

# Fairisle Junior School Science Curriculum Overview – 2022-2023

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Year 3</b>	<b>Animals and Humans:</b> Nutrition, eating & the function of skeletons & muscles	<b>Forces and Magnets:</b> Comparing how things move on different surfaces, exploring different forces including magnets	<b>Rocks:</b> Comparing & grouping rocks according to appearance & properties, different soils & fossil formation		<b>Plants:</b> Functions of different parts of a plant, life & growth, water transportation & the life cycle of flowering plants	<b>Light:</b> Reflections, the danger of the sun, shadow formation, patterns & sizes
<b>Year 4</b>	<b>Sound:</b> How sounds are made – vibrations, the ear, patterns between pitch & volume and features of objects	<b>States of Matter:</b> Comparing and grouping materials including solids, liquids & gases, observing changes of state when heated/cooled, evaporations and condensation in the water cycle	<b>Living Things and Their Habitats:</b> Classification keys, changing environments & the dangers to living things	<b>Animals (including humans):</b> Constructing and interpreting food chains, identifying producers, predators and prey	<b>Animals (including humans):</b> Functions of the digestive system in humans, different types of teeth and their functions	<b>Electricity:</b> (Crumble) Identify electricity in the home, construct circuits including switches & explore conductors and insulators
<b>Year 5</b>	<b>Earth &amp; Space:</b> Describing the movement of the Earth – Sun & Solar System, Moon, describing the Sun, Earth & Moon, linking Earth's rotation to day & night  <b>Forces:</b> Gravity	<b>Living things and their habitats:</b> Differences in the life cycles of mammals, amphibians, insects and birds  Life process of reproduction in plants and animals	<b>Animals, including humans:</b> The changes humans develop to old age	<b>Properties and changes of materials:</b> Comparing and grouping materials based on their properties Separating mixtures using knowledge of solids, liquids and gases, Changes of state (reversible changes)		<b>Forces:</b> Identifying the effects of air resistance, water resistance & friction that act between moving surfaces, recognising that some mechanisms allow smaller force to have greater effect
<b>Year 6</b>	<b>Animals including humans:</b> Circulatory System Impact of diet, exercise, drugs and lifestyle Transportation of nutrients and water within animals  Journey of a red blood cell	<b>Electricity:</b> Voltage of cells in a circuit Comparing and giving reasons for variations in how components function, Symbols of circuit diagrams	<b>Living things and their habitats:</b> Classification of living things according to observable characteristics and similarities and differences Reasons for classifications	<b>Evolution and inheritance:</b> Information from fossils Offspring of the same kind Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution	<b>Light:</b> How light travels in straight lines How light is reflected How we see and how shadows are created  <b>Animals including Humans:</b> Drugs (PSHE)	