## Sir John Offley CE VC Primary School

'With God all things are possible'

## KS2 year 5 earth and space

| Question | Answer |
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| How many and what are the planets are in our solar system? | 8 (Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune). |
| What is a planet? | A spherical body that orbits a star. |
| What is the sun? | The sun is a spherical star (a ball of gas) at the centre of our solar system. |
| What is the moon? | The moon is a sperical piece of rock. |
| How does the planets in our solar system move relative to the <br> Sun? | All of the planets in our solar system move around the sun in circular paths <br> called orbits. The plants are held in their orbits by the gravitational pull of the <br> sun. |
| How long does it take for the earth to orbit the sun? | 365 days. |
| How does the moon move relative to the Earth? | The moon takes 28 days to orbit the Earth. It is held in its orbit by the <br> gravitational pull of the Earth. |
| Why does the moon appear to change shape throughout the month? | As the moon orbits the Earth, different parts of the moon are lit up by the sun. <br> The moon looks bright because it reflects light from the sun. |
| What is the moon orbiting the Earth known as? | Lunar cycle. |
| What causes day and night on Earth? | The Earth rotating every 24 hours on its own axis. The side of the Earth facing <br> the sun will experience daytime, and the side facing away from the sun will <br> experience night-time. |
| Does the sun move across the sky? | No, the Earth moves because Earth is rotating on its axis. |

