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Sticky knowledge mat Science-Space Year 5

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| **Exciting Books** |
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| **Important facts to know by the end of the Earth and space topic** |
| Know that the moon orbits the Earth every 28 days and the Earth orbits the sun every 365 days |
| Describe the Earth and Moon and the sun (including their sizes and the word spherical). |
| Know information about the specific planets. |
| Be able to use the idea of the Earth’s rotation to explain day and night and a rotation takes 24 hours. |
| Know about and explain the movement of the Moon relative to the Earth. |



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| **Subject Specific Vocabulary** | |
| **Orbit** | A repeating path that the same celestial body takes around one another. |
| **Solar system** | Made up of eight planets that orbit the sun. It is also made up of asteroids, moons and comets. |
| **Planet** | There are 8 planets in the solar system- Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune, Pluto. |
| **Rotation** | Rotation is where the shape is turned around the point. |
| **Spherical** | Shaped like a sphere in being round. |
| **Lunar** | Lunar means resembling the moon. |
| **Crescent moon** | Less than half of the moon is lit up. |
| **Gibbous moon** | Three quarters of the moon is lit up. |
| **Eclipse** | When a celestial object is temporarily hidden. |
| **Celestial bodies** | Stars, comets, planets and galaxies. |

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| **Important Bits** |
| The Earth spins on its axis once in 24 hours  -The Earth orbits the sun  -The Moon takes 28 days to orbit the Earth  -The sun does not move  - The Earth, moon and sun are different sizes regardless of how they might appear. |