

# Planetarium Student Show: A Tour of Our Solar System (3-5; 6-8)

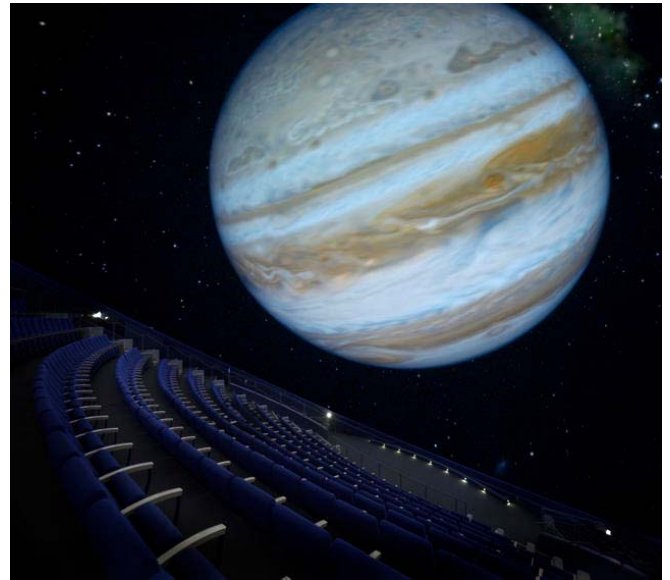
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## Program Summary

The state-of-the-art Morrison Planetarium uses the latest scientific data and visualization techniques to chart your course to the edge of the solar system. The show runs approximately 30 minutes and is presented live by Planetarium staff.

Although the show may be altered due to time, audience, and recent developments in the field of astronomy, the presentation will often touch on the following topics:

- » Definition of our solar system
- » Some common constellations, including the Zodiac
- » Objects in the sky other than stars: meteors, comets
- » Close-up on each of the planets: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune
- » Important regions in our solar system: Asteroid Belt, Kuiper Belt
- » (Grades 3-5) Our planet, Earth, and its peculiar habitability
- » (Grades 6-8) Our planet's position within the Milky Way galaxy
- » (Grades 6-8) Recent discoveries of more than 400 planets orbiting other stars



## Grade 3

**SCIENCE**    **ES 4a, 4c, 4d**

### Earth Sciences

4a. Students know the patterns of stars stay the same, although they appear to move across the sky nightly, and different stars can be seen in different seasons.

4d. Students know that Earth is one of several planets that orbit the Sun and that the Moon orbits Earth.

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## Grade 5

**SCIENCE**    **ES 5b**

### Earth Sciences

5b. Students know the solar system includes the planet Earth, the Moon, the Sun, eight other planets and their satellites, and smaller objects, such as asteroids and comets.

5e. Collect data in an investigation and analyze those data to develop a logical conclusion.

## Grade 8

**SCIENCE**    **ES 4e**

### Earth Sciences

4a. Students know galaxies are clusters of billions of stars and may have different shapes.

4b. Students know that the Sun is one of many stars in the Milky Way galaxy and that stars may differ in size, temperature, and color.

4e. Students know the appearance, general composition, relative position and size, and motion of objects in the solar system, including planets, planetary satellites, comets, and asteroids.