

Voyage to the Moon

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Audience

- Mrs. Caruso's 4th grade classroom at Magruder Elementary School
- Inclusive classroom
- The students had been learning about the phases of the moon and other aspects of outer space.

Objectives/Goals

This lesson correlates with the Science SOL objective 4.07:

The student will investigate and understand the relationships among the Earth, moon and sun. Key concepts included historical contributions in understanding the Earth-moon-sun system.

1. Before viewing the video, "Voyage to the Moon", students will brainstorm ideas about previous knowledge of space and the moon.
2. During the video, students will answer questions on a worksheet with 90% accuracy.
3. Following the video, students will participate in a discussion about question #14 on the worksheet. Each student will contribute at least one opinion to the discussion.

Materials

- Computer w/ Internet access
- Voyage to the Moon Video Question sheet
- Website address:
<http://whro.unitedstreaming.com>
- Power Point Presentation

Example Video Questions

- What does NASA stand for?
- Which president decided that we should land on the moon before 1970?
- Instead of revolving around the sun, what does the moon revolve around ?
- Why do we only see one side of the moon ?
- Who said the famous quote, "One small step for man, one giant leap for mankind." True or False: Pluto was the first place in space that humans visited.
- What is something that we have been able to do in space since our voyage to the moon?

Lesson Description

- Have a discussion about what students already know about space and the moon and write their responses on the dry erase board
- Hand out the activity sheet and read over all the questions with the students to make sure they understand them. Tell students they must pay close attention during the video because the answers to the questions are presented quickly.
- Show the video, stopping it after each section to review what was said in each short clip (the video is divided into 4 clips).

Lesson Description cont...

- After the video, go over the answers with the students. Have a student volunteer to read the question and the answer to each one. Write the answers on the dry erase board for the students to see.
- Discuss question #14 as a class. Make sure each student contributes their opinion.
- Ask students if they have any other questions about the moon or space travel.

Evaluation

- Formative: participation in the discussions
- Summative: score on activity sheet

✓+	✓	✓-
11-13 questions answered correctly (90% accuracy)	7-10 questions answered correctly (75% accuracy)	0-6 questions answered correctly (50% accuracy)

Name Elliot

Voyage to the Moon Video Questions

1. What does NASA stand for? ~~National Air Station~~
National Aeronautics and Space Administration
2. What year was NASA formed?
1958
3. Which president decided that we should land on the moon before 1970?
President ~~Clinton~~ Kennedy
4. Instead of revolving around the sun, what does the moon revolve around?
Earth
5. Why do we only see one side of the moon?
The clouds are blocking
6. Why are there different phases of the moon? (Why does the moon appear to go from small to big?)
The moon keeps on revolving. It is red.
7. What was the first mission to the moon voyage?
1958
from earth
8. What did they call the landing zone?
~~Eagle~~ Sea-clan
9. Who climbed into the Eagle Lunar Module?
~~Neil Armstrong~~ Neil Armstrong
10. Who said the famous quote, "One small step for man; one giant leap for mankind?"
Neil Armstrong
11. How long was the Eagle on the moon's surface?
2 1/2 hours
12. True or False: There were six more missions to the moon after the Apollo 11 voyage?
True
13. True or False: Pluto was the first place in space that humans visited?
* False
14. What is something that we have been able to do in space since our voyage to the moon?
Viking landing on the moon

Just one little problem we had....

We were unable to access our PowerPoint from Jen's email account on the web because of the firewalls the school has.

However.....

The lesson went really well and the students seemed really excited to have us there.