


# YEAR 4 SCIENCE CURRICULUM

	<p>hardness, reaction, bar chart, pictogram, data, increase, decrease, prediction, dissection, scales, filter paper, filter funnel, measuring cylinder, thermometer, conclusion, evaluation, data, volume, decibel, meter, stopwatch, beaker, temperature, Petri dish, block chart, bar graph, classifying, classification key</p>	<p style="text-align: center;"><b>Exposure words</b></p> <p>fair test, identify, group and classify, model, modelling, investigate, changed, measured, stayed the same, millimetres, millilitres, data logger, tape measure, features, scientists, diagram, sorting diagram, block diagram, distance, results</p>
---	--	---

<b>4</b>	<b>Autumn 1</b>		<b>Autumn 2</b>	<b>Spring 1</b>
	<b>Grouping and Classifying</b>	<b>Data Collection</b>	<b>States of Matter</b>	<b>Sound</b>
<b>Key Learning</b>	<p>How can animals be grouped? What are vertebrates and invertebrates? What are classification keys? How can plants be grouped? Can I use a classification key?</p>	<p>Can I collect data? Can I analyse data?</p>	<p>What are solids, liquids and gases? Why are some materials difficult to categorise? How can solids, liquids and gases change state? Which materials melt? What is the water cycle?</p>	<p>What are vibrations? How does the ear work? Can I investigate sounds? Can I explore volume? Can I explore pitch?</p>
<b>Skills</b>	<p>Gather, record and classify data Ask questions Present findings</p>	<p>Gather, record and classify data</p>	<p>Gather, record and classify data Make observations Ask questions Plan Answer questions and make conclusions</p>	<p>Ask questions Gather, record and classify data Make observations Plan Answer questions and make conclusions</p>
<b>Vocabulary</b>	<p>vertebrate, invertebrate, soft bodied invertebrate, flowering plant, non-flowering plant, seasonal changes, natural resources, rewilding, nature reserve,</p>		<p>solid, liquid, gas, states of matter, pouring solid, ooblek, flow, freezing, melting, boiling, condensation, evaporation, melting point, water cycle, precipitation, atmosphere, petri dish</p>	<p>vibration, sound, volume, pitch, outer ear, ear bones, cochlea, ear drum, ear canal, decibel, insulate, high-pitched, low-pitched, background noise</p>

# YEAR 4 SCIENCE CURRICULUM

<b>4</b>	<b>Spring 2</b>	<b>Summer 1</b>		<b>Summer 2</b>
	<b>Electricity</b>	<b>Data Collection</b>	<b>Habitats and food chains</b>	<b>Digestive System</b>
<b>Key Learning</b>	<p>What appliances use electricity?            How do I build and draw series circuits?            What has gone wrong with a circuit?            What are conductors and insulators?            What materials are conductors or insulators of electricity and is there a pattern?</p>	<p>Can I collect data?            Can I analyse data?</p>	<p>Can I identify living things and their habitats?            Can I classification keys to sort animals?            Can I use classification keys to sort plants?            What impact do humans have on habitats?                What is a food chain?            Can I interpret a food chain?            Can I draw a food chain?            What would happen if an element in the food chain were to change?</p>	<p>How do omnivores, carnivores and herbivores teeth differ?            What teeth do humans have?            What are the layers of a tooth?            What is the digestive system?            What are the organs in the digestive system?</p>
<b>Skills</b>	<p>Gather, record and classify data            Answer questions and make conclusions            Ask questions</p>	<p>Gather, record and classify data</p>	<p>Ask questions            Gather, record and classify data            Present findings            Answer questions and make conclusions            Present findings</p>	<p>Make observations            Ask questions            Plan            Gather, record and classify data            Present findings            Answer questions and make conclusions</p>
<b>Vocabulary</b>	<p>appliances, plug, socket, cell, electrocuted, circuit, switch, battery, buzzer, conductor, insulator</p>		<p>vertebrate, invertebrate, softbodied invertebrate, flowering plant, non-flowering plant, seasonal changes, natural resources, rewilding, nature reserve, producer, consumer, prey, predator, farming, overfishing, hunting</p>	<p>incisors, canines, premolars, molars, enamel, root, decay, digestive system, mouth, oesophagus, stomach, small intestine, large intestine, rectum, saliva</p>
	