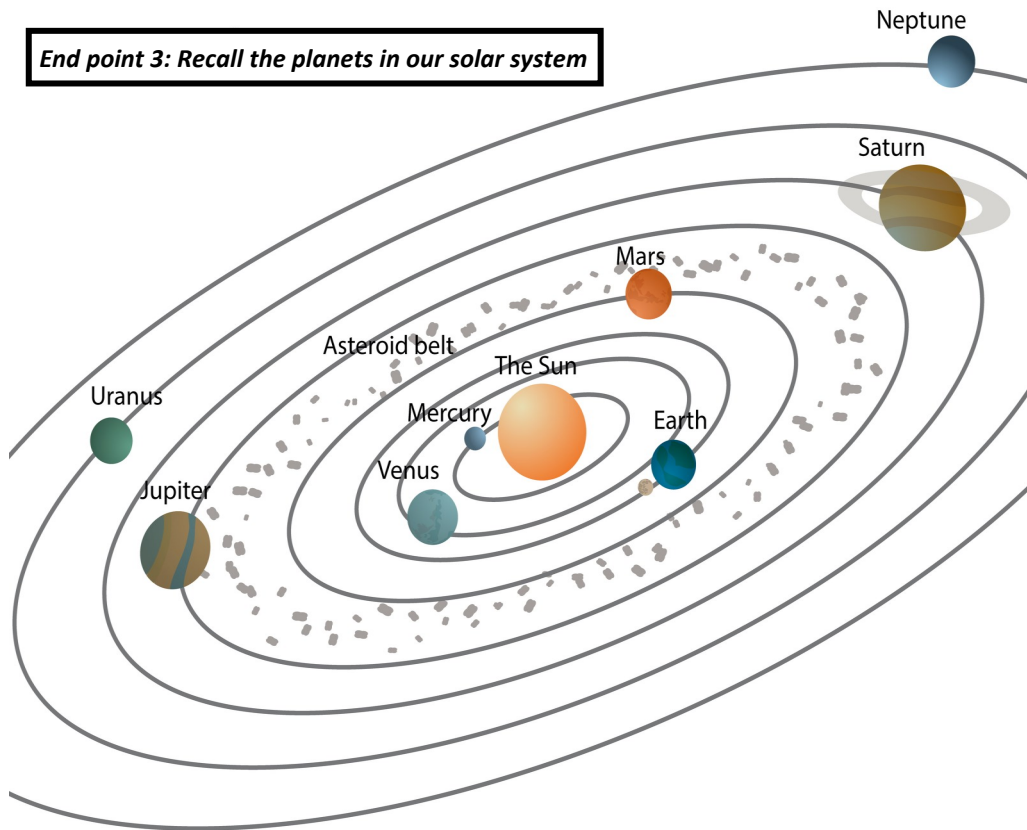
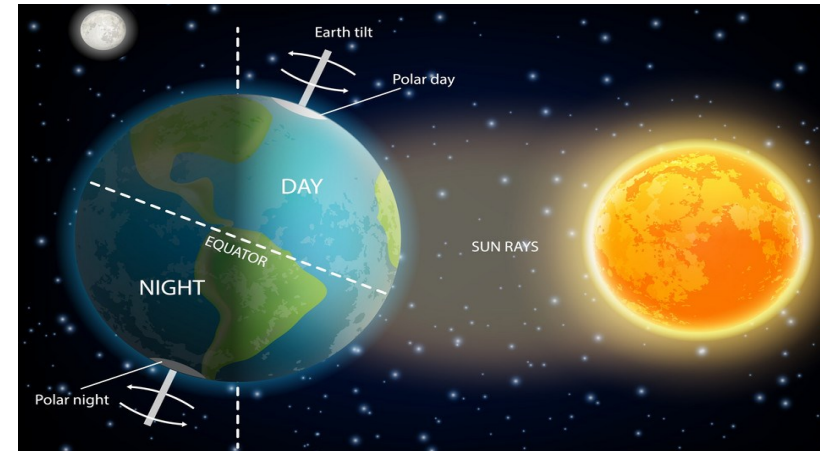


# Space Year 7

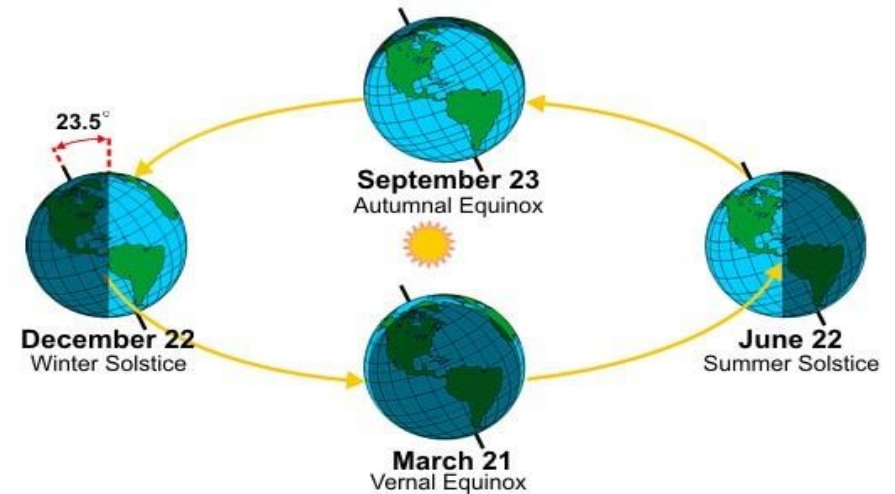
**End point 3: Recall the planets in our solar system**



**End point 5: Explain why the Earth has day and night and seasons**



How we get different seasons:



**End point 1 and 2: Recall the planets in our solar system**

People often confuse mass and weight. Remember that weight is a force that acts upon a mass, and is measured in Newton's, N. Mass is measured in kilograms, kg.

The weight of an object is the gravitational force between the object and the Earth. The weight of an object depends upon its mass and the gravitational field strength.

Gravitational field strength is given the symbol  $g$ . Do not confuse this with  $g$  for grams. You can use this equation to calculate the weight of an object:

$$\text{weight in N} = \text{mass in kg} \times \text{gravitational field strength in N/kg}$$

**End point 4: Describe how stars are used for navigation constellations)**

For centuries people have been using the stars and the patterns they make in the night sky to navigate.

The most commonly used pointer stars are Merak and Dubhe, the two stars on the edge of the Big Dipper opposite its handle. Knowing where these stars are in the sky can tell you where the points of the compass are.