



## Raughton Head CE Primary School - Science Curriculum Yearly Overview

2024-2025	Autumn	Spring	Summer
Class 1 (EYFS/Year 1)	<p>Properties of everyday materials</p> <p>Investigate: What keeps us dry? How does it feel?</p>	<p>Seasonal changes</p> <p>Investigate: How do you make bread? How does it move?</p>	<p>Plants and Animals</p> <p>Investigate: Whose poo? Why do we have teeth?</p>
Class 2 (Year 2/Year 3)	<p>Exploring habitats, living and non-living things, identifying plants and animals in a habitat, animal shelter and food, food chains, animal adaptations, camouflage investigation, plant adaptations.</p> <p>Human life cycle, human needs for health and survival, healthy lifestyle, bodily hygiene routines, handwashing investigation, how germs spread.</p>	<p>Compare and group rocks, describe how fossils are formed, investigate soils from the local environment.</p> <p>Friction, force meters, bar charts, non-contact forces, magnetism, magnetic attraction and repulsion, magnetic fields, magnetic properties, magnetic Earth, uses of friction and magnetism.</p>	<p>Habitats, invertebrates, microhabitats, animal needs for survival, food chains, human impact, animal offspring, lifecycles, seasonal changes in animals, habitat improvements.</p>
Class 3 (Year 4/5/6)	<p>Light facts; How light travels; Light, sight and the human eye; Visible light;</p>	<p>Contact and non-contact forces; Gravity; Mass and Weight; Discovering</p>	<p>Food chains and webs; Life cycles; Plant reproduction; Growing plants;</p>

	<p>Perceiving colour; Shadows; Reflections; Plane, concave and convex mirrors; Measuring light; Refraction; Five kingdoms, microorganisms and viruses; Classifying fossils; Theory of evolution and evolutionary tree diagrams; Inheritance and variation - continuous and discontinuous variation; Natural selection and survival of the fittest; Adaptations in birds' beaks; Adaptations in plants; Artificial selection; Testable hypothesis Working scientifically - Identifying and classifying; Comparative tests; Pattern seeking; Research</p>	<p>gravity - important scientists; Friction; Air resistance; Water resistance; Mechanisms - levers, pulleys, gears; Investigating forces and mechanisms; The Solar System; Scientists of the past who discovered how the Solar System works; The Earth, Sun and Moon; Planets and stars are spherical; Daytime and night time; Sundials; Day length and the seasons; Times of the day around the world; The phases of the Moon; Lunar and solar eclipses Working scientifically - Identifying and classifying, Observing changes over time, Comparative tests, Research, Pattern seeking</p>	<p>Modern farming; Animal life cycles; Stages and processes; Classifying mammals; Mammalian life cycles; Interpreting scatter graphs; Human life cycle; Human gestation stage; Human juvenile stage; Human adolescent stage; Puberty; Venn diagrams; Interpreting line graphs; Human sexual reproduction; Human ageing; Working scientifically - Observing changes over time, Identifying and classifying, Pattern seeking, Comparative test, Research</p>
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