



Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets)	Observe and describe how seeds and bulbs grow into mature plants	Identify and name a variety of plants and animals in their habitats, including microhabitats		Recognise that soils are made from rocks and organic matter	Notice that light is reflected from surfaces	Observe how magnets attract or repel each other and attract some materials and not others	Describe the simple physical properties of a variety of everyday materials	Recognise that vibrations from sounds travel through a medium to the ear	Identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery
Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense	Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy	Describe how animals obtain their food from plants and other animals, using the idea of a simple food chain and identify and name different sources of food		<b>Year 5 Earth and Space</b> Describe the movement of the Earth, and other planets, relative to the Sun in the solar system	Recognise that light from the sun can be dangerous and that there are ways to protect their eyes	Compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet and identify some magnetic materials	Compare and group together a variety of everyday materials on the basis of their simple physical properties	Find patterns between the volume of a sound and the strength of the vibrations that produced it	Recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit
<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>		Describe the movement of the Earth, and other planets, relative to the Sun in the solar system	Recognise that shadows are formed when the light from a light source is blocked by a solid object	Describe magnets as having two poles	<b>Year 2</b>	Recognise that sounds get fainter as the distance from the sound source increases	Recognise some common conductors and insulators and associate metals with being good conductors
Notice that animals, including humans, have offspring which grow into adults	Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers	Recognise that living things can be grouped in a variety of ways			<b>Year 6</b>		Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses		<b>Year 6</b>



Identify that humans and some other animals have skeletons and muscles for support, protection and movement	<b>Evolution and Inheritance</b>	Describe the life processes of reproduction in some plants and animals			Use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them	Recognise that some mechanisms, including levers, pulleys and gears allow a smaller force to have a greater effect	Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature		
	Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago								
Describe changes as humans get to old age.	Recognise that living things produce offspring of the same kind; normally offspring vary and are not identical to their parents	<b>Year 6</b>					<b>Year 5</b>		
		Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including microorganisms, plants and animals					Compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal) and response to magnets		



<p>Identify and name the main parts of the human circulatory system and describe the functions of the heart, blood vessels and blood</p>									
<p>Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function</p>									
<p>Describe the ways in which nutrients and water are transported within animals, including humans</p>									

**Year 1**

**Year 2**

**Year 3**

**Year 4**

**Year 5**

**Year 6**

