

Apollo: to the Moon

A.D. Players

Grades: K-5

ABOUT THE PERFORMANCE

Apollo to the Moon is an exciting look at the breathtaking risks and unforgettable heroism of the American Space program. Told through the lens of one young man's dream to become an astronaut, this thrilling story takes students on the journey that gripped the nation.

TEKS (Texas Essential Knowledge and Skills):

	Music	Science	Lang. Arts	Math	Social Studies	The Students Will: * Demonstrate musical artistry by singing songs in groups and moving to the music. * Demonstrate appropriate concert etiquette during live performances. * Identify, discuss, and investigate sound energy. * Write stories and poems that express their ideas and feelings about real or imagined people, events, and ideas. * Collect, organize, record and display data in charts and bar graphs. * Identify the accomplishments of notable individuals in the field of science.
K	K.2, K.4	K.5	K.14	K.8	K.11	
1	1.3, 1.6	1.6	1.18	1.8	1.15	
2	2.3, 2.6	2.6	2.18	2.10	2.15	
3	3.3, 3.6	3.6	3.18	3.13	3.15, 3.16	
4	4.3, 4.6	4.6	4.16	4.13	4.2	
5	5.3, 5.6	5.6	5.16	5.13	5.21, 5.23	

STAAR (State of Texas Assessments of Academic Readiness):

Writing	Grade 4	Reporting Category 1	The Students Will: * Demonstrate an ability to compose a variety of written texts with a clear, central idea; coherent organization; sufficient development; and effective use of language and conventions. * Demonstrate an understanding of force, motion, and energy and their relationships.
Science	Grade 5	Reporting Category 2	

Academic Vocabulary:

The Cold War	* Period of conflict between the U.S. and Soviet Union from the mid-1940s until the early 1990s
Dwight David Eisenhower	* 34th president of the U.S. (1953-1961), established NASA
John F. Kennedy	* 35th president of the U.S. (1961-1963), eager for the U.S. to lead the way in space race
Lyndon Baines Johnson	* 36th president of the U.S. (1963-1969)
NASA	* National Aeronautics and Space Administration, established by President Eisenhower in 1958
Sputnik	* First artificial satellites in space, launched by the Russian space program
Werner Von Braun	* German scientist who served as director of NASA's Marshall Space Flight Center and the

	chief architect of the Saturn V launch vehicle, the Superbooster, that propelled the Apollo spacecraft to the Moon
James Webb	* Second administrator of NASA from 1961-1968
Gus Grissom	* U.S. astronaut who died in Apollo 1 test run on January 27, 1967
Neil Armstrong	* The first human to set foot on the Moon, July 20, 1969.
Sally Ride	* On June 18, 1983 she became the first American woman in space as a crewmember on Space Shuttle Challenger
Guion S. Bluford, Jr.	* First African American astronaut in space on flight STS-8 which also was the first night launch and night landing
Valentina Tereshkova	* Russian astronaut who became the first woman in space

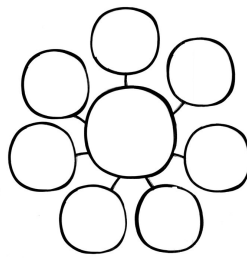
CLASSROOM CONNECTIONS:

Before the performance

- What is a goal/dream that you have set for yourself? How much would you risk to achieve your goal/dream?
- Would you put your life at risk for something that could benefit others?

After the performance:

- Write, draw, tell, sing, dance, or act out your favorite part of the presentation.
- What did you learn about the Space Race? Make a conceptual web.



Language Arts:

- Read more about the moon or space travel, including myths about the moon, such as in the books, *La noche que se cayo la luna (The Night the Moon Fell)* by Pat Mora and *Moon Rope/Un lazo a la luna*, a bilingual book, by Lois Ehlert.
- Write an original poem or story about going to the moon. Use sensory words about what you would see, hear, taste, smell, feel and touch.

- Write a list of words that rhyme with “moon” and create a nonsense rhyming poem. Ideas: moon, balloon, cartoon, cocoon, croon, dune, June, loon, noon, prune, raccoon, soon, spoon, tune, etc.

Math:

- Write an original math problem, using ideas from the performance.
- Estimate, then look up, how far the Earth is from the Moon. Do the same for other planets in this solar system.
- Older students: Estimate, then calculate how much you would weigh on the moon, where the gravity is weaker. (Multiply your weight by 16.5%.

Social Studies:

- Discuss the historical period described as the Cold War. How does the space race reflect this time in American/Russian relations? What is the relationship like now?
- Research and write about an astronaut, such as John Glenn.

Science:

- Define the role of satellites, unmanned space flights, early rockets and the lunar landing module in the race for space.
- Study the physical properties of the moon, its surface and atmosphere.

Resources:

Apollo 11 Timeline and Historical Comparisons

<http://www.usmint.gov/kids/teachers/lessonPlans/wjns/2006/04-monticello.pdf>

Compare and Contrast the Moon and the Earth

http://eduref.ort/cgi-bin/printlessons.cgiVirtual/Lessons/Science/Space_Sciences/SPA0005.html



Pictures of the Moon

<http://www.moon-phases.com/moon-pictures/pictures.html>

http://spaceplace.nasa.gov/en/educators/teachers_moon_images.shtml

<http://www.panoramas.dk/moon/mission-apollo.html>

Moon Animations, Statistics, and Views

<http://www.sites4teachers.com/links/redirect.php?url=http://www.enchantedlearning.com/subjects/astronomy/moon/Moonweblinks.shtml>

Space Race

<http://www.nasm.si.edu/exhibitions/gal114/index.htm>

ABOUT THE ARTIST:

A.D. Players is a professional resident theater company founded in 1967 by actress and playwright Jeanette Clift George. The Company recently moved to a new performance home, the 440 seat Jeannette and L.M. George Theater at 5420 Westheimer Road in Houston, TX. The Players pioneered a unique style of theater committed to producing plays and programs that uphold human value, offer creativity, and promote literacy and education. Annually, the company produces six Main Stage shows and four Children's Theater performances, fields a National Touring Unit, and maintains a year-round Theater Arts Academy. A. D. Players is a 501 (c)(3) nonprofit organization. We share our mission with volunteers, community associates, and those who make our work possible through their support.