

Mengham Junior School: SCIENCE CURRICULUM 2023-2024



Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 3	<u>Magnets and their effects</u> -What magnets do -Magnets don't need to touch -Magnets attract and repel -What affects magnetic strength	<u>Animals: Skeletons & movement</u> -Skeletons protect vital organs -Skeletons support weight -Skeletons support movement	<u>Solids, Liquids & Gases</u> -Different types and properties of rock* -Properties of solids, liquids and gases. -Changing state -Melting, freezing, boiling and condensation temperatures -All about the water cycle	<u>How plants make their food</u> -How do plants make their food?	<u>Light</u> -Light and sight -What light does when it hits materials	<u>Rocks & Soils</u> -The different types of rocks -The properties of rocks -The structure of soils
Year 4	<u>Extra for 23/24: States of matter</u> -Different types and properties of rock* -Properties of solids, liquids and gases. -Changing state -Melting, freezing, boiling and condensation temperatures -All about the water cycle	<u>Mixtures and Separating them</u> -What mixtures are -What dissolving is -Separating mixtures -The structure of soils	<u>Animals: Digestion</u> -Food groups -Variation in animals' diet -How humans digest food	<u>How plants reproduce</u> -The reproductive parts of a flowering plant -All flowers are similar -Seed dispersal -What a seed does *plant life cycles – compare to trees	<u>Making electrical circuits work</u> -Electricity as a power source -What batteries do -Making devices work harder -Insulators and Conductors	<u>Living things and habitats</u> -Classifying living things -Life cycles -Environmental change
Year 5	<u>Fossils, geological time and classification</u> -Geological time -Evidence for evolution -Classification of life	<u>Space and Gravity</u> -Our solar system -What else is in our solar system? -Gravity and its effects	<u>Making new substances</u> -Reversible and irreversible changes	<u>Forces that oppose motion</u> -Water and air resistance -Friction -Managing forces	<u>Animals: Circulation</u> -Getting oxygen into the blood -The blood circulation model	<u>Animals: Human Development</u> Life cycles - Describe the changes as humans develop to old age. -Changes experienced in puberty
Year 6	<u>How light behaves and how we see</u> -How light travels -How light behaves when it hits objects -How we see	<u>Extra for 23/34: Fossils, geological time and classification</u> -Geological time -Evidence for evolution -Classification of life	<u>Classification and Evolution</u> - Natural selection -How Charles Darwin discovered the process of Evolution by Natural selection	Extra for 23/24: <u>Forces that oppose motion</u> -Water and air resistance -Friction -Managing forces	<u>Controlling electrical circuits</u> -Pushing electrical current -Electrical current -Electrical resistance	<u>Sound</u> -Describing sound -How sound is made and travels -Pitch and volume changes