STARR'S PLANETARIUM

STAGE 2 PRESENTATION OUTLINE

Each presentation lasts for approx an hour and includes 3 sections.
Presentations can also be tailored to your students level of learning.

Section 1 - Presenter-led

We go on an interactive journey looking at our planet, solar system and galaxy.
The presenter led talk focuses on the rotation of the Earth, night and day, the relationship between the Earth, Moon and Sun. We also look at our place in space, how big the universe is and our place within it.
*Covers Stage 2 syllabus outcomes. Other elements of the Stage 2 syllabus are covered in our 360 movies.

Section 2 - 360° movie

We have a number of choices here. Choose your own or let us decide.

a) 'Tilt' - https://www.planetarium.com.au/tilt

Tilt tells the story of Annie and Max as they work to save the Earth when the seasons start to go crazy. Their journey takes them into space and around the planet as they discover the axis of the Earth and our orbit around the Sun directly impacts the way the world experiences seasons. Tilt also covers seasonal changes and shadows.

*Covers Stage 2 syllabus content - demonstrates that the rotation of the Earth on its axis is the cause of night and day. Describes local seasonal changes that occur as a result of the Earth's movement around the sun and shows the changes in the length and direction of a shadow during the day and year.

b) 'Stories In The Stars' https://www.planetarium.com.au/stories-in-the-stars

European night sky stories are familiar to many people. However the stories indigenous to the southern skies are less well known. Although different Australian Aboriginal groups have different astronomical traditions, there are some broad similarities. Explore Indigenous Australian astronomy, find out how indigenous culture describe constellations that cannot be seen from northern latitudes.
Even constellations that can be seen from Europe appear a different way in the sky in the southern hemisphere.

c) 'Sizing Up Space' https://www.planetarium.com.au/sizing-up-space

How big is the distance between the Earth and the Sun - or between the Sun and the other planets?
Discover the Light Year, the very large 'ruler' that scientists use to measure the size of Space. Be amazed by the ever-increasing distances to the nearest stars, to the edge of the Milky Way and to the farthest galaxies in the Universe.

d) ‘Earth’s Wild Ride’ - https://www.planetarium.com.au/earth-s-wild-ride

Set on the surface of the Moon in the year 2081, the movie opens with a grandfather and his grandchildren gazing out into space. As they watch the Moon's shadow move across Earth, the grandfather tells stories of crashing asteroids, erupting volcanoes, roaring dinosaurs, electrifying lightning and booming thunder. While learning about eclipses, the ice age, Earth's water cycle and differences between the Earth and Moon, the audience is taken on a roller-coaster-like ride through canyons of raging rivers and hot flowing lava.

These 4 movies are our most popular for Stage 2 however we also have a further selection of movies that may be suitable for your students depending on the level of learning.

Section 3 - Presenter-led 360° presentation

'What’s In The Sky'

An interactive 360° look at what is in the sky today. True to life and in real - time. We look at day and night, the motion of celestial objects through the sky, constellations, mythology, the birth and death of stars and then at the end we try to leave enough time for questions.