NEW! Planetarium/Star Show:

WSKY: Radio Station of the Stars

Description:
Radio Station of the Stars is geared for Grades 4-7, but format and content has appeal for all ages. More than just a visit to the planetarium, WSKY is a dynamic experience hosted by a pair of fictional DJ's on a Top 40 radio station. The show includes original hit singles, call-in segments with Doctor Cosmos, interplanetary weather reports, solar system traffic reports, cosmic news and much more! This dynamic presentation will be an instant hit with your students. It features high energy songs, animation, immersive Digistar effects and lasers.

The show includes a live customized Digistar tour of the current evening sky and basic astronomy lessons.

Basic Information:
- Age Level: Grades 4th – 7th (K-12th standards covered also)
- Maximum participants per session: 210
- Location: Planetarium Theater
- Running time: 35 minutes (add 20 min. for Star Walk)

Key Concepts Covered:
- Planets of our solar system (briefly mentioning other planetary systems)
- Galaxies
- Cosmic Impacts
- Conservationism
Cosmological theories of the Universe -- origin and ultimate fate
Planetary atmospheres and weather

Sunshine State Standards:
Kindergarten:
Big Idea #5 - The Earth in Space and Time
• K.E.5.2 Recognize the repeating patterns of day & night.
• K.E.5.3 Recognize that the Sun is only visible in the daytime.
• K.E.5.6 Note that some things are far away and others are nearby as seen from Earth.

1st Grade:
Big Idea #5 - The Earth in Space and Time
• 1.E.5.1 Explain that there are many more stars in the sky than can be counted & they're not evenly scattered in the sky.
• 1.E.5.4 Identify harmful & beneficial properties of the Sun.

Big Idea #6 – Earth Structures
• 1.E.6.1 Recognize that water, rocks, soil & living organisms are found on Earth’s surface.

3rd Grade:
Big Idea #5 - The Earth in Space and Time
• 3.E.5.1 Stars have different sizes and brightness; all stars (except the Sun) are so distant that they look like points.
• 3.E.5.2 Explain that our Sun is a star that emits light energy.
• 3.E.5.4 Demonstrate that gravity is a force that can be overcome.

Big Idea #10 – Forms of Energy
• 3.P.10.1 Identify some basic forms of energy such as light, heat, sound electrical and mechanical.
• 3.P.10.4 Demonstrate that light can be reflected, refracted and absorbed.

Big Idea #11 – Energy Transfer and Transformations
• 3.P.11.1 Investigate, observe and explain that things that give off light also give off heat.

4th Grade:
Big Idea #5 - The Earth in Space and Time
• 4.E.5.2 Monthly change in the shape of the Moon.
• 4.E.5.3 Daily rotation of Earth about its axis; yearly revolution of Earth around the Sun.

Big Idea #10 – Forms of Energy
• 4.P.10.1 Observe & describe some basic forms of energy including light, heat sound, electrical and energy of motion.

5th Grade:
Big Idea #5 - The Earth in Space and Time
• 5.E.5.1 Recognize that a galaxy consists of gas, dust & many stars; include objects orbiting stars. Identify Milky Way galaxy as our home.
- 5.E.5.2 Major common characteristics of all planets. Compare & contrast properties of inner & outer planets.
- 5.E.5.3 Identify solar system objects: Sun, planets, moons, asteroids & comets. Identify Earth's place in the Solar System.

**Big Idea #8 – Properties of Matter**
- 5.P.8.4 Explore the scientific theory of atoms by noting that all matter is composed of parts too small to be seen without magnification.

**Big Idea #10 – Forms of Energy**
- 5.P.10.1 Investigate & describe some basic forms of energy including light, heat sound, electrical, chemical and mechanical.

7th Grade:
**Big Idea #10 – Forms of Energy**
- 7.P.10.1 Illustrate that solar radiation contains many wavelengths including infrared, visible and ultraviolet and that white light is composed of many colors.

8th Grade:
**Big Idea #5 - The Earth in Space and Time**
- 8.E.5.1 Recognize the huge distances between objects in space; relate these distances to our knowledge of light & space travel.
- 8.E.5.2 The Universe has billions of galaxies, each containing billions of stars.
- 8.E.5.3 Distinguish hierarchical relationships between planets, sun, solar system, galaxy & universe; Include distance, size & composition.
- 8.E.5.4 Law of Universal Gravitation; the role of gravity in the formation of stars & planets and gravity's role in their motions.
- 8.E.5.5 Properties of stars: apparent magnitude, color, temperature, size & luminosity (absolute magnitude).
- 8.E.5.7 Compare properties of Sun, planets & moons to those of Earth such as distance from Sun, speed and temperature.
- 8.E.5.10

9th Grade:
**Big Idea #5 - The Earth in Space and Time**
- 912.E.5.1 Cite the evidence that verifies the Big Bang theory.
- 912.E.5.2 Identify patterns in the organization & distribution of matter in the universe & the forces that determine them.
- 912.E.5.3 Explain how a star's initial mass determines its evolution.