

Science overview

	EYFS	Y1	Y2	Y3	Y4	Y5	Y6
Autumn 1	<p>To name a range of everyday materials Communication</p> <p>To state the materials that objects are made from</p> <p>To know why we use materials for specific purposes ie. Waterproofing, building, security</p>	<p>Animals, including humans - Senses</p> <p>Naming body parts EYFS Consolidation</p>	<p>Observe how plants grow. Finding out what plants need to survive and stay healthy.</p> <p>Y1 Consolidation</p> <p>Describe the importance for humans of exercise, the right food and hygiene</p> <p>Y1 Consolidation</p>	<p>Plants</p> <p>Parts of a plant, what a plant needs to grow and life cycles of a plant. Water transportation experiment.</p> <p>Growing fruits. Y2 Consolidation/Community</p>	<p>Living Things and their Habitats including Food Chains</p> <p>Y2 consolidation</p>	<p>Living things and their habitats</p> <p>Life cycles of birds, insects, plants and mammals</p> <p>Find out the work of animal behaviourist (David Attenborough)</p> <p>Raise questions about the local environment and impact on it. Y4 Consolidation</p>	<p>Living Things and their Habitats – classification</p> <p>Y5 Consolidation</p> <p>Fossils Y3 Consolidation</p>
Autumn 2	<p>To know how shadows are formed</p> <p>To know how we see the moon.</p> <p>To know that the sun orbits the earth and earth turns on an axis.</p> <p>To know what a light source is.</p> <p>To differentiate between light sources and non-light sources</p> <p>To know what a nocturnal animal is.</p> <p>To be able to name some nocturnal animals.</p> <p>To know that we see because light reflects into our eyes.</p> <p>Communication</p>	<p>Exploring & naming materials</p> <p>Properties of materials EYFS Consolidation</p> <p><i>Goal 12 – responsible consumption & production</i></p>	<p>Animals - Suitability of habitats Community</p> <p>Adaptation</p> <p>Find out and describe basic needs for survival</p> <p>Y1 consolidation</p>	<p>Rocks and Soils</p> <p>Compare and group, formation of fossils and how soils are made form rock</p> <p>Use of microscopes</p> <p>Soils and rocks from the local environment</p> <p>Community</p>	<p>Sound</p>	<p>Earth and Space</p> <p>EYFS consolidation</p>	<p>(Birth of) Electricity Y4 Consolidation</p>
Spring 1	<p>To know that there are four seasons.</p> <p>To understand that there are changes to the environment throughout the year Community</p> <p>To observe the seasonal changes.</p> <p>To use their senses to observe the seasonal changes. Community Communication</p> <p>To understand that a life cycle is a series of stages a living thing goes through during its life</p> <p>To learn about the lifecycle of a chicken Consolidation</p>	<p>Seasonal change</p> <p>Weather & seasons</p> <p>EYFS consolidation</p>	<p>Animals – identifying and naming a variety of common animals including fish, amphibians, reptiles, birds and mammals. Y1 Consolidation</p> <p>Identifying and naming a variety of common animals that are carnivores, herbivores and omnivores.</p> <p>Notice that animals have offspring that grow into adults</p> <p>Food chains</p> <p>Micro habitats</p> <p>Community/Y1 Consolidation</p>	<p>Forces and Magnets</p> <p>How items move on different surfaces, and magnets, sorting materials</p>	<p>States of matter (Solid, liquid, gas)</p>	<p>Water cycle Y4 Consolidation</p> <p>Properties & changes of materials</p> <p>Filtration, sieving and evaporation</p>	<p>Animals including Humans - circulatory system, diet & nutrition</p> <p>Y4 Consolidation</p> <p>Light Y3 Consolidation</p>
Spring 2	<p>To know the difference between omnivore, carnivore and herbivore.</p> <p>Consolidation</p> <p>To understand what sort of habitat the dinosaurs lived in.</p> <p>To understand that there were many types of dinosaur and be able to name a few Communication</p> <p>To know what the word extinct means and how it is relevant to dinosaurs.</p> <p>To know some names for body parts and what the dinosaurs used them for.</p> <p>To know what a predator is.</p> <p>To know what a plant needs in order to survive.</p>						

<p>Summer 1</p>	<p>To learn about the effects of plastic on the environment and discuss ways we can help Community To know what a coral reef is To know what is a fish's habitat is</p>	<p>Plants EYFS consolidation</p>	<p>Change to solid objects by twisting, stretching, bending, squashing Suitability of materials for purpose Flammable materials – what would be the best material to build houses out of? Y1 Consolidation</p>	<p>Animals Purpose of skeleton and muscles, grouping animals Nutrition from food (lessons 1 and 2) Y2 Consolidation</p>	<p>Electricity</p>	<p>Properties & changes of materials Y2 Consolidation properties Y4 consolidation electrical circuits Insulators Chemical reactions</p>	<p>Evolution & inheritance – adaptation Y3 Consolidation (rocks and soils)</p>
<p>Summer 2</p>	<p>To know that there are four seasons. To know that there are changes to the environment throughout the year Community To describe the seasonal changes. Communication To use their senses to observe the seasonal To observe differences within the local area e.g.the difference between the main road and the side roads Community To describe the changes between seasons. Communication</p>	<p>Naming and sorting animals EYFS consolidation</p>	<p>Living/Dead/Never been alive Suitability of materials for purpose</p>	<p>Light The use of light, how light is reflected, shadow formation, the dangers of the sun EYFS consolidation</p>	<p>Animals Including Humans (Digestive System, Teeth) Y3 Consolidation</p>	<p>Forces Y3 Consolidation</p>	