

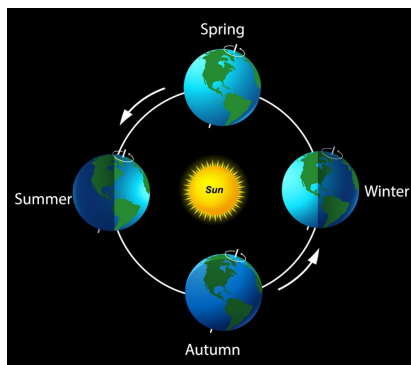


Knowledge Organiser

Science—The Earth and Space Year 5

The Earth in Space

- It takes the Earth 365 and a quarter days to orbit the sun; the length of one year on Earth.
- The extra quarter days get added together to make a leap year once every 4 years.
- The Earth keeps going around The Sun as it is held by it's gravitational pull.
- The Earth spins around on its axis. It takes about 24 hours to do one complete spin, which is how we get day and night.



- The Earth is slightly tilted on its axis, meaning that at different times of the year, some parts are closer to The Sun than others. This gives us our seasons; when the UK is tilted towards The Sun, we get summer and when it is tilted away we get winter.
- The Earth has one moon. Other planets have more and

Our Solar System



Our solar system contains 8 planets which orbit The Sun. There are also thousands of other objects, including satellites, rocks and comets.

We can remember the names of the planets using a rhyme or mnemonic.

Key Vocabulary

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|---------------------|--|
| axis | An imaginary line through the middle of a planet. |
| orbit | The curved path in space that something takes around a planet, moon or star. |
| planet | A large object in space going around a star. |
| star | An enormous burning ball of gas in space. |
| The Sun | The name of the star nearest to Earth. |
| solar system | A number of planets orbiting a star. |
| galaxy | A large collection of stars. |
| year | The time taken for something to orbit a |

What I can do at home

| | |
|--------------------|---|
| Learn | Can you find a way to remember the names of all 8 planets and the order that they are in? |
| Investigate | Find out a little more about another planets or some of the moons. Could humans live anywhere else in our solar system? |
| Explore | We are always finding ways to explore our solar system. The Curiosity Rover is currently exploring Mars. What can you find out about its mission? |

Communicate

Talk to an adult at home about the things below. You don't need to record this.

The universe is enormous, with trillions of stars and even more planets. Could life be out there?
What would aliens look like?
Would aliens be friendly?