

Benjamin Zephaniah Class Autumn Term 1 - Space

The Solar System

Earth's orbit and the seasons

Day and Night

Movement of the Sun

Phases of the Moon

Key Question: How does the movement of the Earth affect days, seasons and the lunar cycle?

I Know:

- I know the order of the planets from the Sun: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune.
- I know orbiting means to circle an object and rotation means to spin on an axis
- I know the 8 planets orbit the Sun on different planes.
- I know the 8 planets orbit the Sun because of its gravitational pull.
- I know the Earth tilts on its axis.
- I know Earth's orbit around the Sun takes $365 \frac{1}{4}$ days.
- I know how the Earth's orbit affects the seasons
- I know that the Sun just appears to be moving across the sky during the day - it is the Earth rotating
- I know the Moon reflects light from the Sun
- I know the phases of the Moon include: New Moon, First Quarter, Full Moon and Third Quarter

My Vocabulary:

The Solar System, the Sun, Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune, gravity, orbits, rotates, planets, planes, tilts, Leap Year, year, Summer, Winter, Northern Hemisphere, Southern Hemisphere, Equator, seasons, day, night, North, East, South, West, sunrise, sunset, the Moon, reflects, phases, New Moon, First Quarter, Full Moon, Third Quarter, movement

I can:

- I can describe objects I am learning about.
- I can describe processes
- I can explain cause and effect
- I can communicate ideas using scientific vocabulary
- I can present information in careful diagrams

