

UKS2 Earth and Space (Year 5)

Prior Learning: Sun is a light source

P.O.S – Earth and Space

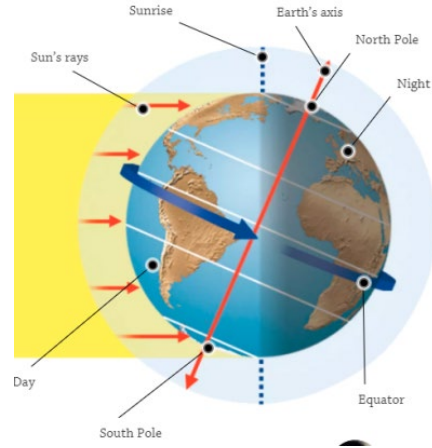
Concept – Physics - forces

Facts
<p>1. Earth:</p> <ul style="list-style-type: none"> a) Earth is a sphere b) Spins on an axis as it travels round the sun c) When one sides faces the sun the other faces space d) The side facing the sun is bathed in light and heat – daytime e) Side facing space, cooler and darker – night f) A day on Earth last 24 hours – how long it takes to orbit the sun g) The Earth’s tilt on its axis is what causes the 4 seasons. Sometimes it points towards the sun and other times it points away from the sun.
<p>2. The solar system:</p> <ul style="list-style-type: none"> a) The sun is a star and it is at the centre of the solar system. b) The sun is 15 million degrees hot at its centre. c) The sun is 1.3 million times bigger than earth. d) Our solar system has 8 planets.
<p>3. Order of planets from the sun:</p> <ul style="list-style-type: none"> a) Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune
<p>4. Moon:</p> <ul style="list-style-type: none"> a) The moon moves around the Earth in an approximately circular orbit b) Going once around the Earth in approximately 27.3 days c) As it orbits the earth its position changes, relative to the stars.
<p>5. Phases of the moon:</p> <ul style="list-style-type: none"> a) Waning means the moon looks like it is getting smaller. b) Waxing means the moon looks like it is getting larger. c) How much of the moon we see, depends on how much sunlight is hitting it. The moon reflects this sunlight.
<p>6. Scientists who have worked on the model of the solar system:</p> <ul style="list-style-type: none"> a) Ptolemy, Alhazen, Copernicus
<p>Websites:</p> <p>https://www.bbc.com/bitesize/topics/zkbbkqt</p>

Vocabulary

1. Orbit - comes from the Latin orbita, “course,” or “track.”

Day and night:



Phases of the moon:

