



## EARTH AND SPACE – STAGE 1

Outcomes	Content	Skyworks Planetarium Content Links
<p>Students describe some observable changes that occur in the sky and landscape ST1-8ES</p>	<p>Observable changes occur in the sky and landscape. (ACSSU019)</p> <p>Students:</p> <ul style="list-style-type: none"> <li>• use a range of methods to describe observable, short-term changes in the sky, eg clouds, the appearance of the stars at night and the position of the sun during the day</li> </ul>	<p>The concept of night and day forms an integral part of the presentation. Students learn through practical demonstrations within the darkened environment of the planetarium dome. Concepts demonstrated include:</p> <ul style="list-style-type: none"> <li>• our daytime star, the Sun, and our place in space.</li> <li>• the effects caused by the rotation of the Earth as well as those observed at night. These changes include the apparent movement of the Sun, stars, visible planets and the Moon if visible.</li> <li>• day and night which can be effectively displayed using a specialised Earth globe as well as an Earth projection that surrounds the students.</li> <li>• the effects that seasonal changes have on the night sky. Differing constellations are shown throughout the various seasons.</li> </ul> <p>Presentations are supplemented with extremely useful resources in the form of blackline masters. They include relevant reference material and practical activities including sundial and star map kits the students can construct.</p>