

Year group	Topic Name	Science Objective	Link	
Foundation		ANIMALS, INCLUDING HUMANS <ul style="list-style-type: none"> Recognise some environments that are different to the one in which they live. Explore the natural world around them 	Paws, Claws and Whiskers – Year 1/2 Fish, Fins and Gills – Year 1/2 Dinosaurs – Year 1/2 Bounce! – Year ½ Burps, Bottoms and Bile - Year ¾ Scrumdiddlyumptious – Year ¾ Predator – Year ¾ Traders and Raiders – Year ¾ Blue Abyss – Year ¾ Princes and Peasants – Year 5/6 Darwin's Delights – Year 5/6	
		LIGHT <ul style="list-style-type: none"> Describe what they see, hear and feel whilst outside 	Hola Mexico – Year 5/6 Tomorrow's World – Year 5/6 I am Warrior! – Year ¾	
		SEASONS <ul style="list-style-type: none"> Understand the effect of changing seasons on the natural world around them. 	Rio de Vida – Year 1/2	
		PLANTS <ul style="list-style-type: none"> Understand the key features of the life cycle of a plant and an animal 	Enchanted woodland – Year ½ The Scented Garden Year ½ Predator Year ¾ Darwin's Delights – Year 5/6 Into the Unknown – Year 5/6	
		MATERIALS <ul style="list-style-type: none"> Talk about the differences between materials and changes they notice 	Land Ahoy! – Year ½ Moon Zoom! – Year ½ Alchemy Island – Year 5/6 Potions – Yea 3/4	
		FORCES <ul style="list-style-type: none"> Explore and talk about the different forces they can feel 	Scream Machine – Year 5/6 Mighty Metals – Year 3/4	
	Enchanted woodland	PLANTS Comparing living dead, evergreen, deciduous	Predator Year ¾ Darwin's Delights – Year 5/6 Into the Unknown – Year 5/6	
	Rio de Vida	SEASONS Observe changes in seasons, weather associated with seasons and length of days		
	Land Ahoy!	MATERIALS Materials-name everyday materials and distinguish between them. Use variety of materials to make a pirate boat-which is best suited.	Alchemy Island – Year 5/6 Potions – Yea 3/4	
	Paws, Claws and Whiskers	ANIMALS, INCLUDING HUMANS Name animals and their habitats. Animals basic needs Food chains Describe and compare different animals.	Predator – Year ¾ Traders and Raiders – Year ¾ Blue Abyss – Year ¾ Princes and Peasants – Year 5/6 Darwin's Delights – Year 5/6	

Fish, Fins and Gills	ANIMALS, INCLUDING HUMANS Identify and compare the structure of families of animals (fish, amphibians, reptiles, birds and mammals, including pets)	Predator – Year ¾ Traders and Raiders – Year ¾ Blue Abyss – Year ¾ Princes and Peasants – Year 5/6 Darwin's Delights – Year 5/6	
Dinosaurs	ANIMALS, INCLUDING HUMANS Look at carnivores. Look at features of reptiles.	Predator – Year ¾ Traders and Raiders – Year ¾ Blue Abyss – Year ¾ Princes and Peasants – Year 5/6 Darwin's Delights – Year 5/6	
Moon Zoom	MATERIALS Compare suitability of materials and physical properties of materials	Alchemy Island – Year 5/6 Potions – Year 3/4	
The Scented Garden	PLANTS Name and observe common plants Look at the structure of a variety of plants Look at how seeds and bulbs grow Look at basic needs of plants	Predator Year ¾ Darwin's Delights – Year 5/6 Into the Unknown – Year 5/6	
Bounce!	ANIMALS, INCLUDING HUMANS Exercise Hygiene Human body Basic needs Offspring	Burps, Bottoms and Bile - Year ¾ Scrumdiddlyumptious – Year ¾ Off with her head – Year 5/6 A Child's War – Year 5/6	
Burps, Bottoms and Bile	ANIMALS, INCLUDING HUMANS Digestive System Teeth and their functions	Bounce! – Year ½ Off with her head – Year 5/6 A Child's War – Year 5/6	
Potions	MATERIALS Compare and group materials together, according to whether they are solids, liquids or gases Changing state when heated or cooled Evaporation and condensation	Land Ahoy! – Year ½ Moon Zoom! – Year ½ Alchemy Island – Year 5/6	
What the Greeks did for us	SOUND Identify how sounds are made, associating some of them with something vibrating Recognise that vibrations from sounds travel through a medium to the ear Find patterns between the pitch of a sound and features of the object that produced it Find patterns between the volume of a sound and the strength of the vibrations that produced it Recognise that sound gets fainter as the distance from the sound source increases		
Predator	ANIMALS, INCLUDING HUMANS PLANTS Food chains, identifying producers, predators and prey. Look at impact of loss of one animal on whole food chain	Enchanted woodland – Year ½ The Scented Garden Year ½ Darwin's Delights – Year 5/6 Into the Unknown – Year 5/6 Paws, Claws and Whiskers – Year 1/2	

	<p>Investigate the way in which water is transported within plants</p> <p>Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers</p> <p>Explore the requirements of plants for life and growth (air, light, water, nutrients from soil, room to grow) and how they vary from plant to plant</p> <p>Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal</p>	<p>Fish, Fins and Gills – Year ½</p> <p>Dinosaurs – Year 1/2</p> <p>Princes and Peasants – Year 5/6</p> <p>Darwin's Delights – Year 5/6</p>	
Road Trip USA	<p>ELECTRICITY</p> <p>Identify common appliances that run on electricity</p> <p>Construct a simple series electrical circuit, identifying and naming the basic parts.</p> <p>Recognise that a switch opens and closes a circuit</p> <p>Recognise some common conductors and insulators</p>	Road Trip USA – Year ¾	
Scrumdiddlyumptious	<p>ANIMALS, INCLUDING HUMANS</p> <p>Identify that animals, including humans, need the right types and right amount of nutrition and that they cannot make their own food, they get nutrition from what they eat</p>	<p>Bounce! – Year ½</p> <p>Off with her head – Year 5/6</p> <p>A Child's War – Year 5/6</p>	
Mighty Metals	<p>FORCES</p> <p>Compare how things move on different surfaces</p> <p>Notice that some forces need contact between two objects, but magnetic forces can act at a distance</p> <p>Observe how magnets attract or repel each other and attract some materials and not others</p> <p>Describe magnets as having two poles</p>	Scream Machine – Year 5/6	
I am Warrior!	<p>LIGHT</p> <p>Recognise that they need light in order to see things and that dark is the absence of light</p> <p>Notice that light is reflected from surfaces</p> <p>Recognise that light from the sun can be dangerous and that there are ways to protect their eyes</p> <p>Recognise that shadows are formed when the light from a light source is blocked by an opaque object</p> <p>Find patterns in the way that the size of shadows change.</p>	<p>Hola Mexico – Year 5/6</p> <p>Tomorrow's World – Year 5/6</p>	
Tremors	<p>ROCKS</p> <p>Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties</p> <p>Describe in simple terms how fossils are formed when things that have lived are trapped within rocks</p> <p>Recognise that soils are made from rocks and organic matter</p>		
Traders and Raiders	<p>ANIMALS, INCLUDING HUMANS</p> <p>Identify that humans and some other animals have skeletons and muscles for support, protection and movement.</p>	<p>Paws, Claws and Whiskers – Year 1/2</p> <p>Fish, Fins and Gills – Year 1/2</p> <p>Dinosaurs – Year ½</p>	

			Off with her Head – Year 5/6	
	Blue Abyss	ANIMALS, INCLUDING HUMANS Recognise that living things can be grouped in a variety of ways Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment Recognise that environments can change and that this can sometimes pose dangers to living things	Paws, Claws and Whiskers – Year 1/2 Fish, Fins and Gills – Year 1/2 Dinosaurs – Year ½ Princes and Peasants – Year 5/6 Darwin's Delights – Year 5/6	
Year 5 and 6	Alchemy Island	MATERIALS Describe property of materials. Classify and group mixtures – separation by sieving, filtering and evaporating. Reversible and irreversible changes.	Land Ahoy! – Year ½ Moon Zoom! – Year ½ Potions – Yea 3/4	
	Princes and Peasants	ANIMALS, INCLUDING HUMANS A range of science enquiries - comparative and fair testing (growth of bacteria and fungus). Find out about and compare the lifecycle of rodents, fleas and bacteria.	Predator – Year ¾ Traders and Raiders – Year ¾ Blue Abyss – Year 3/4	
	ID	EVOLUTION AND INHERITANCE Devise a classification key of appearance traits. Fingerprints – classify, find out which are most common, display results using a suitable graphing method. Nature vs. nurture debate. Inherited or learnt traits. Investigate the genetics of their classmates.		
	Off with her head	ANIMALS, INCLUDING HUMANS Identify and name the main parts of the human circulatory system. Describe the functions of the heart, blood vessels and blood. Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function Describe the ways in which nutrients and water are transported within animals, including humans	Bounce! – Year 1/2 Scrumdiddlyumptious – Year 3/4 Burps, Bottoms and Bile! – Year 3/4	
	Darwin's Delights	PLANTS EVOLUTION AND INHERITANCE Classify natural objects. Learn about the variety of plants growing in the school grounds. Describe how animals adapt for survival.	Enchanted woodland – Year ½ The Scented Garden Year ½ Predator Year ¾	
	Hola Mexico	LIGHT Shadows – sun light and position	I am Warrior! – Year ¾	
	Revolution	ELECTRICITY Draw a series circuit using the conventional circuit symbols. Draw a parallel circuit	Road Trip USA – Year ¾	

		Learn about how resistance can be increased or decreased in a circuit		
	Into the Unknown	PLANTS -Plant structure - Seed Dispersal -Plant adaptations to extreme conditions	Enchanted woodland – Year ½ The Scented Garden Year ½ Predator Year ¾	
	Tomorrow's World	LIGHT Explain how light behaves and travels in straight lines. Recognise the dangers of using lasers and how they can be used safely. Make periscopes.	I am Warrior! – Year ¾	
	Stargazers	SPACE Name planets of the solar system. Explore and size and scale of the Solar System. Explain day and night using the Earth's rotation. Understand the force of gravity and its connection to the moon.		
	Scream Machine	FORCES Describe the force of gravity. Compare the functionality of a range of materials to perform a specific function. Make a simple pendulum. Air resistance. Water resistance.	Mighty Metals – Year 3/4	
	A child's war	ANIMALS, INCLUDING HUMANS Identify and name the main parts of the human circulatory system. Describe the functions of the heart, blood vessels and blood. Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function Describe the ways in which nutrients and water are transported within animals, including humans	Bounce! – Year 1/2 Scrumdiddlyumptious – Year 3/4 Burps, Bottoms and Bile! – Year 3/4	