

## RECEPTION FOUNDATIONS FOR SCIENCE

## **EYFS**

## KNOW IT: Understanding the World: The Natural World

	SEASONS AND WEATHER	MATERIALS
By the end of EYFS children should:		By the end of EYFS children should:
⇒	Understand changes in the natural world such as day and night and different seasons.	⇒ Know the names of some common materials in their immediate environment.
$\Rightarrow$ $\Rightarrow$	Know that there are four seasons within a year. Describe changes that take place during these seasons within the natural world e.g. weather, plants and trees, animal hibernation.	<ul> <li>⇒ Know and use the vocabulary used to describe basic properties of some common materials.</li> <li>⇒ Know that some materials can change through heating and cooling.</li> </ul>
$\begin{array}{c} \Rightarrow \\ \Rightarrow \\ \Rightarrow \end{array}$	Know and describe different weather conditions. Know which types of weather are linked to different seasons. Know the symbols used to represent common weather conditions.	<ul> <li>⇒ Understand that some materials are better for making objects than others.</li> </ul>
,	Animals, including Humans	PLANTS
By the end of EYFS children should:		By the end of EYFS children should:
⇒	Know the names of a variety of animals and their basic physical features.	$\Rightarrow$ Know that plants are living things that grow in the earth.
$\Rightarrow$	Know that different types of animals eat different food.	⇒ Know that most plants have stems, leaves and roots and that some have flowers.
$\Rightarrow$	Know and identify the names of their own body parts.	$\Rightarrow$ Know that plants grow from seeds.
$\Rightarrow$	Know and use some of the vocabulary linked to senses.	$\Rightarrow$ Know that plants need water to grow and stay healthy.
$\Rightarrow$	Describe some lifecycles such as chick and/or frog.	$\Rightarrow$ Know how to provide basic care to plants.
⇒	Know how to provide basic care to domestic animals.	$\Rightarrow$ Observe and describe plants within their local environment.
	Forces and Magnets	LIGHT AND ELECTRICITY
By the end of EYFS children should:		By the end of EYFS children should:
Λ Λ Λ Λ Λ Λ Λ Λ Λ Λ	<ul> <li>Know that objects can be moved by pushing or pulling.</li> <li>Know that some objects can move down a ramp without being pushed or pulled.</li> <li>Know that if an object is pushed or pulled harder, it will move further.</li> <li>Know that heavier objects need more push or pull to move.</li> <li>Know that lighter objects need less push or pull to move.</li> <li>Know what magnets are and explore and observe the behaviour of magnets on some materials in their immediate environment.</li> </ul>	<ul> <li>⇒ Know that light comes from the sun.</li> <li>⇒ Know that light is needed to see things.</li> <li>⇒ Know that darkness is the absence of light.</li> <li>⇒ Know some other light sources such as torch, lamp etc.</li> <li>⇒ Know that electricity makes things work.</li> <li>⇒ Know that some objects need electricity to work.</li> <li>⇒ Know that some objects use batteries to make them work.</li> <li>⇒ Know some of the risks linked to electricity and the sun.</li> </ul>

## APPLY IT: PURPOSEFUL LEARNING OPPORTUNITIES

