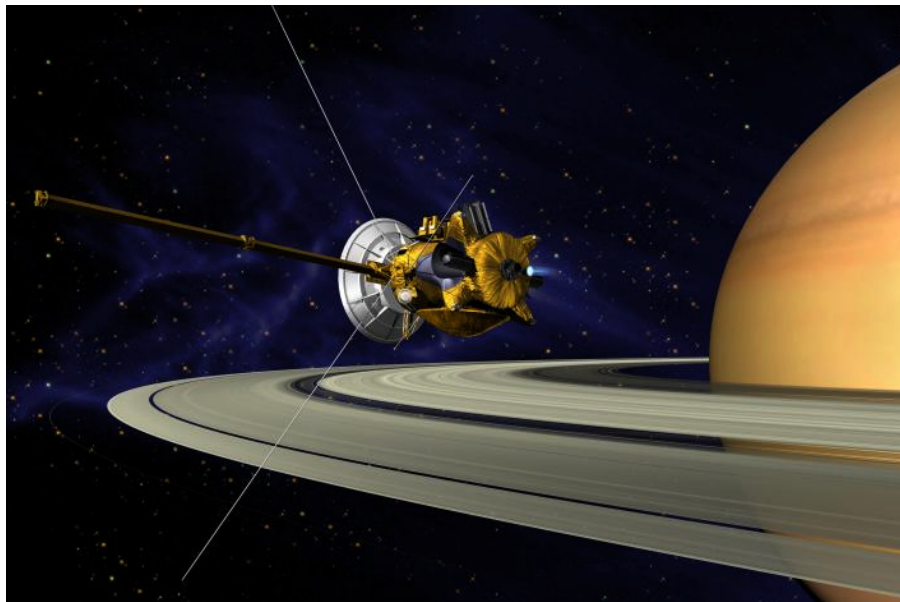


## Space Odyssey Online Teacher's Guide

# Current Events In Space Tic-Tac-Toe

Postvisit Activity for Current Events in Space



Courtesy NASA / JPL

**Grades 9-12**  
**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, or markers

## **Learning Goals/Objectives**

Students will analyze and synthesize information learned in a unit on current events in space to complete three activities related to the unit.

## **Connection to *Space Odyssey***

*Space Odyssey* is committed to providing visitors with the most up-to-date information about space. This activity allows students to use the information learned in almost every *Space Odyssey* experience and apply it toward learning about current events in space.

## **Advanced Preparation**

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 and current events in space, 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.) Give the students the time they'll need to complete the three activities. Allow students time to share their completed projects with classmates.

## **Variations/Extensions**

## Resources

<http://www.nasa.gov/missions/highlights/index.html>

<http://www.spaceref.com/>

<http://www.hubblesite.org/newscenter/>

<http://www.nasa.gov/news/highlights/index.html>

<http://www.jpl.nasa.gov/news/>

<http://www.spaceflightnow.com>

<http://www.space.com>

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 a news story from your Current Events bulletin board. Research the article in greater length and rewrite the article with more information gathered from several sources.</p>	<p>2. Complete some Internet research about an exciting current event in space. Create a NOVA-type documentary script to report about this event. Prepare your show and present it to your class.</p>	<p>3. Write a song, rap, or poem about current space events. Teach the song to a younger group of students and videotape their presentation to share with your class.</p>
<p>4. Create a scrapbook of new space images you find on the Internet or in astronomy magazines. Write an original caption to go with each image you find.</p>	<p>5. Keep a journal of new space stories you find on the Internet. Next to each story, write a personal comment explaining why you chose to include each story in your journal.</p>	<p>6. Choose a star or planet to track for one month. Observe the star or planet at the same time each night and track how its position changes over the month. Quantitatively describe the motions you observe.</p>
<p>7. Create a PowerPoint presentation of two current and two future missions into space. Use the NASA Web site to find out about these missions. Present your PowerPoint to your class. <a href="http://www.nasa.gov/missions/highlights/index.html">http://www.nasa.gov/missions/highlights/index.html</a></p>	<p>8. Work with a partner. Pretend that one of you is a space scientist and the other is a news anchor interviewing the scientist about a current event in space. Act out your interview in front of your classmates.</p>	<p>9. Complete some research to prove how our knowledge of space events changes over time. Work with a partner and present your research as a debate between two opposing sides.</p>

Activities chosen: \_\_\_\_\_

