

St George's Central CE Primary School and Nursery

Progression of Science Vocabulary 2024-2025

Nursery	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	Additional Nursery Science knowledge and skills vocabulary
	Why am I special?	How can I see in the dark?	Is it raining today?	Is the grass starting to grow?	What are the wonders of Tyldesley?	Where are you going?	
	body head arms legs face hair	dark light sun moon stars torch lamp	weather rain wet puddle clouds Winter	growing bud bulbs flower Spring	fields roads buildings brick glass tiles wood	land sea sand shells pebbles waves Summer	look touch feel listen think talk about
	What happens in Autumn?	Why are babies wonderful?	Why are my fingers cold?	What comes out of an egg?			
	trees leaves colour Autumn	baby born mummy daddy brother sister	snow ice frost hailstones cold melt hands thumbs fingers feet toes	egg crack size chick duckling crocodile snake			

'Never settle for less than your best'

Reception	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	Additional Reception Science knowledge and skills vocabulary
	What makes me marvellous?		How has Tyldesley changed in 50 years?	What are the secrets of the Garden?	What lives in the Blue Planet?		
	similar different senses growth healthy unhealthy		rock stone old young age bones decay teeth	mini beasts tree bark branches leaf flower stem seed garden living insect wings pattern habitat	ocean pollution recycling sea life man-made natural globe		observe monitor predict review
Year 1/2	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	Additional Year 1/2 Science knowledge and skills vocabulary
	What plants and animals live in our local environment?	Which body parts help us to see, smell, hear, taste and touch?	What different materials are objects made from?	How do seeds and bulbs grow?		How does the weather change through the seasons?	
	roots crown deciduous evergreen blossom bulb trunk stem woodland habitat oxygen stable nutrients seasons fruit bearing minerals	senses see smell taste hear touch body parts sensory sour sweet salty eyes nose ears mouth hands taste buds environment	material wood plastic metal liquid gas stretch stiff bend waterproof shiny hardness moulded flexible twisted natural man-made	buds bulbs deciduous evergreen trunk vegetable wild plant environment blossom petals branches leaf flower shoot seed		Autumn Spring Summer Winter Fall weather temperature thermometer weather symbol deciduous coniferous growth hottest coldest daily season	asking questions close observation perform simple tests identify classify suggest gather record data predict explain fair test conclusion

'Never settle for less than your best'

Jesus said, 'I am the light of the world. Whoever follows Me will not walk in darkness, but will have the light of life.' John 8:12

Year 3/4	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	Additional Year 3/4 Science knowledge and skills vocabulary
	Why do we need a skeleton?	What are the components of a simple circuit?	What are the functions of the parts of a flower?		How can animals be classified in our local and wider environment?	How are shadows formed?	
	nutrition skeleton muscles diet joint pelvis cartilage rib cage tendon spine backbone food groups growth protect heart lungs brain movement internal organs support function skeleton parts	circuit buzzer conductor battery cells switch socket appliance series circuit insulator flow electrical current component chemical energy make break alternating current wire bulb open circuit closed circuit	roots stem nutrients pollination seed dispersal fertiliser seed formation stigma anther soil shoots leaves male female air water growth flowering plants transported life cycle		producer predator prey food chain vertebrate invertebrate classification characteristics environmental change organisms endangered species photosynthesis food source animal backbone living things warm-blooded cold-blooded	reflection shadows light source opaque refraction periscope concave convex shadow sunlight refelected absence of light transparent	ask relevant questions scientific enquiry fair test comparative practical enquiry systematic careful observation accurate equipment data loggers thermometers gather record classify present data results conclusions improvements further questions similarities differences change scientific process scientific evidence predict variable

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Year 5/6	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	Additional Year 5/6 Science knowledge and skills vocabulary
	What is the effect of changing a component in a circuit?	Can we separate a mixture of solids, liquids and gases?	How does light travel?	How do plants and animals reproduce?	How do plants and animals adapt to survive?		
	conductor insulator series circuit socket cells volts generator turbine fuses power supply wire bulb motor buzzer switch brightness voltage component recognised symbol Thomas Edison	solubility melting filtering thermal evaporation dissolve separate condensation solution molecular structure substance solute solvent particles evaporation changing state droplets humid cold surface water vapour sieving	light wave light source concave convex filters lens retina cornea iris pupil optic nerve energy transparent opaque translucent refract reflect light rods muscle mediums air water glass straight line	puberty gestation classification precision reproduction teenager obese toddler embryo childhood adulthood conception plant animal organism sperm cell egg fertilisation life cycle mammal amphibian reptile bird stages of growth	off-spring adaptaion evolution inheritance genes chromosomes syndrome genotype palaeontologist characteristic identical non-identical developed fossil remains traits DNA cells physical features dominant recessive Charles Darwin	planning scientific enquiry variables recognise control take measurements scientific equipment accuracy precision repeat findings record data results predictions comparative fair tests report present conclusion casual relationships scientific evidence support refute arguments ideas explanations variable	

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Progression of Science Vocabulary 2025-2026

Nursery	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	Additional Nursery Science knowledge and skills vocabulary
	Why am I special?	How can I see in the dark?	Is it raining today?	Is the grass starting to grow?	What are the wonders of Tyldesley?	Where are you going?	
	body head arms legs face hair	dark light sun moon stars torch lamp	weather rain wet puddle clouds Winter	growing bud bulbs flower Spring	fields roads buildings brick glass tiles wood	land sea sand shells pebbles waves Summer	look touch feel listen think talk about
	What happens in Autumn?	Why are babies wonderful?	Why are my fingers cold?	What comes out of an egg?			
	trees leaves colour Autumn	baby born mummy daddy brother sister	snow ice frost hailstones cold melt hands thumbs fingers feet toes	egg crack size chick duckling crocodile snake			

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Reception	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	Additional Reception Science knowledge and skills vocabulary
	What makes me marvellous?		How has Tyldesley changed in 50 years?	What are the secrets of the Garden?	What lives in the Blue Planet?		
	similar different senses growth healthy unhealthy		rock stone old young age bones decay teeth	mini beasts tree bark branches leaf flower stem seed garden living insect wings pattern habitat	ocean pollution recycling sea life man-made natural globe		observe monitor predict review
Year 1/2	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	Additional Year 1/2 Science knowledge and skills vocabulary
	What different groups do animals belong to?	What material is best for.....?	What do we need to grow and stay healthy?		How do plants and animals obtain their food?	Why do some objects float?	
	fish amphibians reptiles birds mammals carnivore herbivore omnivore tame wild nocturnal	metal plastic wood squashing bending twisting stretching material natural man-made transparent Charles Macintosh John Dunlop John McAdam	healthy diet off-spring exercise proteins carbohydrates fats nutrition survival hygiene sleep energy alive		dinosaur indigenous rivers woodland pond sea rainforest desert species microhabitats habitat food source water	float sink prediction density buoyant surface water liquid object	asking questions close observation perform simple tests identify classify suggest gather record data predict explain fair test conclusion

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Year 3/4	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	Additional Year 3/4 Science knowledge and skills vocabulary
	Will we ever see the food we eat again?	Is it a solid, a liquid or a gas?	How are rocks formed?	Which materials are attracted to a magnet?	What does a healthy diet look like?	How does sound travel?	
	digestive system pancreas oesophagus intestine salivary gland organ molars canine food chain producer predators prey function	solid liquid gas lava matter substance evaporation water vapour condensation precipitation water cycle particles substance droplets river lake sea	fossil soil crystals sedimentary metamorphic igneous magnetic pole organic matter attract repel dead organism deposit permeable impermeable porous	friction surface magnet magnetic magnetic field poles repel attract forces object push pull motion gravity	nutrition vitamin minerals protein carbohydrates saturated fats unsaturated fats balanced diet fibre water energy healthy growth repair sugars digest	vibrating pitch volume insulation inner ear middle ear outer ear cochlea auditory frequency hammer sound wave air loudness transmission source object	ask relevant questions scientific enquiry fair test comparative practical enquiry systematic careful observation accurate equipment data loggers thermometers gather record classify present data results conclusions improvements further questions similarities differences change scientific process scientific evidence predict variable

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Year 5/6	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	Additional Year 5/6 Science knowledge and skills vocabulary
	Who is Carl Linnaeus?	How do chemists create new materials?	How do forces effect how objects fall?	Which everyday objects use magnets?	Why do we have day and night?	How does diet, drugs, exercise and lifestyle impact on our bodies?	
	micro-organism vertebrate invertebrate species fungi monera bacteria protista algae Carl Linnaeus taxonomy classification characteristics organism multi-cellular vascular non-vascular warm-blooded cold-blooded backbone reproduce	solubility conductivity transparency thermal evaporation dissolve bicarbonate of soda thermal filtering melting separate solute solvent solution evaporation condensation water vapour temperature absorb particles reversible irreversible sieving	friction gravity air resistance water resistance levers pulleys gears parachute Isaac Newton Newtons force Galileo push pull surface resistance magnetic force	magnetic pole attract repel gravity permanent magnet temporary magnet compass strength Earth's surface	orbit solar system astronomical planet rotation spherical crescent moon gibbous moon eclipse lunar celestial body repeating path asteroids moons comets galaxies sun Earth day night Neil Armstrong	blood vessels drugs atriums cardiovascular ultrasound cardiologist capillaries pulse ventricles heart chemical healthy nutrients oxygen cells blood disease tissue waste products chambers pump beat circulatory system function exercise William Harvey	planning scientific enquiry variables recognise control take measurements scientific equipment accuracy precision repeat findings record data results predictions comparative fair tests report present conclusion casual relationships scientific evidence support refute arguments ideas explanations variable

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