



Science Overview 2023-2024

	AUTUMN		SPRING		SUMMER	
Whole School Topic	Wonderful Me!					Caring for my Wonderful World
Nursery	Who am I?	'Happy Birthday to You'	Who put the Colours in the Rainbow?'	'Old MacDonald Had A Farm'	Fairy tales and pirates	'All Around the World!'
	Use senses in hands-on exploration of natural materials.	Explore how things work. Talk about what can be seen.	Talk about the differences between materials and changes noticed. Explore and talk about different forces that can be felt.	Talk about what can be seen, using more specific vocabulary. Exploring animals and their habitats.	Plant seeds and care for growing plants. Understand the key features of a life cycle of a plant and an animal.	Begin to understand the need to respect and care for the natural environment and all living things.
Reception	Who am I?	Where do I belong?	What makes a hero?	'Tickets Please!'	Would a lion make a good pet?	Why am I incredible – why is the world?
	Talk about some of the things I have observed such as plants, animals, natural and found objects	Ask questions about aspects of my familiar world such as the place where I live or the natural world	Explain the need to respect and care for the natural environment and our communities	Describe and make observational drawings of the world around me	Describe the elements of a life cycle of an animal and describe different habitats of animals	Identify and describe some plants in my surroundings and explain how to care for the local environment
Year 1	What is it like here?	How am I making history?	How have toys changed since the Victorian era?	What is the weather like in the UK?	How is life different in India? How have explorers changed the world?	Is any place on earth too hot or too cold for animals to live?
Science	Animals including humans Labelling the human body	Animals including Humans Identifying Common Animals and describing their features	Everyday materials Identifying Everyday Materials and Describing Their properties	Seasonal Change Observe changes across the four seasons	Key scientists – Making connections	Plants – identifying plants and describing their structure

Year 2	Why am I amazing? How was school different in the past?	Would I prefer to live in a hot or cold place?	How is the world wonderful?	Could we fly round the world in 90 days?	What is a monarch?	Who wants to live by the seaside? Why should I Treasure our world?
Science	Living Things and their Habitats Living/Dead/Never Alive	Living Things and their Habitats Micro-habitats	Animals including Humans Animals Have Offspring Basic Needs of animals and humans Importance of Exercise, Diet and Hygiene	Use of Everyday Materials Suitability of Everyday Materials Changing Shapes of Solid Objects	Scientists & Inventors – Making connections over time	Plants How Seeds Grow How Plants Stay Healthy
Year 3	Why do people live near volcanoes?	Would I prefer to live in the Stone Age, Iron Age or Bronze Age?	Are settlements all the same?	Why did the Romans settle in Britain?	How different are the beliefs in Ancient Egypt ?	Who lives in the Antarctica? What is the problem with our world?
Science	Rocks Comparing Rocks, Fossil Formation	Light Light, Dark, Reflection, Shadows	Plants Functions, Requirements, Water Transportation, Life Cycle	Animals including humans Nutrition, Skeleton and Muscles	Forces & Magnets Movement on Surfaces, Magnets, Magnetic Materials	Scientists and their contributions to our world. Make Connections.
Year 4	What are rivers and how are they formed?	How have children's lives changed?	How hard was it to settle in Britain? Anglo Saxons & the Vikings	Where does our food come from?	Were the Vikings raiders or peace-loving settlers?	Why are rainforests important to us?
Science	States of Matter Solids, Liquids, Gases and Changes of State	Electricity Circuits, Conductors and Insulators	Animals including humans Digestive System, Teeth, Food Chains	Living things & their habitats Grouping, Classification, Environments	Sound Vibrations, Pitch and Volume	Living things & their habitats Environments & conservation
Year 5	Why is it important to explore Space?	Why do our oceans matter?	What is it like to live in Africa?	Why do people migrate?	What did the Greeks do for us?	Would you live in the desert?

Science	Space & Earth Movement of Earth and Moon, Spherical Bodies, day and Night	Living things & their habitats Life Cycles Animals Reproduction How are our actions having an impact?	Animals Including humans Changes in Humans to Old Age	Forces Gravity, Air Resistance, Water Resistance, Friction, Levers, Pulleys and Gears	Properties of Materials Investigate hardness, transparency and conductivity and consider how these properties influence the uses of materials.	Changes in Materials Grouping, Dissolving and Separating, Reversible and Irreversible Changes
Year 6	Why does population change?	WW2 – How did it impact -Our country, Our World?	Where does energy come from?	What does the census tell us about Liverpool?	Why did the Benin civilisation decline so quickly?	How do we help the world we live in to be more environmentally friendly?
Science	Light Light Sources, Travelling in Straight Lines, Reflections in Eye	Animals including humans Circulatory System, Heart, Blood, Diet, Exercise, Drugs, Lifestyle, Water Transportation	Electricity Impact of Cells, Symbols	Evolution & Inheritance Changes Over Time, Offspring, Adaptation to Environments	Living things and their habitats Classification based on Characteristics and Reasons For	Living things and their habitats Exploring why habitats have changed and are we responsible?