| Uplands Manor Primary School - Science Unit Organiser | | | | |
|--|---|---|--|--|
| Science Topic: Ea | | Earth and Space | Yea | ar 5 |
| What? (Key Vocabulary) | | | What? (Key Knowledge) | |
| Spelling | Definition/Sentence | | The Earth and the Sun | |
| Solar | Relating to the Sun | | IT IS NOT SAFE TO EVER LOOK DIRECTLY AT WARNING THE SUN, EVEN WHEN WEARING | |
| Orbit | The curved path of an object around a star | | | SUNGLAŚSES. |
| Axis | is An imaginary line round which something rotates | | What is the Sun? | The sun is a star at the centre of our solar system |
| Rotating | Rotating Moving in a circle around an axis | | What is the solar | The solar system has eight planets; Mercury, Venus, Earth, Mars, Jupiter. |
| Gravitational | Moving towards a centre of gravity | | system? | Saturn, Uranus and Neptune |
| Diagrams and Symbols | | How is the Earth related to the Sun? | The Earth orbits (goes around) the Sun The Earth takes one year to orbit the Sun | |
| | | The Earth orbiting the Sun, which takes one year The Moon orbiting the | the of the second | creation and pure survey of the survey of th |
| Earth, which | | The Moon and the Earth | | |
| | | takes about 28 days | What is a moon? | A moon is a celestial body that orbits a planet The Earth has one moon; Jupiter has four large moons and numerous small ones |
| Avis DSY | | The Earth spinning on its axis, which | How is the Moon related to the Earth? | The Moon orbits the Earth It takes about 28 days for the Moon to orbit the Earth The Moon is held in its orbit round the Earth by the Earth's gravitational pull |
| Nith | | takes 24 hours | Why does the Moon change shape? | It doesn't It appears to change shape because we cannot always see the side of the Moon that's in sunlight or we can only see part of the sunlit side of the Moon as it orbits Earth |
| A minimum of two experiments should take place during this unit of work with one final written outcome linked to the scientific enquiry skills and approaches used. | | The rotation of the Earth | | |
| | | How else does the Earth move? | The Earth spins on its own axis The Earth takes 24 hours (1 day) to completely rotate on its axis | |
| Using the mo | balls as a model to in ovement of the Earth | s as a model to investigate and describe ment of the Earth in relation to the Sun | | • The Earth spins once in a day |
| invest ??? | Investigate making shadow clocks and sundials Children to question other group's designs based on subject knowledge | | What causes day and night? | The side of the Earth facing the Sun is in daytime The side of the Earth facing away from the Sun is in night time |
| Using time c world | ig secondary resources to establish that the e of day is different in different places in the Id | | What causes Sunrise and Sunset? | The Sun doesn't move - it is us that moves Because the Earth is rotating, the Sun appears to move across the sky as the day goes on |
| Builds on: Learning in Year 5 - Summer 1 - Unit: Forces Learning links Leads to: Leads to: <th< td=""></th<> | | | | |