

# Wellesley Park Primary School – Science

**Topic: Earth and Space**

**Year: 5**

**Strand : Physics**

## What should I already Know?

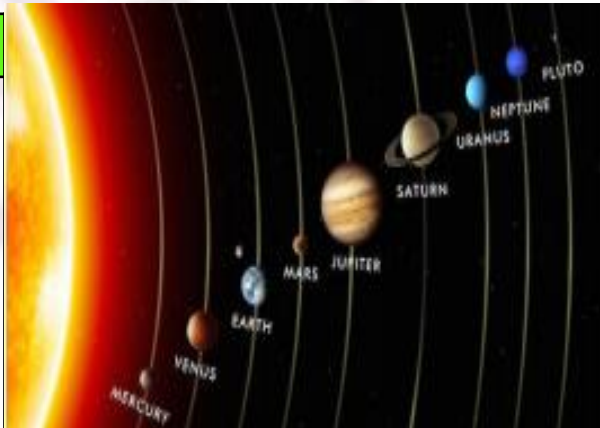
- In **Year 1** children should have observed changes across the four seasons.
- In **Year 1** children should have observed and described weather associated with the seasons and how day and night change.
- In **Year 3** children should have learnt that the sun produces light but that the moon reflects light

## What will I know by the end of the unit?

- I can describe the movement of the Earth, and other planets, relative to the Sun in the solar system
- I can describe the movement of the Moon relative to the Earth
- I can describe the Sun, Earth and Moon as approximately spherical bodies
- I can use the idea of the Earth's rotation to explain day and night, and the apparent movement of the sun across the sky.

## Big Questions

- How many planets are there?**
- Does the sun rise in the morning?**
- What planet is closest to the Earth?**
- What are other planets like and could we live on them?**
- What is the solar system?**



## Vocabulary:

Word	Definition	Image
Asteroid	a rock that orbits the sun in a belt between Mars and Jupiter	
Axis	an imaginary line through the middle of something	
Comet	a bright object with a long tail that travels around the sun	
Galaxy	an extremely large group of stars and planets. our galaxy is called the Milky Way	
Gravity	the force which causes things to drop to the ground	
Leap Year	a year that has 366 days. it occurs every 4 years	February
Meteorite	a rock from outer space that has landed on earth	
Orbit	the curved path in space that is followed by an object going round and round a planet, moon or star	
Planet	a large, round object that moves around a star	
Solar System	the Sun and all planets that go round it	
Spin	turns quickly around a central point	
Star	large ball of burning gas in space	
Time Zones	one of the areas into which the world is divided where time is calculated behind or ahead of GMT (Greenwich Mean Time)	
Universe	the whole of space and all the planets, stars and other forms of matter and energy in it	