

Scientific Vocabulary

Bold italic text indicates vocabulary from the statutory requirements. * indicates vocabulary seen in previous year groups. Plain text indicates vocabulary included in the non-statutory guidance

	<u>Reception</u>	<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>	<u>Year 4</u>	<u>Year 5</u>	<u>Year 6</u>
<u>Working Scientifically</u>	Look Group Notice Record- Picture/photo graph/mark making Describe Wonder Label	Questions Answers Equipment Observe Observing Gather Measure Record Identify Classify Group Record - Diagram, chart, map Data Compare, contrast Describe Biology Chemistry Physics		Research – Relevant questions Scientific enquiry Comparative and fair test Systematic, careful observation Accurate measurements Equipment – thermometer, data logger Data – gather, record, classify, present Record – drawings, labelled diagrams, keys, bar, charts, tables Oral and written explanations Conclusion Predictions Differences Similarities, changes Evidence Improve Secondary sources Guides, keys Construct interpret		Plan Variables Measurements Accuracy Precision Repeat readings Report data – Scientific diagrams, labels, classification keys, tables, scatter graphs, bar graph and line graphs Predictions Further comparative and fair test Report and present – Conclusions, causal relationship, explanations, degree of trust, oral and written display and presentation. Evidence – support, refute ideas or arguments Identify, classify and describe Patterns Systematic Quantitative measurements	



	<u>Reception</u>	<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>	<u>Year 4</u>	<u>Year 5</u>	<u>Year 6</u>
<u>Biology</u> <u>Plants</u>	seeds soil water sun grow plants –(name some common) flowers weeds trees	Identify Name Wild plants Garden plants Deciduous Flowering plants Trees Leaves Flowers Blossom Petals Fruit Roots Bulb Seed Trunk Branches Stem	Observe * Describe Seeds Bulbs Mature plants Plants * Water Light Suitable temperature Healthy * Germination Growth Survival Reproduction	Identify * Describe * Function Flowering plants * Roots * Stem * Trunk Leaves * Flowers * Air * Light * Water * Nutrients Transported Life cycle Pollination Seed formation Seed dispersal Structure support Job Nutrition Reproduction *			

Animals	Human	Identify	Humans	Identify *	Describe *	Describe *	Identify *
Includin	Child	Name	Offspring	Humans *	Function *	Changes *	Name *
g	Baby	Animals	Grow	Animals *	Digestive	Humans *	Human *
Humans	Parents	Fish	Adults	Nutrition *	system	Old age	Circulatory
	Mum, dad,	Amphibians	Animals *	Food*	Humans *	Develop	system
	brother, sister	Reptiles	Survival *	Skeleton	Construct	Timeline	Functions *
	Extended	Birds	Water *	Muscles	Interpret	Stages	Heart
	family	Mammals	Food	Support	Food chains *	Growth *	Blood vessels
	members	Pets	Air	Protection	Producers	Puberty	Blood
	Body	Human body	Exercise	Movement	Predators	Gestation	Impact *
	Head	Sense	Hygiene	Diet	Prey	period	Diet *
	Neck	Care of	Reproduction *	Food groups	Mouth		Exercise *
	Arms	animals	Growth *	Function *	Tongue		Drugs
	Elbow	Habitat	Egg /chick/ chicken		Teeth		Lifestyle
	Legs	Local	egg/caterpillar/pupa/b		Oesophagus		Function *
	Knees	environment	Spawn/tadpole/frog		Stomach		Nutrients
	Ears	Head	Lamb/sheep		Small		Water *
	Face	Neck	Baby		intestine		Transported
	Eyes	Arms	Toddler		Large		Animals *
	Hair	Elbow	child		intestine		Humans *
	Mouth	Legs	Teenager		Herbivores		Skeletal system
	Teeth	Knees	Adult		Carnivores		*
		Ears					Muscular
		Face					system *
		Eyes					Digestive
		Hair					system *
		Mouth					Healthy
		Teeth					*
							Substan
							ces
							harmful

<u>Seasons</u> <u>I Change</u>	Autumn Winter Spring Summer Weather Rain – showers, drizzle Snow/hail Ice/frost Sun Leaves Colours Conkers	Observe Changes Four seasons Weather Day length					
<u>Living</u> <u>things</u> <u>and</u> <u>their</u> <u>habitats</u>	Home House Rochdale Castleton Dry Warm Damp Mud		Explore Compare Living Dead Never been alive Habitats * Animals * Plants * Micro-habitats Food chain food Characteristics Alive Healthy Woodland Ocean Seashore Rainforest		Living things Explore * Classification keys Group Identify * Local environment Wider environment Danger Plants * Animals * Habitat * Flowering plants * Non-flowering plants	Describe * Differences Life cycle * Mammal * Amphibian * Insect * Bird * Life processes Plants * Animals * Local environment * Naturalists Animal behaviourists David Attenborough	Describe * Living things * Classified * Classifying Groups * Common Observable features Characteristics Similarities Differences * Micro- organisms Plants * Animals * Classification system

				Group Poles Predict Strength Everyday uses		Gears Smaller Greater Effects	
<u>Sound</u>	Noise Loud Quiet Soft Gentle Bang Beat Whisper shout				Vibrate Ear Pitch Sound Volume Pattern Strength Feint Source Musical instruments Insulation		
<u>Electricity</u>					Common appliances Electricity Simple series circuit Cells Wires Bulbs Switches Buzzers Lamp Switch Open Closed Conductors Insulators		Brightness Lamp Volume Buzzer * Voltage Cells * Circuit * Component * Variation Loudness Symbols diagram systematic ally Safety



					Components Motors Safety Simple devices		Changing
<u>Earth and Space</u>	Earth Space Rocket Sun Moon				<i>Movement</i> <i>Earth</i> <i>Planets</i> <i>Sun</i> <i>Solar system</i> <i>Moon</i> <i>Spherical</i> <i>Rotation</i> <i>Day</i> <i>Night</i> Mercury Venus Earth Mars Jupiter Saturn Uranus Neptune moons Celestial body orbit Safety Astronomical clocks Sundials Calibration		