Mayfield Primary School Curriculum Documents

SCIENCE OVERVIEW	Autumn	Spring	Summer
EYFS	**I wonder… what changes in Autumn.** **I wonder…where light can appear from.** A first natural world look – exploring the immediate world around them and draw upon their experiences and what is read in class. Beginning to talk about materials changing at this time of year. Beginning to talk about and explore light.	**I wonder… what changes in Winter.** **I wonder…if my plant will grow.** Taking a further natural world look, know some similarities and differences between the natural world around them and contrasting environments. Make observations and drawing pictures of plants. Looking at simple material changes in cold weather.	**I wonder… what changes in Summer.** Prior to entering the Year 1 Seasonal Change theme, continue to explore some important processes and changes in the natural world around them and contrasting environments, including the seasons and relevant changing states of matter.
Year One	**Toy Story** An introduction to **Everyday Materials**: where the children are introduced to a variety of materials describe their properties and compare and group them based upon this. All within the purposeful context of our toys study.	**St Annes in Bloom** **Plants: identifying and naming** a range of common wild and gardens plants and trees including their basic structure. Concluding our seasonal change work linked to Early Years by observing and describing **weather** linked to seasons and how the day length varies at differing times.	**Travels & Tales** **Animals, including Humans**: identify, name, describe and compare including basic parts of the human body.
Year Two	**Animal Kingdom** **Living Things & Their Habitats:** Begin to consider animal habitats and their essential role in providing basic needs.	**Desert Island Champions** **Plants & Animals Including Humans:** Growing and introduction to staying healthy.	**Kings, Queens & Castles** The next stage in Materials **'The Uses of Everyday Materials'**. Identify and compare the suitability of materials for particular uses. How shapes of solid objects made from certain materials can be changed and altered.
Year Three	**A Roman Invasion** **Skeletons & Movement** **Keeping a Healthy Body: Nutrition**	**Clash of the Titans** After an introduction to **Rocks** in the KS1 **Materials** studies, we move into a specific study of them by making comparisons and developing knowledge into how fossils and soil are formed. **Forces & Magnets Part 1:** forms the focus for the second half term as the children undertake a series of fair tests related to Anglo-Saxons & Vikings and a compass challenge!	**Superb Structures** **Light Part 1:** A study of how light and dark function and a study of shadows within the context of our structures work. **Life Cycle of Plants & the Functions of Parts of a Flowering Plant.**
Year Four	**The Power and The Rose** **Teeth & The Digestive System:** including food chains, grouping living things and the use of keys.	**Passport to New Europe** **Sound:** How sounds are made, how sound travels, volume, pitch and vibrations.	**Valley of the Kings** **Electricity Part 1:** Introduction to simple circuits, their components, their uses and conductors and insulators. Next stage of **Materials: States of Matter.** Identifying solids, liquids and gases. Changing stage when heating and cooling linking to temperate, evaporation and condensation.
Year Five	**Gods & Legends (Ancient Greece)** The final study: **Properties and Changes of Materials**. Compare and group based upon hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets. Then moving onto a wider study **reversible and irreversible changes**.	**Amazon Adventure** **Life Cycles:** Animals, Amphibians, Insects, Birds **Reproduction Process:** Plants, Animals **Earth & Space:** Earth, other planets, the sun and the moon and their movements in relation to each other.	**Victorians-on-Sea** **Forces Part 2:** Gravity, Air Resistance, Water Resistance, Friction
Year Six	**We All Stand Together (WW2)** **Evolution & Adaptation** including a study of Charles Darwin and his *'Theory of Evolution'*.	**Modern Olympic Heroes** **Changes with Age, Circulatory System & Damage to the Body** **Detailed Classification of Plants, Animals & Micro-Organisms**	**Bring Me Sunshine** **Light Part 2:** Considering how light travels. Its relationship between light sources, objects and our eyes. **Electricity Part 2:** Control of circuits and use of circuit symbols. Application of Part 1 knowledge.