



Oakfield Primary School - Science - Summer Term

EYFS: Understanding the World

Understanding the world involves guiding children to make sense of their physical world and their community. The frequency and range of children's personal experiences increases their knowledge and sense of the world around them - from visiting parks, libraries and museums to meeting important members of society such as police officers, nurses and firefighters. In addition, listening to a broad selection of stories, non-fiction, rhymes and poems will foster their understanding of our culturally, socially, technologically and ecologically diverse world. As well as building important knowledge, this extends their familiarity with words that support understanding across domains. Enriching and widening children's vocabulary will support later reading comprehension.

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
To know how to identify and name a variety of common animals	To know what a plant needs to grow	To know that we need light to see and that the absence of light is dark	To know that living things can be grouped in a variety of ways	To know the order of the different stages of human development from birth to old age.	To know that living things produce offspring of the same kind but normally offspring vary and are not identical
To know the structure of a variety of common animals	To know that a plant can grow from a seed	To know that light is reflected from surfaces	To know how to use a classification key to help group living things in the local and wider environment	To know how babies and children grow and develop and report relationships between male and female length and mass	To know that animals and plants are adapted to suit their environment
To know a variety of common mammals that are carnivores, omnivores and herbivores	To know that a plant can grow from a bulb	To know that light from the sun can be dangerous and know the ways to protect their eyes	To know how to use a classification key to group a range of vertebrates and invertebrates	To understand the changes humans experience during puberty	To know that animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution
To know the basic parts of the human body	To know that different plants grow in different conditions/environments	To know that shadows are formed with the light from a light source is blocked	To know how a change in their environment can pose a danger to living things	To know how the gestation periods of humans and other animals compare and present findings from the enquiry	To know that living things have changed over time
To know which parts of the body are associated with each sense		To understand patterns in the way that the size of shadows can change	To know about the changes and dangers in the local habitat	To know the size and	To know that living things have changed over time and that fossils
To know the basic structure of a variety of common flowering plants including trees					



<p>To know a variety of common wild and garden plants including deciduous and evergreen</p> <p>To know a variety of common trees in the locality</p> <p>To know and compare the structures of a variety of plants</p> <p>To know how observe and describe the weather associated with summer</p> <p>To know how the environment changes from spring into summer</p> <p>To know what clothing is suitable for summer compared with other seasons</p>			<p>To know the difference between a solid, liquid and gas and sort substances into these three groups</p> <p>To know that some materials change state when heated or cooled</p> <p>To know how to set up a practical enquiry to investigate the change of state experience during evaporation</p> <p>To know how water can change state into a solid, liquid or a gas when heated or cooled</p> <p>To know the part played by evaporation and condensation in the water cycle</p>	<p>shape of the Earth, Sun and Moon as approximately spherical bodies</p> <p>To know the order of the planets in relation to the Sun as a star in the centre of our solar system.</p> <p>To know how night and day are related to the Earth's rotation and how this appears as the movement of the sun across the sky but is actually determined by the Earth's facing in relation to the sun,</p> <p>To know how the Moon orbits the Earth</p> <p>To know how the Earth, and other planets, orbit the Sun</p> <p>To know how to plan and record a scientific enquiry</p>	<p>provide information about living things that inhabited the earth millions of years ago</p>
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