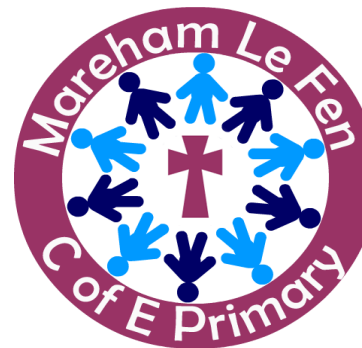


Science at Mareham Le Fen CofE Primary School

Science

At Mareham Le Fen, we want to encourage children to be inquisitive and naturally curious, asking probing questions and not being afraid to explore to find the answers. Science at our school fosters curiosity in children about our universe promoting respect for the living and non-living. We strongly believe that science is rooted in the acquisition of knowledge, concepts, skills and positive attitudes. The National Curriculum Science Programme of Study outlines what skills and knowledge children will acquire and develop throughout their Primary years. We passionately believe that not only should children have a sound knowledge and understanding of the concepts covered in the National Curriculum but also that the Working Scientifically skills are built-on and developed throughout their school career so that they can use equipment, conduct experiments, build arguments and explain concepts confidently and continue to ask questions and be curious about their surroundings. Children attending our school will leave knowing that they possess the skills to be the next Marie Curie, Stephen Hawking or Tim Peak!

*Tell me and I will forget,
Show me and I may remember,
Involve me and I will
understand.
-Aristotle-*



Science Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	
EYFS	Links to and included with ELG: Understanding the world - The world The world: Children know about similarities and difference in relation to places, objects, materials and living things. The talk about the features of their own environment and how environments might vary from one another.						
Years 1 & 2	A	Everyday materials (Y1) - Different materials and their characteristics	Seasonal Changes - Autumn to Winter	Animals including humans - Name and locate parts of the human body (senses)	Animals including humans - Identify common animal names	Plants (Y1) - Identify plants and describe basic structure	Seasonal changes - Spring to Summer
	B	Seasonal Changes - Different seasons	Everyday materials (Y2) - Identify and compare everyday materials	Animals including humans - Basic needs of animals for survival	Animals including humans - Importance of human exercise and healthy eating	Plants (Y2) - Observe how seeds and bulbs grow	Living things and their habitats (Y2) - Habitats, identify common plants and simple food chains
Years 3 & 4	A	Rocks - How fossils are formed	Electricity - Construct simple circuits	Forces and magnets - Simple forces and their effects	Forces and magnets - Simple forces and their effects	Living things and their habitats - The impact of changes in the environment	Plants - Describe main parts of a plant
	B	Animals including humans - Skeletons/ main parts of musculoskeletal system	Animal including humans - Teeth/ the digestive system	Sound - Vibrations, pitch and volume	Light - How light forms shadows	States of matter - Changes of state and the water cycle	States of matter - Changes of state and the water cycle
Years 5 & 6	A	Living things and their habitats - Main parts of a plant (reproduction)	Evolution and inheritance - How living things have changed	Earth and space - Relative movements of the sun, earth and moon	Forces - Gravity, air, water, resistance, friction and pulleys	Properties and changes of materials - Grouping and classifying materials	Properties and changes of materials - Changes of state
	B	Animals including humans - Reproduction and growth	Animals including humans - Circulatory system	Light - Why we see things	Electricity - Associating power changes with components	Living things and their habitats - Life cycles	Living things and their habitats - Classification and ordering groups