

	Autumn 1	Spring 1	Summer
<b>Foxes</b> <b>Years 1</b> <b>and 2</b> <b>Year A</b>	<b>Everyday Materials 1 (6)</b> What are materials? How are materials different? What are objects made from? How can we sort materials? Which material would be best for an umbrella? Which material would be best for curtains?	<b>Animals, including humans 1 (6)</b> What is this animal? How are animals different? Do all animals eat the same thing? What are our body parts called? What are senses? Are all humans the same?  <b>Living things and their habitats 2 (6)</b> Is it living, dead or never been alive? What is a microhabitat? How are habitats different around the world? What conditions do woodlice prefer? How are living things adapted to their habitat? What is a food chain?	<b>Plants 2 (5)</b> Which plants can we eat? Are all seeds the same? What do plants need? Where will they grow? How do plants grow and change?
<b>Foxes</b> <b>Years 1</b> <b>and 2</b> <b>Year B</b>	<b>Seasonal changes 1 (2)</b> What is Autumn? What is Winter?  <b>Materials 2 (5)</b> What are materials? What are things made from? Which material should the pigs make their house from? Which material will protect Humpty Dumpty?	<b>Seasonal changes 1 (1)</b> What is Spring?  <b>Animals including humans 2 (8)</b> What do humans need? What are offspring? How do animals change as they grow into adults? Do we all grow the same? Do we need to exercise? What is a healthy diet?	<b>Seasonal changes 1 (3)</b> What is Summer? Rain Seasonal changes  <b>Plants 1 (8)</b> What is a plant? What are the parts of a plant called? Do plants grow? Do wild plants grow in our local area?

	How can we change materials?		Why do we need to have good hygiene? How can we feel better when we are ill?		How can we group plants? Can we eat plants? Are trees a type of plant? What is a leaf?	
<b>Hedgehogs Years 3 and 4 Year A</b>	Rocks and soils 3 (6) - Chemistry What are rocks? Are all rocks the same? How are rocks formed? Which rocks make up the Earth? What are soils? How are fossils formed?	Animals including humans 3 (5) - Biology How does our skeleton help us? Do our bones affect what we can do? What do our muscles do? Do all animals have the same skeleton? What types of nutrition do we need?	Plants 3 (6) - Biology What do plants need? Do the different parts of the plant have a function? What are roots? How do plants transport water? How do plants reproduce? How are seeds dispersed?	Electricity 4 (5) Physics Which appliances use electricity? How can I make a simple circuit? Why don't some circuits work? How can we test if a material is a conductor or an insulator? How do switches affect a circuit?	Sound 4 (7) Physics How are sounds made? What is a sound vibration? What is inside your ear? Does the size of the pinna affect the volume of the sound? What is pitch? What is volume? Which material is best at muffling sound?	
<b>Hedgehogs Years 3 and 4 Year B</b>	Animals including Humans 4 (5) - Biology What is the digestive system?	Light 3 (6) - Physics What is a light source?	States of Matter 4 (7) - Chemistry		Magnets 3 (6) - Physics	Living things and their habitats 4 (6) - Biology

	<p>Why are teeth different shapes? What drink causes the most tooth decay? What is a food chain? How can I construct a food chain?</p>	<p>What is reflected light? Is the Sun dangerous? What is a shadow? Does moving the light source above the object make the object's shadow longer? How do mirrors work?</p>	<p>What are solids, liquids and gases? Do all liquids behave the same? What is a thermometer used for? How do materials change state? What is the water cycle? Do all liquids evaporate? Does temperature affect the rate of evaporation?</p>		<p>What is a force? Do objects move the same on different surfaces? How do magnetic forces work? Which materials are magnetic? Do magnets attract each other? Are all magnets the same strength?</p>	<p>What are the seven life processes? How can we sort and group animals? What are vertebrate animals? Which living things can be found in the local area? What is a classification key? How is our environment changing?</p>
<p><b>Badgers Years 5 and 6 Year A</b></p>	<p>Earth and space 5 (6) – Physics</p> <p>What are the names of the planets in the solar system?</p>	<p>Electricity 6 – Physics</p> <p>How do I draw a scientific diagram of a circuit? How does voltage in a circuit affect</p>	<p>Animals including humans - Heart and Blood 6 (6) – Biology</p> <p>What is the circulatory system?</p>	<p>Forces 5 (6) - Physics</p> <p>What is gravity? What is friction?</p>	<p>Living things and their Habitats 6 (6) – Biology</p> <p>How are animals classified? What is a classification key? How can we classify plants? Is yeast a living microorganism?</p>	

	<p>How do we know the Earth is a sphere?</p> <p>How long does it take for Earth (and other planets) to orbit the Sun once?</p> <p>What is the largest object that orbits the Earth?</p> <p>Why is there day and night on Earth?</p> <p>Does the Moon change shape?</p>	<p>the brightness of a bulb?</p> <p>How do I plan a fair test experiment to investigate variations in how components function?</p> <p>How do I write a conclusion for my investigation?</p> <p>What is renewable and non-renewable energy?</p>	<p>How does our heart work?</p> <p>How does exercise affect my heart rate?</p> <p>What does the blood transport around the body?</p> <p>How can I live a healthy lifestyle?</p> <p>What can damage our health?</p>	<p>Friction investigation</p> <p>Identify the effects of air resistance</p> <p>What is water resistance?</p> <p>Gears, levers and pulleys</p>	<p>What are the five main groups of microorganisms?</p> <p>Who was Carolus Linnaeus?</p>
<p><b>Badgers Years 5 and 6 Year B</b></p>	<p>Evolution 6 (6) - Biology</p> <p>How are plants adapted to their environment?</p> <p>How are animals are adapted to their environment?</p> <p>What is natural selection, how does this lead to evolution?</p> <p>How do adaptations lead to evolution?</p> <p>What characteristics can you inherit from your parents?</p>	<p>Light 6 (5) – Physics</p> <p>How does light travel?</p> <p>Which materials make the best reflectors?</p> <p>How does the eye work?</p>	<p>Materials 5 (7) – Chemistry</p> <p>What are the properties of solids, liquids and gases?</p> <p>How can I describe the properties of materials?</p>	<p>Animals including humans 5 (4) - Biology</p> <p>How do humans change throughout their life?</p>	<p>Living things 5 (6) – Biology</p> <p>What are the seven life processes?</p> <p>How do mammals reproduce?</p>

	<p>How can fossils help us explain evolution?</p>	<p>How do shadows change during the day? Why do objects look different in water? How do mirrors work?</p>	<p>Which materials make the best thermal insulators? Which materials are magnetic? Which materials are soluble, and which are insoluble? How can mixed materials be separated? What is irreversible changes?</p>	<p>How do we develop in the womb? How do we change through puberty? How do we change when we are senior?</p>	<p>Do animals reproduce in the same way? How do plants reproduce? What is a lifecycle? What are the stages in the lifecycle of a plant?</p>
--	---	---	--	--	---