

# Year 3 Science Plan Autumn 2017-2018

Term	Science	Outcomes	NC Links
<p><b>Autumn 1</b></p> <p><b>Animals Including Humans</b></p>	Types of Nutrition	<p>I can explain how living things obtain food.</p> <p>I can state why animals, including humans, need the right type of nutrients.</p>	<p>Identify that they cannot make their own food; they get nutrition from what they eat by comparing how plants and humans obtain food.</p> <p>Identify that animals, including humans, need the right types of nutrition by examining food groups and nutrient groups.</p>
	Amount of Nutrition	I can compare and group animals by their diet.	Identify that animals, including humans, need the right amount of nutrition in the context of identifying differences and similarities related to simple scientific processes by grouping animals according to their diets.
	Types of Skeleton	I can sort animals based on their skeletons.	Identify that humans and some other animals have skeletons by investigating skeleton types.
	Naming Bones	I can identify and name bones.	Identify that humans and some other animals have skeletons by identifying the parts of the skeleton.
	Functions of a Skeleton	I can identify and explain the three main functions of a skeleton.	Identify that humans and some other animals have skeletons for support, protection and movement, by focusing on skeleton types.
	Mighty Muscles	<p>I know why we need muscles to move.</p> <p>I can set up a simple practical enquiry.</p> <p>I can record my findings</p>	<p>Identify that humans and some other animals have muscles for movement by examining how muscles work.</p> <p>Setting up simple practical enquiries in the context of investigating pairs of muscles.</p> <p>Recording findings using simple scientific language by writing the results of the practical investigation.</p>

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Term	Science	Outcomes	NC Links
<b>Autumn 2</b>	Light and Dark	I can recognise that I need light to see things, and that dark is the absence of light.	To recognise that we need light in order to see things and that dark is the absence of light by taking part in a 'feely bag' investigation.
	Reflective Surfaces	I can investigate which surfaces reflect light.	To notice that light is reflected from surfaces by choosing the most reflective material for a new book bag.
	Marvellous Mirrors	I can use a mirror to reflect light and explain how mirrors work.	To notice that light is reflected from surfaces by playing mirror games.
	Sun Safety	I know that light from the sun can be dangerous and that there are ways we can protect our eyes.	To recognise that light from the sun can be dangerous and that there are ways to protect our eyes by designing and advertising a pair of sunglasses or a sun hat.
	Making Shadows	I can investigate which materials block light to form shadows.	To recognise that shadows are formed when the light from a light source is blocked by a solid object by investigating the best material for curtains for a baby's bedroom.
	Changing Shadows	I can find patterns when investigating how shadows change size.	To find patterns in the way that the size of shadows change by investigating what happens when you change the distance between the object and the light source.