



Stimpson Avenue Academy Science Curriculum Overview



		Forces	Electromagnets	Waves	Earth	Matter	Organisms	Ecosystems	Genes
		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6		
Autumn	Autumn	Animals Including Humans (About Me)	Living Things and Their Habitats	Rocks	States of Matter	Properties of Materials	Light		
	Autumn	Everyday Materials (Exploring)	Animals Including Humans (Growth)	Animals Including Humans (What Makes us)	Animals Including Humans (Food and Digestion)	Changes of Materials	Electricity		
Spring 1	Spring 1	Everyday Materials (Uses)	Plants	Forces and Magnets	Living Things and Their Habitats (Nature and the Environment)	Animals Including Humans (the Human Life Cycle)	Animals Including Humans (Blood and Transportation)		
	Spring 2	Plants	Everyday Materials	Exploring the World of Plants	Living Things and Their Habitats (Classifying)	Studying Living Things	Animals Including Humans (The Heart and Health)		
Summer 1	Summer 1	Animals Including Humans (About Animals)	Animals Including Humans (Diet and Health)	Plants (Life Cycles)	Sound	Earth and Space	Evolution and Inheritance		
	Summer 2	Seasonal Change	Living Things and Their Habitats (Habitats around the World)	Light	Electricity	Forces	Living Things and Their habitats		



Stimpson Avenue Academy - Science Curriculum



Year 1		Aut		Spr		Sum		Key Vertical Science Links	Horizontal/Diagonal Links
		1	2	1	2	1	2		
Animals Including Humans (About Me)	Learn about the senses: sight, taste and touch							<p>The World Children know about similarities and differences in relation to living things. They talk about the features of their own immediate environment. They make observations of animals and plants.</p>	
	Learn about the senses of hearing and smell								
	Identify, name, draw and label the basic parts of the human body								
	Learn about changes in your body since you were a baby								
	Understand the importance of taking care of your body								
	Show how humans mimic nature								
Everyday Materials (Exploring)	Identify the material objects are made from							<p>Shape, space and Measures Children use everyday language to talk about size, Weight, capacity ... and explore characteristics of everyday objects and shapes and use mathematical language to describe them.</p> <p>Technology Children recognise that a range of technology is used in places such as homes and schools. They select and use technology for particular purposes.</p>	<p>Year 1 Autumn 2 DT Sliders and Levers - Select and use tools, explaining their choices, to cut, shape and join paper and card.</p>
	Describe some simple physical properties of materials								
	Group together materials by their physical properties								
	Explore everyday materials which are opaque or transparent								
	Know the story of Wilbur and Orville Wright								
	Explore everyday materials which are absorbent or non-absorbent								
Everyday Materials (Uses)	Know every day uses of magnets							<p>Understanding Children follow instructions involving several ideas or actions. They answer 'how' and 'why' questions about their experiences and in response to stories or events</p> <p>Health and self-care Children know the importance for good health of physical exercise, and a healthy diet, and talk about ways to keep healthy and safe. They manage their own basic hygiene and personal needs successfully, including dressing and going to the toilet independently.</p>	<p>Year 1 Spring 1 DT Freestanding Structures - Know how to make freestanding structures stronger, stiffer and more stable. Select new and reclaimed materials and construction kits to build their structures.</p>
	Recognise a variety of widely used materials								
	Understand why materials are chosen for specific tasks								
	Understand that magnets only attract certain metals								
	Understand that magnets have a north and south pole								
	Know how to test materials for their strength; understand that some materials are nature, and some are man-made								
Plants	Understand what a plant needs in order to grow well							<p>Self-confidence and self-awareness Children are confident to try new activities and say why they like some activities more than others. They are confident to speak in a familiar group, will talk about their ideas, and will choose the resources they need for their chosen activities. They say when they do or don't need help.</p>	
	Know the basic parts of a plant								
	Understand that some food is grown as a crop on a farm								
	Know about different arable crops grown by farmers								
	Understand the difference between an evergreen and deciduous plant								
	How plants change over time								
Animals Including Humans (About Animals)	Understand what animals need in order to grow							<p>Moving and handling Children show good control and co-ordination in large and small movements. They move confidently in a range of ways, safely negotiating space. They handle equipment and tools effectively, including pencils for writing.</p> <p>Numbers Children count reliably with numbers from 1 to 20, place them in order and say which number is one more or one less than a given number. Using quantities and objects, they add and subtract two single-digit numbers and count on or back to find the answer. They solve problems, including doubling, halving and sharing.</p>	
	Know where birds live and what they need								
	Explore how animals need to be cared for differently								
	Discover how an animal's offspring is the same as its parent								
	Identify a variety of animals including fish, amphibians, reptiles, birds and mammals								
	Identify a variety to common animals that are carnivores, herbivores and omnivores								
Seasonal changes	Recognise different types of weather								
	Learn about clouds and rainfall								
	Recognise the different types of cold weather								
	Explain how to keep safe during thunderstorms								
	Look at different types of weather and how it affects places on Earth								

	Identify the four seasons								
<i>Forces</i>	<i>Electromagnets</i>	<i>Waves</i>	<i>Earth</i>	<i>Matter</i>	<i>Organisms</i>	<i>Ecosystems</i>	<i>Genes</i>		



Stimpson Avenue Academy - Science Curriculum



Year 2		Aut	Spr	Sum	Key Vertical Science Links	Horizontal/Diagonal Links
		1	2	1		
Living Things and Their Habitats	Explore the differences between things that are living, dead and things that have never been alive				<p>Year 1 Spring 2 – Plants</p> <p>Understand what a plant needs in order to grow well. Know the basic parts of a plant. Understand that some food is grown as a crop on a farm. Know about different arable crops grown by farmers. Understand the difference between an evergreen and deciduous plant. How plants change over time.</p>	
	Identify and name a variety of plants and animals in a microhabitat					
	Describe how animals obtain their food from plants					
	Know about different sources of food grown by farmers					
	Understand the journey food makes from the farm to the supermarket					
	Learn about the food chain					
Animals Including Humans (Growth)	Learn the life cycle of birth, growth, reproduction and death				<p>Year 1 Autumn 1 – About Me</p> <p>Learn about changes in your body since you were a baby. Understand the importance of taking care of your body. Show how humans mimic nature.</p> <p>Year 1 Summer 1 – About Animals</p> <p>Understand what animals need in order to grow. Discover how an animal's offspring is the same as its parent. Identify a variety of animals including fish, amphibians, reptiles, birds and mammals</p>	
	Learn about reproduction and growth in animals					
	Learn how humans grow by looking at how babies grow into adults					
	Describe the stages of life from adulthood to old age					
	Know the life cycle of a frog					
	Describe the life cycle of a butterfly					
Plants	Compare generations of families to help understand how characteristics are inherited				<p>Year 1 Spring 2 – Plants</p> <p>Understand what a plant needs in order to grow well. Know the basic parts of a plant. Understand the difference between an evergreen and deciduous plant. How plants change over time.</p> <p>Year 2 Autumn 1 – Plants</p> <p>Identify and name a variety of plants and animals in a microhabitat. Describe how animals obtain their food from plants.</p>	
	Understand that plants need water, light and a suitable temperature in order to grow well					
	Understand the difference between a bulb and a seed					
	Understand that plants make their own food					
	Know how plants grow from a seed to a plant					
	Recognise the importance of flowers and seeds					
Everyday Materials	Explore the work of Charles Macintosh; understand how the properties of material can be changed				<p>Year 1 Autumn 1 – Exploring Everyday Materials</p> <p>Identify the material objects are made from. Describe some simple physical properties of materials. Group together materials by their physical properties. Explore everyday materials which are opaque or transparent. Explore everyday materials which are absorbent or non-absorbent.</p> <p>Year 1 Spring 1 – Uses of Everyday Materials</p> <p>Recognise a variety of widely used materials. Understand why materials are chosen for specific tasks.</p>	
	Know about John McAdam's invention, recognise that new materials are constantly being invented					
	Explore the work of John Dunlop; identify and compare the usefulness of certain materials when forces are applied					
	Explain why we use certain materials					
	Investigate squashing, bending, twisting and stretching					
	Compare the uses of everyday materials					
Animals Including Humans (Diet and Health)	Find out about and describe the basic needs of animals, including humans, for survival (water, food and air)				<p>Year 1 Autumn 1 – About Me</p> <p>Learn about the senses: sight, taste and touch. Learn about the senses of hearing and smell. Identify, name, draw and label the basic parts of the human body.</p> <p>Year 2 Autumn 1 – Living Things and Their Habitats</p> <p>Describe how animals obtain their food from plants.</p>	<p>Year 2 Spring 2 PHSE</p> <p>Sort foods into the correct food groups and know which foods the body needs every day to keep healthy. Decide which foods to eat to give the body energy. Make some healthy snacks and explain why they are good for the body.</p>
	Discuss the importance of exercise, a healthy diet and hygiene					
	Learn the importance of nutrition for humans					
	Know how to keep healthy through daily exercise					
	Know how to keep healthy through diet					
Living Things and Their Habitats (Habitats around the World)	Know that living things live in environments to which they are suited				<p>Year 1 Summer 1 – About Animals</p> <p>Know where birds live and what they need. Explore how animals need to be cared for differently. Identify a variety of animals including fish, amphibians, reptiles, birds and mammals.</p> <p>Identify a variety to common animals that are carnivores, herbivores and omnivores.</p>	<p>Year 2 Autumn Geography</p> <p>Identify the position and significance of the Equator. Identify the location of hot and cold areas of the world in relation to the Equator and the North and South Poles (Polar, Desert and Rainforest)</p>
	Appreciate that environments are constantly changing					
	Describe life in the ocean					
	Appreciate the dangers to ocean life					
	Explore the Arctic and Antarctic habitat					
	Explore the rainforest and its problems					

	Understand desert, underground and ocean habitats								
<i>Forces</i>	<i>Electromagnets</i>	<i>Waves</i>	<i>Earth</i>	<i>Matter</i>	<i>Organisms</i>	<i>Ecosystems</i>	<i>Genes</i>		



Stimpson Avenue Academy - Science Curriculum



Year 3		Aut	Spr	Sum	Key Vertical Science Links	Horizontal/Diagonal Links	
		1	2	1			2
Rocks	Describe how mountains are formed				<p>Year 1 Summer 2 – Seasonal Changes Recognise different types of weather. Learn about clouds and rainfall. Recognise the different types of cold weather.</p> <p>Look at different types of weather and how it affects places on Earth. Identify the four seasons.</p> <p>Year 2 Spring 2 – Everyday Materials Explain why we use certain materials. Compare the uses of everyday materials.</p>		
	Recognise the differences between igneous, sedimentary and metamorphic rock						
	Observe rocks, including those used in buildings and gravestones						
	Classify different types of gravestone weathering						
	Understand what a fossil is						
	Describe what soils are made of						
	Identify common rocks						
Animals Including Humans (What Makes us)	Understand about the parts of the brain				<p>Year 2 Summer 1 – Diet and Health Find out about and describe the basic needs of animals, including humans, for survival (water, food and air). Discuss the importance of exercise, a healthy diet and hygiene. Know how to keep healthy through daily exercise.</p> <p>Year 1 Autumn 1 – About Me Learn about changes in your body since you were a baby. Understand the importance of taking care of your body. Show how humans mimic nature.</p>		
	Compare generations of families to help understand how characteristics are inherited						
	Learn about voluntary and involuntary muscles						
	Introduction to the skeleton						
	Know about the skeleton – tendons and ligaments						
	Explore how skeletons and muscles are used for support, protection and movement						
Forces and Magnets	Understand magnetism				<p>Year 2 Spring 2 – Everyday Materials Explain why we use certain materials. Compare the uses of everyday materials.</p> <p>Year 1 Spring 1 – Uses of Everyday Materials Know everyday uses of magnets. Understand that magnets only attract certain metals. Understand that magnets have a north and south pole.</p>	<p>Year 2 Summer DT Wheels and Axels</p> <p>Year 2 Autumn DT Sliders and Levers</p>	
	Learn about the different types of magnets						
	Know that the Earth behaves like a magnet						
	Learn about magnetic fields; learn about the law of magnetic attraction						
	Know that magnetic needles always point magnetic north						
	Compare how things move on different surfaces						
Exploring the World of Plants	Describe the process of germination in seeds and bulbs				<p>Year 2 Spring 1 – Plants Understand that plants need water, light and a suitable temperature in order to grow well. Understand the difference between a bulb and a seed. Understand that plants make their own food. Know how plants grow from a seed to a plant.</p> <p>Year 2 Summer 2 – Habitats Around the World Know that living things live in environments to which they are suited. Appreciate that environments are constantly changing.</p>		
	Asexual reproduction in plants						
	Describe the features of non-vascular plants						
	Describe the life cycle of a plant						
	Explore extraordinary plants and fungi						
	Explore the rainforest and its problems						
Plants (Life Cycles)	Name the parts of the flower and describe what they do				<p>Year 2 Spring 1 – Plants Understand that plants need water, light and a suitable temperature in order to grow well. Understand the difference between a bulb and a seed. Understand that plants make their own food. Know how plants grow from a seed to a plant. Recognise the importance of flowers and seeds.</p> <p>Year 3 Spring 2 – Exploring the World of Plants</p>		
	Explain how plants make their own food						
	Describe the life cycle of a plant						
	Describe the process of pollination						
	Describe how plants soak up water						
	Describe the different ways plants share their seeds						
	Explain how water and food moves around a plant						
Light	Explain how shadows are formed				<p>Year 1 Summer 2 – Seasonal Changes Recognise different types of weather. Learn about clouds and rainfall. Look at different types of weather and how it affects places on Earth. Identify the four seasons.</p>	<p>Year 2 Spring 1 Maths Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anticlockwise)</p>	
	Describe how light travels						
	Understand different types of mirrors						
	Know what a periscope is and how it is used						
	Explain how reflective surfaces keep us safe						
	Recognise that light from the Sun can be dangerous and that there are ways to protect your eyes						
Forces	Electromagnets	Waves	Earth	Matter	Organisms	Ecosystems	Genes



Stimpson Avenue Academy - Science Curriculum



Year 4		Aut		Spr		Sum		Key Vertical Science Links	Horizontal/Diagonal Links
		1	2	1	2	1	2		
States of Matter	Compare and group solids, liquids and gases							<p>Year 2 Spring 2 – Everyday Materials Explore the work of Charles Macintosh; understand how the properties of material can be changed.</p> <p>Year 1 Summer 2 – Seasonal Changes Learn about clouds and rainfall. Recognise the different types of cold weather. Look at different types of weather and how it affects places on Earth.</p>	
	Understand the water cycle								
	Investigate the effect temperature has on changing state								
	Understand diluting and dissolving								
	Understand evaporation and condensation								
	Describe freezing and melting								
Animals Including Humans (Food and Digestion)	Understand the intestines							<p>Year 3 Autumn 2 – What Makes Us Understand about the parts of the brain. Explore how skeletons and muscles are used for support, protection and movement.</p> <p>Year 2 Summer 1 – Diet and Health Find out about and describe the basic needs of animals, including humans, for survival (water, food and air).</p> <p>Year 1 Autumn 1 – About Me Learn about changes in your body since you were a baby. Understand the importance of taking care of your body. Show how humans mimic nature.</p>	
	Understand the food pyramid and why it is important								
	Know about vitamins and minerals								
	Understand salivary glands and taste buds								
	Know the different types of teeth								
	Understand the food chain, know how natural cycles work								
Living Things and Their Habitats (Nature and the Environment)	Understand water pollution							<p>Year 4 Autumn 1 – States of Matter Understand the water cycle. Investigate the effect temperature has on changing state.</p> <p>Year 3 Spring 2 – Exploring the World of Plants Explore the rainforest and its problems.</p> <p>Year 2 Summer 2 – Habitats Around the World Know that living things live in environments to which they are suited. Appreciate that environments are constantly changing. Understand desert, underground and ocean habitats</p>	
	Know about the balance of nature								
	Describe ecosystems and how they are affected by changes in the environment								
	Explore methods that can be used to conserve water								
	Understand human impact on the environment								
	Explore air pollution								
Living Things and Their Habitats (Classifying)	Understand habitats							<p>Year 4 Spring 1 – Nature and the Environment Describe ecosystems and how they are affected by changes in the environment.</p> <p>Year 4 Autumn 2 – Food and Digestion Understand the food pyramid and why it is important. Understand the food chain, know how natural cycles work.</p> <p>Year 2 Summer 1 – Diet and Health Find out about and describe the basic needs of animals, including humans, for survival (water, food and air).</p>	
	Know how scientists classify animals								
	Understand the difference between vertebrate and invertebrate								
	Know about cold-blooded amphibians and reptiles								
	Know about warm-blooded birds and mammals								
	Understand how fish are different from amphibians and reptiles								
Sound	Explain what causes sound							<p>Year 3 Summer 2 – Light Describe how light travels.</p> <p>Year 1 Autumn 1 – About Me Learn about the senses: sight, taste and touch Learn about the senses of hearing and smell.</p>	
	Describe different sounds								
	Compare the speed of sound and the speed of light								
	Compare sounds in solids, liquids and gases								
	Describe how sound travels								
	Explain how to protect your ears								
Electricity	Describe the basic parts of a circuit							<p>Year 3 Spring 1 – Forces and Magnets Understand magnetism. Learn about the different types of magnets. Learn about magnetic fields; learn about the law of magnetic attraction.</p> <p>Year 3 Summer 2 – Light Describe how light travels.</p>	<p>Year 4 Summer 2 Simple Circuits and Switches – Light</p>
	Identify when a lamp will light in a simple series circuit								
	Understand the difference between a series and a parallel circuit								
	Explain how to recognise electrical conductors and insulators								
	Explore how electricity is transported								
	To know how to work safely with electricity								



Stimpson Avenue Academy - Science Curriculum



Year 5		Aut		Spr		Sum		Key Vertical Science Links	Horizontal/Diagonal Links
		1	2	1	2	1	2		
Properties of Materials	Describe the properties of different materials							<p>Year 4 Autumn 1 – States of Matter Compare and group solids, liquids and gases. Understand the water cycle. Investigate the effect temperature has on changing state. Understand diluting and dissolving. Understand evaporation and condensation. Describe freezing and melting.</p> <p>Year 2 Spring 2 – Everyday Materials Explain why we use certain materials. Investigate squashing, bending, twisting and stretching. Compare the uses of everyday materials</p>	
	Compare the properties and uses of different materials								
	Make the perfect sandcastle								
	Explore extracting useful substances from natural resources								
	Explore materials which can be derived from crude oil; explain the importance of carbon compounds in our lives								
	Explore the thermal conductivity of materials to improve energy efficiency in buildings or other systems								
Changes of Materials	Understand that some changes to materials are not reversible							<p>Year 5 Autumn 1 – Properties of Materials Explore extracting useful substances from natural resources. Explore materials which can be derived from crude oil; explain the importance of carbon compounds in our lives. Explore the thermal conductivity of materials to improve energy efficiency in buildings or other systems</p> <p>Year 4 Autumn 1 – States of Matter Compare and group solids, liquids and gases. Understand the water cycle. Investigate the effect temperature has on changing state. Understand diluting and dissolving. Understand evaporation and condensation. Describe freezing and melting.</p>	
	Know the difference between physical and chemical change								
	Be able to explain the words dissolve and solution								
	Understand the actions of filtering, sieving and evaporating								
	Understand that a chemical change alters a molecule permanently								
	Know the difference between elements, compounds and mixtures								
Animals Including Humans (the Human Life Cycle)	Know about life cycles							<p>Year 2 Autumn 2 – animals Including Humans Learn the life cycle of birth, growth, reproduction and death. Learn about reproduction and growth in animals. Learn how humans grow by looking at how babies grow into adults. Describe the stages of life from adulthood to old age.</p>	
	Know about the human reproductive organs								
	Exploring gestation periods								
	Describe the changes which happen in childhood								
	Understand changes which happen in adolescence								
	Describe the changes as humans develop to old age								
Studying Living Things	Know about the life and work of Sir David Attenborough							<p>Year 4 Spring 2 – Living Things and Their Habitats Understand habitats. Know how scientists classify animals. Understand the difference between vertebrate and invertebrate. Understand how fish are different from amphibians and reptiles.</p> <p>Year 2 Autumn 2 – Animals Including Humans Learn about reproduction and growth in animals. Know the life cycle of a frog. Describe the life cycle of a butterfly.</p>	
	Know about the life and work of Dame Jane Goodall								
	Learn about sexual reproduction								
	Describe the life cycles of a mammal, bird and reptile								
	Describe the life cycle of an insect and amphibian								
	Learn about asexual reproduction								
Earth and Space	Describe Nicolaus Copernicus' ideas about planetary motion							<p>Year 1 Throughout – Seasonal Changes Observe changes across the seasons. Observe and describe weather associated with the seasons and how day length varies.</p>	
	Describe the movement of the Earth in space								
	Learn about the gravitational force								
	Describe the characteristics of the planets in our solar system								
	Know about the comets, asteroids and meteors								
	Describe the Big Bang theory								
Forces	Describe the life and work of Sir Issac Newton							<p>Year 5 Summer 1 – Earth and Space Learn about the gravitational force. Describe the characteristics of the planets in our solar system.</p> <p>Year 4 Autumn – States of Matter</p>	<p>Year 3 Autumn DT Levers and Linkages</p> <p>Year 5 Autumn DT (CAMs)</p>
	Understand water resistance and friction								
	Explore gravity and air resistance								

	Predict if an object will float or sink									Compare and group solids, liquids and gases	Understand that mechanical systems have an input, process and an output. Understand how cams can be used to produce different types of movement and change the direction of movement.
	Investigate mechanisms – gears										
	Investigate mechanisms – levers and pulleys										
Forces	Electromagnets	Waves	Earth	Matter	Organisms	Ecosystems	Genes				

Year 6		Aut		Spr		Sum		Key Vertical Science Links	Horizontal/Diagonal Links
		1	2	1	2	1	2		
Light	Explain how light travels in a straight line and shadows are formed							Year 3 Summer 2 – Light Explain how shadows are formed. Describe how light travels. Understand different types of mirrors. Know what a periscope is and how it is used. Explain how reflective surfaces keep us safe. Recognise that light from the Sun can be dangerous and that there are ways to protect your eyes.	Year 5 Autumn 1 Maths Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles.
	Compare materials of different transparencies								
	Describe how lenses can be used								
	Explain how water can bend light								
	Show white light is a mixture								
	Investigate light colour mixing								
Electricity	Explain how objects become charged							Year 4 Summer 2 – Electricity Describe the basic parts of a circuit. Identify when a lamp will light in a simple series circuit. Understand the difference between a series and a parallel circuit. Explain how to recognise electrical conductors and insulators. Explore how electricity is transported. To know how to work safely with electricity.	Year 4 Summer DT Electrical Systems – Simple Circuits and Switches
	Describe the parts of an electric circuit								
	Explain what effects the output of a circuit								
	Explain how variable resistors can work like a switch								
	Compare electrical conductors and insulators								
	Build a set of traffic lights								
Animals Including Humans (Blood and Transportation)	Describe the composition of blood							Year 5 Spring 1 – The Human Life Cycle Describe the changes as humans develop to old age.	Year 5 Spring 2 PSHE I know what makes a healthy lifestyle including healthy eating and the choices I need to make to be healthy and happy.
	Describe how oxygen is moved around the body								
	Explain how blood is filtered								
	Describe what a blood transfusion involves								
	Describe how diabetes is managed								
	Describe the roles of Bacteria								
Animals Including Humans (The Heart and Health)	Describe the function of blood							Year 6 Spring 1 – Blood and Transportation Describe the composition of blood. Describe how oxygen is moved around the body. Explain how blood is filtered. Describe what a blood transfusion involves. Describe how diabetes is managed. Describe the roles of Bacteria.	Year 2 Summer 1 – Diet and Health Discuss the importance of exercise, a healthy diet and hygiene. Know how to keep healthy through daily exercise. Know how to keep healthy through diet.
	Describe the function of blood vessels								
	Describe how your heart moves blood around the body								
	Describe what affects your heart rate								
	Explore the different food groups and identify ways to eat a balanced diet								
	Describe the consequences of an unhealthy lifestyle								
Evolution and Inheritance	Explain how adaptations help animals and plants survive							Year 5 Spring 2 – Studying Living Things Learn about sexual reproduction. Describe the life cycles of a mammal, bird and reptile. Describe the life cycle of an insect and amphibian. Learn about asexual reproduction.	Year 2 History Charles Darwin and Mary Anning
	Describe the process of natural selection								
	Explain what fossils can tell us								
	Explain why animals can look different to their parents								
	Explore the work of palaeontologist Mary Anning								
	Describe the process of genetic modification								
Living Things and Their	Classify living things							Year 6 Summer 1 – Evolution and Inheritance Year 5 Spring 2 – Studying Living Things	Year 6 Spring RE How was the world created and why should I care about it today?
	Explore the kingdoms of life								

	Describe the work of Carl Linnaeus								Learn about sexual reproduction. Describe the life cycles of a mammal, bird and reptile.	
	Describe the different types of fungi								Year 4 Spring 2 – Living Things and Their Habitats Understand habitats. Know how scientists classify animals. Understand the difference between vertebrate and invertebrate.	
	Identify different classes of vertebrates									
	Explore soil habitats									
<i>Forces</i>	<i>Electromagnets</i>	<i>Waves</i>	<i>Earth</i>	<i>Matter</i>	<i>Organisms</i>	<i>Ecosystems</i>	<i>Genes</i>			