

# Spaced Out

## Throughlines:

3. There are laws, systems and cycles that govern and help us explain the way the physical and natural environment works
4. Science, technology and our knowledge about the physical world are constantly evolving.

## Victorian Curriculum - Foundation to Level 2

### *Science Understandings*

- Observable changes occur in the sky and landscape; daily and seasonal changes affect everyday life (VCSSU046)

### *Science Inquiry Skills*

- Use informal measurements in the collection and recording of observations (VCSIS052)
- Use a range of methods, including drawings and provided tables, to sort information (VCSIS053)
- Represent and communicate observations and ideas about changes in objects and events in a variety of ways (VCSIS055)

## Understandings:

- The Sun is the centre of our Solar System and it is vital to our existence.
- The Earth is a unique planet
- The movement and tilt of the Earth give us both day and night, and seasons.
- There are other bodies in the Solar System, including asteroids, man-made objects, and constellations, and there are other solar systems in our galaxy.
- The planets orbit around the sun at different rates.
- Our knowledge of space has changed as our technology has advanced
- Man has used the knowledge of the solar system throughout time for many purposes
- Since the beginning of time people have used knowledge of the day and night sky to understand more about their world.
- Technology has contributed significantly to the knowledge we have about our place in space.

## Skills

- **observing**, explaining, inferring, hypothesising, predicting, **measuring**, analysing, **researching**, organising, classifying, interpreting, generalising, communicating, speculating, questioning, **summarising**.