

	<u>On Our Doorstep</u>	<u>In The Capital</u>	<u>On Our Planet</u>	<u>On Our Travels</u>	<u>On The Ward</u>	<u>In The Great Outdoors</u>
<u>KS1 - Cycle 1</u>	<p><b>Seasonal changes</b> Observe changes across the seasons and describe changes across the seasons</p>	<p><b>Materials</b> Identify and name materials, physical properties Compare and group Discuss the suitability of a material and observe how materials can change shape</p>	<p><b>Animals (Including Humans)</b> identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals Adaptations Food Chains Reproduction and basic needs</p>	<p><b>Living things and their habitats</b> Habitats Explore and compare things between living, dead, never living  Food chains and sources of food</p>	<p><b>Animals (including Humans)</b> Human body parts / senses Describe the importance of exercise / types of food and hygiene Basic needs for survival</p>	<p><b>Plants</b> Seeds Working Scientifically Written experiments Observations  <b><u>Links to the DT project of moving picture</u></b></p>
	<u>Under Parliament</u>	<u>Our Life, Our Leeds</u>	<u>On the High Seas</u>	<u>At the Toyshop</u>	<u>In the Wild</u>	<u>At the Weather Station</u>
<u>KS1 - Cycle 2</u>	<p><b>Working scientifically</b> Learning the skills in science / how to work scientifically and how to observe scientifically and learn the three strands of science</p>	<p><b>Animals (including Humans)</b> Human body parts / senses Describe the importance of exercise / types of food and hygiene Basic needs for survival</p>	<p><b>Living things and their habitats</b> Habitats Adaptations Food Chains Reproduction and basic needs</p>	<p><b>Materials (<u>Links to DT project of making a pencil case</u>)</b> Identify and name materials, physical properties Compare and group Discuss the</p>	<p><b>Plants</b> Common, wild and garden plants Structure of a plant  Needs of a plant to survive Observational experiments</p>	<p><b>Seasonal changes</b> Weather patterns How the length of the day varies Comparison of weather around the world</p>

				suitability of a material and observe how materials can change shape		
<u>LKS2 - Cycle 1</u>	<u>With Yorkshire Artists</u>	<u>In Ancient Greece</u>	<u>On a River</u>	<u>On the Savannah</u>	<u>In the Colosseum</u>	<u>Down the Mine</u>
	<p><b>Living things and habitats</b>            Classification            Recognise that environments can change and pose dangers to living things            Skeletons and muscles and nutrition            Human impact on environments            Identify local plants and animals</p>	<p><b>Forces and magnets</b>            How things move on different surfaces            Magnetic forces            Grouping materials            Describing magnets            Looking for patterns in the way magnets behave            Suggesting uses for magnets</p>	<p><b>Forces and magnets</b>            How things move on different surfaces            Magnetic forces            Grouping materials            Describing magnets            Looking for patterns in the way magnets behave            Suggesting uses for magnets</p>	<p><b>Animals including humans</b>            Food chains            Simple digestive systems            Types of teeth</p>	<p><b>Electricity and sound - <u>links to the DT project</u></b>            Identify how sounds are made            Patterns between pitch and volume            Working scientifically - creating an experiment to test hypothesis            Construct an electrical circuit / identify basic parts</p>	<p><b>Rocks</b>            Compare and group different kinds of rocks            How fossils are formed            Recognise soils are made from rocks</p>
<u>LKS2 - Cycle 2</u>	<u>Inside the Human Body</u>	<u>In the Stone Age</u>	<u>At the Workshop</u>	<u>At the Pyramids</u>	<u>In Victorian Yorkshire</u>	<u>In the Countryside</u>
	<p><b>Animals including humans</b>            Food chains            Simple digestive systems</p>	<p><b>Rocks</b>            Compare and group different kinds of rocks            How fossils are</p>	<p><b>Forces and magnets</b>            Build on the learning from the previous cycle to</p>	<p><b>Living things and habitats</b>            Classification            Recognise that environments can</p>	<p><b>Light</b>            Recognise they need light to see things            Light and dark</p>	<p><b>Plants</b>            Plant life - basic structure and functions</p>

	Types of teeth	formed Recognise soils are made from rocks	suggest uses for magnets and use magnets.	change and pose dangers to living things Skeletons and muscles and nutrition Human impact on environments Identify local plants and animals	Reflection Dangers of light Shadows Looking for patterns in shadows when the direction of light changes	Life cycle/water transportation
<u>UKS2 - Cycle 1</u>	<u>Frozen Kingdom</u>	<u>In the Blitz</u>	<u>Amongst the fossils</u>	<u>On the Bus</u>	<u>In a Heartbeat</u>	<u>In the Courtroom</u>
	<b>Working scientifically</b>  Explore water resistance by making and testing boats of different shapes Plan different types of enquiries Take measurements Record data and results Make predictions Present findings Look at scientific evidence	<b>Light</b>  How light travels Reflection Light sources Shadows Working scientifically e.g. designing and making a periscope / investigating via shadows puppets	<b>Evolution and inheritance</b>  Changes over time Fossils as a source of information Living things and their offspring Adaptation that leads to evolution - <b>Mary Anning / Charles Darwin</b>	<b>Living things and habitats</b>  Describe how living things are classified Give reasons for classifying plants and animals Life cycles and reproduction in plants and animals	<b>Animals including humans</b>  Human circulatory system Exercise, diet, drugs and lifestyle Transportation of nutrients and water Body parts / internal organs	<b>Electricity</b>  Circuits and voltage Brightness of bulbs, on off switches Use symbols in a simple circuit diagram Build series circuits Working safely with electricity Working scientifically - designing and making a burglary alarm

<u>UKS2 - Cycle 2</u>	<u>In the Rainforest</u>	<u>In Mexico</u>	<u>On a Longboat</u>	<u>In the Landfill</u>	<u>At the Abbey</u>	<u>On a Space Station</u>
	<p><b>Living things and habitats</b>            Life cycles of a mammal, amphibian, insect and bird            Process of reproduction of plants and animals            Observe and compare from the local environment with the rainforest</p>	<p><b>Animals including humans</b>            Describe changes as humans develop to old age            Learn about changes experienced in puberty            Different gestation periods in animals and humans</p>	<p><b>Forces</b>            Explain the force of gravity            Identify effects of air resistance, water resistance and friction            Mechanisms and their forces            Explore</p>	<p><b>Properties and changes of materials</b>            Compare and group everyday materials on the basis of their properties            Substances and solutions            Solids, liquids and gases            Reversible and irreversible changes</p>	<p><b>Working scientifically</b>            Plan different types of enquiries            Take measurements            Record data and results            Make predictions            Present findings            Look at scientific evidence</p>	<p><b>Earth and Space</b>            Movement of planets in the solar system in relation to the sun            Movement of the moon in relation to Earth            Earth's rotation to explain day and night            Learn the classification of the sun, moon and planets. E.g. sun = star</p>