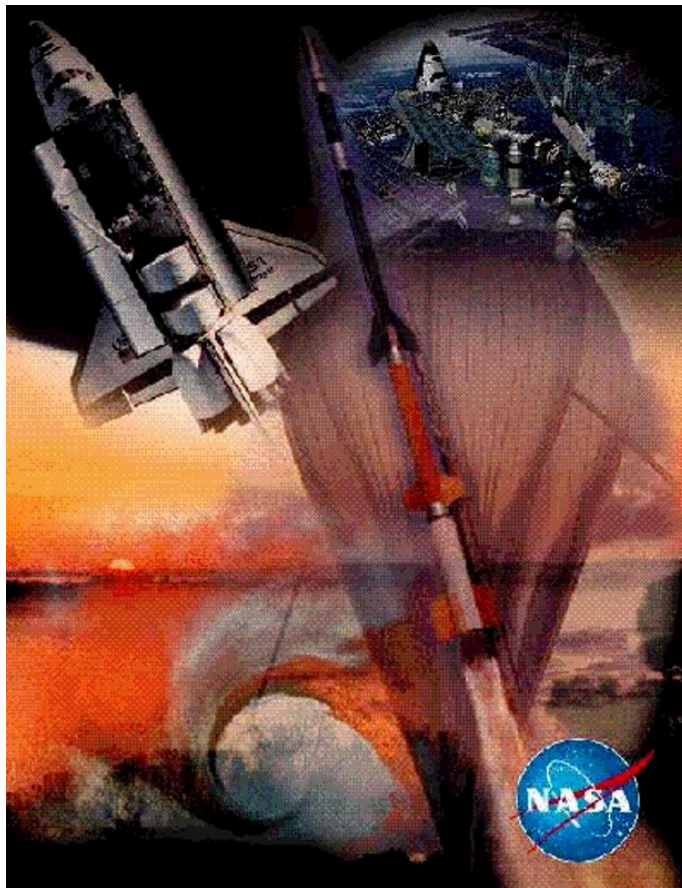


Space Odyssey Online Teacher's Guide

Space Exploration Tic-Tac-Toe

Postvisit Activity for Space Exploration



Courtesy NASA/WFF

Grades K-3

CDE Standards

Science: 1,4,4,5,6

Language Arts: 1,2,4,5,6

Preparation and Materials

Estimated Preparation Time: 30 minutes

Estimated Activity Time: Three or more time periods of 30 minutes each

Materials

Paper

Pencils

Colored pencils, crayons, markers

Miscellaneous art supplies (for building space station models)

Construction paper or card stock (for making puzzles)

Poster board (for game boards)

Puppets or materials to make puppets

Puppet stage (optional)

Learning Goals/Objectives

Students will analyze and synthesize information learned in a unit on space exploration to complete three activities about the exploration of space.

Connection to *Space Odyssey*

Space Odyssey was designed with space exploration at its heart. Students completing this activity can use aspects of literally every experience within *Space Odyssey* to further develop their understanding of the past, present, and future of space exploration.

Advanced Preparation

1. Make a copy of the tic-tac-toe activity sheet for each student in your class.

Classroom Activity

1. This activity is designed to differentiate for the needs and learning styles of the students in your classroom.
2. After completing a unit on space exploration, hand out a copy of the tic-tac-toe sheet to each of your students.
3. Briefly discuss each activity on the tic-tac-toe grid to give students any information they might need to complete their three activities.
4. Tell students they will choose three activities from the grid to complete a row. Students are allowed to choose any of the activities from the grid, as long as they lie in a straight line. (This is a

- preference only. You may opt to have students choose any of the activities from the playing board.)
5. Give the students the time they'll need to complete the three activities.

Variations/Extensions

1. Have a "Space Exploration Day" to allow students to share their projects with classmates.
2. Host a "Space Night" open house so parents and families can come see student projects. You may choose to host this night in conjunction with a Museum Star Party for extra space-exploration opportunities.

Name _____

Instructions: Choose a path on the game board and complete three activities to make a tic-tac-toe. Your activities must lie in a straight line on the board.

<p>1. Choose one space mission and draw a picture to illustrate an important event that happened during the mission. Write a sentence or short paragraph about the mission.</p>	<p>2. Build a model of a space station. Include the important modules that astronauts need to live in space. Use any kind of materials you wish!</p>	<p>3. Write a song or poem about living in space or exploring space. Teach the song to your teacher and friends.</p>
<p>4. Make a time line for three future space missions. Research the missions using the Internet.</p>	<p>5. Pretend you are an astronaut in space. Write a journal about what a day in space is like. Draw pictures to illustrate your journal if you wish.</p>	<p>6. Imagine you are going to space and can take only three plants with you. Draw a picture of those plants and write about why you would choose to take those plants with you into space.</p>
<p>7. Make up a game to help you learn about different space missions. Your game should include at least ten questions and the rules for playing.</p>	<p>8. Work with a few of your classmates to act out a play or puppet show about living in space. Write a script and turn it in to your teacher. Create props to support your script.</p>	<p>9. Create a jigsaw puzzle or matching activity using pictures of space vehicles or satellites. Give your puzzle to a friend to put back together. Make your puzzle more challenging by mixing up pieces from two different missions.</p>

Activities chosen: _____