



## Colossal Cosmos 3D

KS2 / KS3 / KS4 / Post 16 / Adult Learners; duration: 30 minutes; presenter-led

Fly through the rings of Saturn, explore constellations, and spot a “shooting star” as we investigate the incredibly large and the impossibly distant.

### Key Words:

Space. Stars. Planets. Galaxies. Earth. Gas Giants. Comets. Meteors.

### Learning objectives. Students will:

Gain an appreciation of the vastness of space.

Learn that stars, planets, and other objects in space are different sizes and different distances away from us.

Learn about famous patterns in the sky, including the Summer Triangle.

Learn that comets are large objects made of rock, dust, and ice that orbit the Sun.

Learn that shooting stars are meteors and that meteors come from the debris left by comets.

Learn that our sun is just one star among billions that make up the Milky Way, and the Milky Way is just one of billions of galaxies in the Universe.

Be inspired by the immersive setting of the Planetarium to continue their learning of astronomy and space.

### Content:

The night sky from Bristol

How to find the Summer Triangle.

A constellation story associated with either Aquila the Eagle, Lyra the Harp, or Cygnus the Swan.

The planet Saturn, including its rings.

Comets and meteor showers.

Fly to the stars of the Summer Triangle: Altair, Vega, Deneb, and discover how far away from Earth they are.

Compare the size of Earth with a comet, Saturn, the Sun, other gigantic stars, and even the Milky Way Galaxy!

### Curriculum Links:

KS3 Space Physics

Our Sun as a star, other stars in our galaxy, other galaxies

The light year as a unit of astronomical distance.

### Potential Hazards and Accessibility

There are no potential hazards associated with this show.

### Related activities

**Exhibits:** Ground floor exhibits under the theme '*Is there another me in the Universe*'.

**Workshops:** Earth, Sun, & Moon, KS2 Destination Space, Atoms to Astrophysics.

**Science Shows:** Launch It!