

# Science Vocabulary Progression

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Seasonal Change	season Spring Summer Autumn Winter weather seasonal rain storm thunder temperature wind cool wet dry tree cold snow frost ice freeze shiver hat scarf gloves coat light sunrise dark sunset hibernate warm					

# Science Vocabulary Progression

	sun leaves blossom hot draught heatwave					
<b>Materials</b>	wood metal plastic clay sand glass rock brick paper fabric elastic rubber wool cotton natural man-made hard/soft stretchy/stiff shiny/dull rough/smooth bendy/rigid waterproof absorbent opaque transparent floats sinks	grouped classified material wood plastic paper fabric glass metal cardboard rubber manufacture use properties stiff strong opaque waterproof lightweight flexible hard-wearing stretchy absorbent transparent shiny dull squash			physical properties resistance deformation substance absorb(ing/tion) conductor insulator thermal electrical thermal conductivity thermal insulator, thermal conductor electrical conductivity electrical insulator electrical conductor magnet magnetism magnetic non-magnetic solubility solute solvent solution dissolve suitability solid liquid	

# Science Vocabulary Progression

	<p>suitable unsuitable</p>	<p>bend twist stretch suitability recycle reuse</p>			<p>mix separate sieving filtration filter paper soluble insoluble saturated evaporation condensation gas acid alkaline bicarbonate of soda reversible irreversible burn(ing) combust(ion/ing) hazardous heat(ing/ed) cool(ing/ed) changing state melting cooling thawing temperature thermometer</p>	
<p>Animals inc. Humans</p>	<p>animal human bird mammal fish amphibian</p>	<p>baby offspring new-born parent growth toddler</p>	<p>Bones Muscles Skull Ribs Skeleton Support</p>	<p>skeletal system skeleton digestion teeth milk teeth adult teeth</p>	<p>Reproduction adult humans offspring male female</p>	<p>heart blood blood vessel tissue vein artery(ies)</p>

## Science Vocabulary Progression

	reptile Pets wild gills tentacle scales nose spine fur wings beak claw eyes ears tail tusks fins feathers trunk shell mouth hair foot head eyes ears teeth leg elbow shoulders thumb knee nose	child teenager adult elderly care characteristics basic needs survive water food air dehydrated nutrients balanced diet healthy fit unfit fitness exercise heart rate pulse tired sweat thirst hygiene illness germs bacteria disease	Protection movement herbivore carnivore omnivore teeth canine incisor molar diet	wisdom teeth incisors canines premolars molars jaw tongue gum digestive system oesophagus stomach small intestine liver pancreas gallbladder large intestine colon rectum saliva salivary gland stomach acid bile fats toxins vitamins minerals enzymes proteins carbohydrates faeces stool anus food chain	sex cells sperm egg fertilisation foetus uterus prenatal gestation baby birth growth development infancy childhood adulthood adolescence puberty menstruation breasts scrotum testes penis larynx armpits pubic hair sweat glands fitness strength life expectancy	capillary(ies) pulse oxygenated deoxygenated vitamin mineral sugar fat protein water digestion absorbed small intestine energy body mass index moderation balanced diet drug medication chemical alcohol tobacco nicotine addiction liver kidney toxin
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# Science Vocabulary Progression

	<p>toes fingers hand touch smell taste sight hearing fingers nose tongue carnivore herbivore omnivore</p>			<p>producer consumer predator prey</p>		
Plants	<p>daffodil tulip, sunflower rose nettle dandelion daisy thistle oak conifer birch hawthorn bramble weed leaf flower blossom petal fruit root trunk</p>	<p>Seed Bulb plant soil conditions growth chalky clay loamy peaty sandy silty roots anchor nutrients water healthy transport stem</p>	<p>absorb temperature nutrients air space conditions transportation evaporates flowering flower petal germination pollination pollen pollinator stamen anther filament stigma</p>			

# Science Vocabulary Progression

	branch stem thorn hair cacti root structure deciduous evergreen seed bulb	trunk light space temperature sunlight pollination pollinator insect life cycle pollination fertilisation seed production seed dispersal germination sprout shoot	carpel style ovary ovule sepal fertilisation seed formation seed dispersal			
Living Things and their Habitats		living things habitat micro-habitat environment living dead never been alive extinct similarity difference life processes movement respiration sensitivity growth reproduction excretion		seed-baring spore-baring vascular non-vascular classification key adaptation characteristic vertebrates invertebrates backbone mammals fish birds reptiles amphibians molluscs annelids	Reproduction Species extinct mammal sexual sperm fertilise egg cell gestation life cycle embryo foetus adolescent amphibian metamorphosis larva	organism, microorganism, microscope decay disease illness taxonomist taxonomy classification classify vertebrates invertebrates Carl Linnaeus taxonomic system species genus family order

# Science Vocabulary Progression

		<p>nutrition          basic needs          air          water          food          survival          food source          suited          adaptation          producers          consumers          predators          prey          food chain</p>		<p>insects, arachnids          crustaceans          herbivore omnivore          carnivore          deforestation          season          natural disaster          tsunami          flooding          bushfire          wildfire          earthquake          endangered          extinct</p>	<p>pupa          embryo          asexual reproduction          fertilising          stamen          pollen          anther          filament          pistil          stigma          style          ovary          ovule          petal          sepal          bud          pollination fertilisation          seed production          seed dispersal          germination</p>	<p>class          bacteria          archaea and eukaryotes          animals          plants          fungi          protists          prokaryotes</p>
<p>Forces          and          Magnets</p>			<p>motion          movement          force          direction          push          pull          opposing force          Newtons          speed          surface          smooth          rough          friction</p>		<p>Kilogram          gram          weight          newton          gravity          Earth          air resistance          aerodynamic          water resistance          streamlined          buoyant          float          upthrust</p>	

# Science Vocabulary Progression

			resistance contact force non-contact force magnetism magnet magnetic magnetic field attract pole north south repel		friction motion pulley load gear cog speed lever pivot spring squash stretch	
Light			Light Vision Reflect surface smooth shiny flat light source mirror dark senses Sun Source Emits lightening light bulb candle fire screen brightness dim			light energy waves source travel beam ray reflected incident ray reflected ray transparent translucent opaque shadow angle elongated shortened reflection visible light spectrum prism



# Science Vocabulary Progression

			night daylight eyes retina pupil UV (ultraviolet) shadow transparent translucent opaque shade			refraction
Rocks			Rock Crust Mantle outer core inner core igneous sedimentary metamorphic concrete brick stone hardness texture igneous rock magma lava pumice granite basalt sedimentary rock sediment chalk shale			

# Science Vocabulary Progression

			<p>sandstone  limestone  marble  slate  permeable  impermeable  palaeontology, fossil  remains  organism  fossilisation  decompose mineral  erosion weathering  organic matter  composition  topsoil  subsoil  bedrock  clay soil  chalky soil  peat soil</p>			
Sound				<p>Vibration  Ear  hearing sound  vacuum  sound wave  outer ear  ear canal  eardrum middle ear  hammer anvil stirrup  inner ear cochlea  electrical signal  brain auditory nerve  sense</p>		

# Science Vocabulary Progression

				insulator soundproof pitch volume amplitude decibel frequency instrument tension length strings plucked		
States of Matter				Substance states of matter solid liquid gas properties helium carbon dioxide oxygen propane flow shape volume viscosity particles plastic metal rock temperature thermometer cooling freezing melting		

# Science Vocabulary Progression

				melting point reversible irreversible evaporation heating iodine rate of evaporation boiling point water vapour steam condensation transpiration infiltration runoff absorption atmosphere precipitation steam river lake ocean water cycle		
Electricity				electricity appliance lightning static electricity power station fossil fuel solar geo-thermal wind hydro tidal biomass nuclear circuit		open switch closed switch motor buzzer voltmeter cell battery circuit component appliance series circuit battery mains brightness

# Science Vocabulary Progression

				battery cell motor bulb buzzer wires current switch mains voltage plug terminal hazard risk remote control clock insulators conductor copper silver aluminium steel lead plastic paper wood		speed volume volts resistance
Earth and Space					mass matter kilogram gram weight newton force	

# Science Vocabulary Progression

					<p>             push              pull              gravity              Earth              air resistance              streamlined              aerodynamic              water resistance              streamlined              buoyant              float              upthrust              friction              motion              pulley              load              gear              cog              speed              lever              load              pivot              spring              squash              stretch         </p>	
<p>             Evolution              and              Inheritance         </p>						<p>             Similarity              difference              variation              inherit              inherited traits              characteristics offspring              reproduce              generation         </p>

Science Vocabulary Progression

						genetics gene dominant gene recessive gene DNA mutation evolution competition natural selection Charles Darwin survival adaptation adaptive traits ancestor extinct maladaptation palaeontology fossil sedimentary rock
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