

Year Four Key Knowledge

Animals including humans – Digestive System & Food Chains	Sound	States of matter – Solids, Liquids & Gases	All living things and habitats- Classification & Habitats	Electricity - Circuits & Components
Label the digestive system	Sound is made when something vibrates	A solid is rigid with a fixed shape and volume. Its molecules are tightly packed.	The 7 life processes are movement, respiration, sensitivity, growth, reproduction, excretion, nutrition	Appliances run on electricity
Sequence of the digestive system	Sound travels in straight lines	A liquid is not rigid with no fixed shape and volume. Its molecules are many but can move about	A vertebrate has a spine and an invertebrate does not	Know and label electrical symbols
Label the types of teeth	The further the distance the lower the volume	A gas is not rigid with no fixed shape and volume. Its molecules are spaced far apart and can move freely	Use simple classification tables	Create simple circuits
A food chain contains the sun, producers, primary consumer, secondary consumer, tertiary consumer, decomposer	Label the parts of the ear	Materials such as water can change between a solid, liquid and gas	Create simple classification tables	A circuit will now work when it is complete, closed and has a power source
Sequence food chains	Sound is measured in pitch (how high or low a sound is) and amplitude (the volume)	Label and explain the water cycle – collection, evaporation, condensation, precipitation	Plastic pollution, deforestation, volcanoes & urbanisation changes and effects the habitats where animals live	An insulator will not allow electricity to pass through it and a conductor allows electricity to pass through it

Key Vocabulary & Definitions

<p>Digestive system –, oesophagus, stomach, acid, small & large intestine, absorb, ingest, egest, faeces, break down, surface area Protein, vitamin, mineral, carbohydrate, fats, energy, growth, repair. Saliva</p> <p>Teeth – Incisors: snipping and cutting. Molars: grinding, crushing and chewing. Canines: ripping and tearing. dental</p> <p>Food chain – producer, consumer, predator, prey, herbivore, carnivore</p>	<p>Ways to create sound – bang, blow, shake, and pluck</p> <p>Loudness – quiet, quieter, quietest, loud, louder and loudest</p> <p>Pitch - low, lower, lowest, high, higher, and highest</p> <p>Vibrations</p> <p>Source</p> <p>Sound, Ears, Noise, Loud, Quiet, Silent, Air, Water, Solid, Sound Waves, Particles, Travel, frequency, amplitude, pitch, muffle,</p>	<p>States of matter - Solid, liquid and gas</p> <p>Examples of gases (at room temperature and pressure) – Oxygen, hydrogen, helium, carbon dioxide, methane</p> <p>Examples of liquids (at room temperature and pressure) – Water, milk, juice, petrol, oil</p> <p>Examples of solids (at room temperature and pressure) – Wood, rocks, metal, plastic, glass, wool, leather, etc</p> <p>Processes – Melting, condensation, evaporation, solidifying, freezing</p> <p>Water cycle</p>	<p>Habitat, micro habitat</p> <p>Pond, meadow, log pile, woodland, river, lake, beach, cliff</p> <p>Organism – plant, animal</p> <p>Trees - deciduous, evergreen, ash, birch, beech, rowan, common lime, oak, sweet chestnut, horse chestnut, apple, willow, sycamore, fir, pine , holly</p> <p>Wild flowering plants - cleavers, coltsfoot, daisy, dandelion, garlic mustard, mallow, mugwort, plantain, red clover, self heal, shepherd’s purse, sorrel, spear thistle, white campion, white deadnettle and yarrow.</p>	<p>Electricity</p> <p>Appliances: fridge, freezer, TV, computer, iron, kettle, etc</p> <p>Series circuit</p> <p>Components: battery, bulb (lamp), bulb (lamp) holder, buzzer, crocodile clip, leads, wires, switch</p> <p>Describing words: brighter, duller, slow, fast, quiet, loud</p> <p>Conductor, insulator</p> <p>Effects of electricity: Light, sound, movement, heat</p> <p>Switches – open, close</p>
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

		Water vapour Steam Heating Cooling	Garden plants – crocus, daffodil, bluebells Parts of plants – roots, branch, trunk, stalk, leaf, flower, petal, seeds, bulbs and twigs Invertebrates – snail, slug, woodlouse, spider, beetle, fly, etc Pond animals – pond skater, water sater, ramshorn snail, pond snail, leech, common frog, smooth newt	
--	--	---------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--