



Astronomy Day

Daytime activities

Cosmos 6m Digital Planetarium

When: 30 minute sessions throughout the day from 10:30

Booking: Spaces are limited so booking on arrival is essential - on a first come first served basis.

Go on an amazing journey out through the solar system and beyond with [Cosmos Planetarium](#). Highlights include landing on the surface of the moon with the Apollo astronauts, flying through the rings of Saturn and searching for life in vast alien oceans. Shows also include real close-up images of Pluto from NASA's 'New Horizons' mission and a fantastic full-dome short film about the mission.

Outdoor Water Rockets

When: 10:30– 12:30 and 14:00-15:30

Bring your own empty 1 litre lemonade bottle and we'll turn it into a rocket for you which you can launch.

Outdoor solar (sun) observing sessions with ASE

When: 10:30 – 12:30 and 14:00-15:30

Observe the daytime sun through a specially dark filtered solar telescope. (Never directly look at the sun through a telescope or binoculars or even the naked eye as this can cause serious eye damage or blindness!)

Indoor telescope demonstrations and Astrophotography displays

When: All day

Explore the skies with the Astronomical Society of Edinburgh.

Mars Lander Egg Drop

When: 10:30-12:30 and 14:00-16:00

Build your own Mars Lander with [StrathSEDS](#). This activity is designed to simulate a re-entry vehicle entering the Mars atmosphere and carrying out a successful landing. Using a variety of household items such as; straws, paper plates, string, sellotape, construct a device capable of protecting a real egg when dropped from a height.

Meteorites and Mars rock

When: 10:30-12:30 and 14:00-16:00

Get up close to some visitors from space with our real meteorite collection and even a sample of rock from the planet Mars courtesy of the Science and Technology Facilities Council.

Model comet making

When: 10:30, 12:00, 13:30

Watch one of our team simulate making an icy comet from dry ice.

Spherical 3D display systems

All day : 10:30-16:00

A display by [Pufferfish Displays](#) showcasing their innovating work on spherical 3d display systems.

Daytime talks

11:00 and 14:00 Prof. Richard Brown of the [Future Air-Space Transportation Technology](#) at Strathclyde University on 'Shockwaves: the aerodynamic history of manned space flight'.

12:30 and 15:00 Robin Hague of [Celestial Mechanics](#) on rocketry and space flight (aimed at children).

For younger visitors

12:00-15:00 Face Painting on an Astronomical Theme

10:30-12:30 and 13:30-15:30 Children's craft activities

Evening sessions

Stargazing (weather dependent)

When: 17:00-20:00

Enjoy some real stargazing with members of ASE – use their telescopes or or bring your own. This year Cosmos Planetariums are also providing two telescopes, including a 16” scope which offers some really exciting views of the night sky.

Planetarium shows

30 mins sessions 17:00 – 20:00

Cosmos Planetariums will also be running further Planetarium Shows in the evening

Model comet making

When: 18:00 and 19:00

Watch one of our team simulate making an icy comet from dry ice.