## Chacewater School – LEAP Into Learning – Spring 2 – Red Oaks SCIENCE: Space and Earth

What I might already know: The sun doesn't move across the sky (year 3 – light) What we will be learning: The Farth takes 24hrs to do a Does the Sun How do the full spin. move across the Earth, Sun and sky? Moon move ? It takes a little more than 365 days for the Earth to make a trip around the Sun. It seems that way, but it is **Earth that** The Moon orbits the Earth. This is moving **Observing Over Time** takes 28 days Why does the Moon appear to **Research** Using change shape? Secondary Resources How have our ideas 2 As the Moon moves, some about the solar Earth rotates (spins) on of the light is blocked system changed its axis whilst orbiting from the Sun by the Flat Earth? the Sun. Day and night Earth. The moon orbits Earth This means we see whilst it spins on its axis. different parts of the Spherical Earth? Moon Light rays These shapes are called the phases of the Moon.

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What I might already know: The sun doesn't move across the sky (year 3 – light) What we will be learning: The Earth takes 24hrs to complete a full Does the Sun The Sun appears to be in constant move across the spin. motion—rising on one side of the sky, How do the Earth, Sun sky? moving across the sky, and setting on and Moon move in It takes a little more than 365 days for the opposite side. This apparent relation to each the Earth to make a complete trip motion across the sky is *due to the* other? around the Sun. rotation of Earth. The Moon orbits the Earth. This takes 28 Day and night Why does the **Observing Over Time** *days* or one lunar month. Moon appear to How have our ideas Earth rotates (spins) on its change shape? about the solar axis whilst orbiting the Sun. **Research** Using Secondary Resources system changed over As the Moon moves, some of The moon *orbits* Earth in an time? the light is *blocked from the* oval-shaped path whilst it Sun by the Earth. This means Flat Earth? spins on its axis. we see different parts of the Moon as it makes its orbit Daytime occurs when around Earth. the side of the *Earth* is facing the Sun. Spherical Earth? The Moon appears to change shape as we see more or less Night occurs when of it. These shapes are called the side of the Earth the phases of the Moon. is facing away from the Sun.