

Program Name: The Milky Way, Moon, and Meteorites

Artist: Dino O'Dell

### Special Requirements:

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Open performance space, stage or gym floor preferred; electrical outlet nearby; 20 minutes needed for set-up

### Special Points of Interest:

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Before “becoming” Dino O’Dell, Kevin Dolan was a preschool music and language arts teacher

### Performance Description

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This dynamic performance focuses on outer space science. The students learn about Earth, Earth's atmosphere, our solar system, the planets, friction, the greenhouse effect and the difference between meteors, meteorites, and meteoroids. Students also learn about stars, shooting stars, planets that look like stars, the moon, and historical figures from space history like Yuri Gagarin, Neil Armstrong and Sally Ride.



### Educational Objectives & Standards

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#### Students will:

- Practice being a good audience member and build listening skills.
- Experience rhythm and melody.
- Understand the difference between meteoroids, meteors and meteorites.

#### Standards addressed:

- Music: introduces that music is a collaborative effort.
- Science: planets, moons, friction, green house effect, atmospheric temperature.

## Artist Bio: Dino O'Dell

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Kevin Dolan has worked as a professional actor on stage and TV. As a musician he has worked professionally in reggae, punk, folk, rock 'n' roll and Dixieland bands. Kevin is a former preschool and elementary music and drama teacher. Now, he travels the country as Dino O'Dell, performing children's music shows and

assemblies with his band the T-Rex All-Stars. His assemblies and workshops focus on learning by engaging intrinsic motivators. Dino has performed at the White House and he has produced three award winning children's CDs. Check out [www.DinoODell.com](http://www.DinoODell.com) for more information.

## Vocabulary

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### List of Resources:

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#### Books:

"You Wouldn't Want to Be on Apollo 13!" by Ian Graham, Illustrated by David Antram

#### Online Resources:

<http://climatekids.nasa.gov/greenhouse-effect>

<http://www.sciencekids.co.nz/sciencefacts/space/meteoroids.html>

**Meteoroids:** A small rock flying through space outside of a planet's atmosphere.

**Meteors:** A small rock flying in Earth's atmosphere.

**Meteorites:** Asteroids or meteoroids that have landed on Earth's surface.

**Friction:** Friction is what happens when any two things rub against each other.

**Atmosphere:** The layer of gases that surround a planet.

**Greenhouse Effect:** An atmosphere hold (reflects) heat (thermal

radiation) close to the planet.

**Solar System:** Our sun and everything that revolves around it which includes the planets and the asteroids.

**SETI:** Search for Extra Terrestrial Intelligence is an organization that is involved in searching for life away from Earth. So far, no Earthlings have found life outside of Earth.

**Scientific Method:** Is a 6 step process of observation, research, hypothesis, testing, results and analysis that allows scientists to understand the universe.

## Post-Performance Activities

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1. Gather the students in a circle and begin by saying "I'm going to outer space. And I'm going to take a..." and then choose something that starts with the first letter of your name. Turn to the first student and say "would you like to go to outer space?". The student should reply "yes" and then you ask "and what would you like to bring?", keep the game traveling around the circle with each student adding an item.
2. Let each student create their own alien from another planet. Have each one come up with a name, then ask them to come to the front and the teacher interviews them about their alien. Ex. "What is the name of your planet?", "What is your favorite food?"
3. Have your students write letters to Zar the space alien. Zar enjoys hanging around his spaceship reading letters from Earthlings.

Contact KCYA for more information about this and other programs

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