

# The Earth and Beyond Checklist

## Day and Night

Understand why we get day and night

Explain why we need leap years

Explain why we need different time zones across the world

## The Seasons

Explain why there are seasons on the Earth

Describe the difference between the seasons

## The Moon

Describe the moon

Recall how long it takes the moon to orbit the Earth

Understand why the moon seems to change shape throughout the month

Explain why we get solar eclipses

## The Solar System

Recall the names of the planets in order from the Sun

Understand the difference between the orbits of the planets and that they have different lengths of days and years on each planet

Name all the other things that are in the Solar System

*You don't need to know words such as helio-centric or geo-centric.*

## The Stars

Describe a star and a galaxy

Know how scientists find out about stars

Understand the statement that we are all made of stardust (you don't need to know lot of detail about the life cycle of stars)

Explain why the Hubble telescope gets better images than any telescope on Earth