

## Science Long Term Grid Year 1

Autumn Term	Spring Term	Summer Term
<p><u>Everyday Materials</u></p> <ul style="list-style-type: none"> <li>- To be able to identify and name a variety of everyday materials e.g. wood, plastic, glass, metal, water &amp; rock.</li> <li>- To be able to distinguish between an object and the material from which it is made.</li> <li>- To be able to describe the simple physical properties of a variety of everyday materials.</li> <li>- To compare and group together a variety of everyday materials on the basis of their simple physical properties.</li> <li>- To investigate different materials and their properties e.g. <i>what is the best material for an umbrella? What is the best material for a book shelf?</i></li> </ul> <p><u>Sound and Hearing</u></p> <ul style="list-style-type: none"> <li>- To investigate different sources of sound around the school and the local area.</li> <li>- To be able to identify objects that make different sounds.</li> <li>- To investigate how to alter vocal sounds.</li> <li>- To investigate how to know from which direction sounds comes from and how we hear.</li> <li>- To know that loud sounds can be heard over a greater distance.</li> </ul>	<p><u>Animals including Humans</u></p> <ul style="list-style-type: none"> <li>- To be able to name a variety of common animals including fish, amphibians, reptiles, birds and mammals.</li> <li>- To be able to identify and name a variety of common animals that are carnivores, herbivores and omnivores.</li> <li>- To be able to describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals including pets).</li> <li>- To be able to name draw and label the basic parts of the human body.</li> <li>- To be able to say which part of the body is associated with each sense.</li> </ul> <p><u>Light and Dark</u></p> <ul style="list-style-type: none"> <li>- To know that light is essential for seeing things.</li> <li>- To look at how other senses can be used to help identify and find things.</li> <li>- To compare sources of light.</li> <li>- To understand that darkness is the absence of light.</li> <li>- To know that the sun is the source of light for the earth</li> </ul>	<p><u>Plants</u></p> <ul style="list-style-type: none"> <li>- To explore plants in the immediate environment.</li> <li>- To be able to identify a variety of common wild and garden plants including deciduous and evergreen trees.</li> <li>- To be able to identify and describe the basic structure of a variety of common flowering plants including trees.</li> <li>- To know that plants need water and sunlight in order to grow.</li> <li>- To make careful observations of the plants, trees and flowers in the immediate environment.</li> </ul> <p><u>Pushes and Pulls</u></p> <ul style="list-style-type: none"> <li>- To investigate different sorts of movement which can be described in many ways.</li> <li>- To observe and describe different ways of moving.</li> <li>- Pushing or pulling things can make objects start and stop moving.</li> <li>- To make predictions when investigating.</li> </ul>

### Seasonal Change (Topic covered throughout the year)

- To observe changes across the four seasons
- To observe and describe the weather associated with the seasons and how day length varies.