

The school's Christian vision

Our five core Christian values *Trust, Honesty, Compassion, Respect and Kindness* are centred on

'Do to others as you would like them to do to you.' (Luke 6:13)

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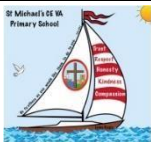
St Michael's CE VA Primary School, Lyme Regis

Science Vocab Progression

Our progressive vocabulary identifies key vocabulary to be taught from EYFS to Year 6. These words are part of a whole host of work aimed at narrowing the vocabulary gap for our children. As a school we aim to expose all children to a broad range of vocabulary and provide them with the skills to use and apply these.

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| Reception | Year 1 | Year 2 | Year 3 |
|---|---|---|--|
| <p>EYFS-Specific Area: Understanding the World</p> <p>Know about the similarities and differences in relation to places, objects, materials and living things.</p> <p>They talk about the features of their own immediate environment and how environments might vary from one another.</p> <p>They make observations of animals and plants and explain why some things occur, and talk about changes.</p> <p>Examples of vocabulary used:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Animal <input type="checkbox"/> Plant <input type="checkbox"/> Winter <input type="checkbox"/> Summer <input type="checkbox"/> Spring <input type="checkbox"/> Autumn <input type="checkbox"/> Melt <input type="checkbox"/> Freeze <input type="checkbox"/> Hot <input type="checkbox"/> Cold | <p>Animals, including humans</p> <ul style="list-style-type: none"> <input type="checkbox"/> Fish <input type="checkbox"/> Amphibians <input type="checkbox"/> Reptiles <input type="checkbox"/> Birds <input type="checkbox"/> Mammals <input type="checkbox"/> Omnivore <input type="checkbox"/> Carnivore <input type="checkbox"/> Herbivore <input type="checkbox"/> Meat <input type="checkbox"/> Plants <input type="checkbox"/> Senses <input type="checkbox"/> Tongue-taste <input type="checkbox"/> Nose-smell <input type="checkbox"/> Eyes-vision <input type="checkbox"/> Skin-touch <input type="checkbox"/> Ears-hearing | <p>Animals, including humans</p> <ul style="list-style-type: none"> <input type="checkbox"/> Offspring <input type="checkbox"/> Grow <input type="checkbox"/> Adults <input type="checkbox"/> Survival <input type="checkbox"/> Water <input type="checkbox"/> Food <input type="checkbox"/> Air <input type="checkbox"/> Exercise <input type="checkbox"/> Hygiene <input type="checkbox"/> Nutrition <input type="checkbox"/> Reproduce <input type="checkbox"/> Egg <input type="checkbox"/> Caterpillar <input type="checkbox"/> Pupa <input type="checkbox"/> Butterfly <input type="checkbox"/> Spawn <input type="checkbox"/> Tadpole <input type="checkbox"/> Frog <input type="checkbox"/> Lamb <input type="checkbox"/> Sheep <input type="checkbox"/> Baby <input type="checkbox"/> Toddle <input type="checkbox"/> Child <input type="checkbox"/> Teenager <input type="checkbox"/> Adult | <p>Animals, including humans</p> <ul style="list-style-type: none"> <input type="checkbox"/> Nutrition <input type="checkbox"/> Nutrients <input type="checkbox"/> Carbohydrates <input type="checkbox"/> Protein <input type="checkbox"/> Fats <input type="checkbox"/> Fibre <input type="checkbox"/> Water <input type="checkbox"/> Vitamins <input type="checkbox"/> Minerals <input type="checkbox"/> Skeleton <input type="checkbox"/> Bones <input type="checkbox"/> Joints <input type="checkbox"/> Endoskeleton <input type="checkbox"/> Exoskeleton <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Vertebrate <input type="checkbox"/> Invertebrate <input type="checkbox"/> Contract <input type="checkbox"/> Relax <input type="checkbox"/> Muscle <input type="checkbox"/> Ball joint <input type="checkbox"/> Socket joint <input type="checkbox"/> Hinge joint <input type="checkbox"/> Gliding joint |



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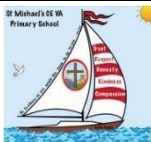
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| Year 4 | Year 5 | Year 6 |
|---|---|--|
| <p>Animals, including humans</p> <ul style="list-style-type: none"> <input type="checkbox"/> human digestive system <input type="checkbox"/> digestion <input type="checkbox"/> mouth <input type="checkbox"/> tongue - mixes, moistens <input type="checkbox"/> saliva <input type="checkbox"/> oesophagus <input type="checkbox"/> transports <input type="checkbox"/> stomach <input type="checkbox"/> acid <input type="checkbox"/> enzymes <input type="checkbox"/> small intestine – absorbs <input type="checkbox"/> water <input type="checkbox"/> vitamins <input type="checkbox"/> large intestine – compacts <input type="checkbox"/> colon <input type="checkbox"/> teeth <input type="checkbox"/> incisors – cutting, slicing <input type="checkbox"/> canines – ripping, tearing <input type="checkbox"/> molars – chewing, <input type="checkbox"/> grinding <input type="checkbox"/> floss <input type="checkbox"/> brush <input type="checkbox"/> food chain <input type="checkbox"/> sun <input type="checkbox"/> producers <input type="checkbox"/> prey <input type="checkbox"/> predators <input type="checkbox"/> carnivore <input type="checkbox"/> herbivore <input type="checkbox"/> omnivore | <p>Animals, including humans</p> <ul style="list-style-type: none"> <input type="checkbox"/> puberty <input type="checkbox"/> life cycle <input type="checkbox"/> gestation <input type="checkbox"/> growth <input type="checkbox"/> reproduce <input type="checkbox"/> foetus <input type="checkbox"/> baby <input type="checkbox"/> fertilisation <input type="checkbox"/> toddler <input type="checkbox"/> child <input type="checkbox"/> teenager <input type="checkbox"/> adult <input type="checkbox"/> old age <input type="checkbox"/> life expectancy <input type="checkbox"/> adolescence <input type="checkbox"/> adulthood <input type="checkbox"/> early adulthood <input type="checkbox"/> middle adulthood <input type="checkbox"/> late adulthood <input type="checkbox"/> childhood | <p>Animals, including humans</p> <ul style="list-style-type: none"> <input type="checkbox"/> internal organs <input type="checkbox"/> heart <input type="checkbox"/> lungs <input type="checkbox"/> liver <input type="checkbox"/> kidney <input type="checkbox"/> brain <input type="checkbox"/> skeletal <input type="checkbox"/> skeleton <input type="checkbox"/> muscle <input type="checkbox"/> muscular <input type="checkbox"/> digest <input type="checkbox"/> digestion <input type="checkbox"/> digestive <input type="checkbox"/> circulatory system <input type="checkbox"/> heart <input type="checkbox"/> blood vessels <input type="checkbox"/> blood <input type="checkbox"/> impact <input type="checkbox"/> diet <input type="checkbox"/> exercise <input type="checkbox"/> drugs <input type="checkbox"/> lifestyle <input type="checkbox"/> nutrients <input type="checkbox"/> water <input type="checkbox"/> damage <input type="checkbox"/> drugs <input type="checkbox"/> alcohol <input type="checkbox"/> substances |



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| Year 4 | Year 5 | Year 6 |
|---|---|---|
| <p>Electricity</p> <ul style="list-style-type: none"> <input type="checkbox"/> appliances <input type="checkbox"/> electricity <input type="checkbox"/> electrical circuit <input type="checkbox"/> cell <input type="checkbox"/> wire <input type="checkbox"/> bulb <input type="checkbox"/> buzzer <input type="checkbox"/> danger <input type="checkbox"/> electrical safety <input type="checkbox"/> sign <input type="checkbox"/> insulators <input type="checkbox"/> wood <input type="checkbox"/> rubber <input type="checkbox"/> plastic <input type="checkbox"/> glass <input type="checkbox"/> conductors <input type="checkbox"/> metal <input type="checkbox"/> water <input type="checkbox"/> switch <input type="checkbox"/> open <input type="checkbox"/> closed | <p>Earth and Space</p> <ul style="list-style-type: none"> <input type="checkbox"/> Earth <input type="checkbox"/> Sun <input type="checkbox"/> Moon <input type="checkbox"/> moons <input type="checkbox"/> planets <input type="checkbox"/> stars <input type="checkbox"/> solar system <input type="checkbox"/> Mercury <input type="checkbox"/> Venus <input type="checkbox"/> Mars <input type="checkbox"/> Jupiter <input type="checkbox"/> Saturn <input type="checkbox"/> Uranus <input type="checkbox"/> Neptune <input type="checkbox"/> Pluto <input type="checkbox"/> rotate <input type="checkbox"/> day <input type="checkbox"/> night <input type="checkbox"/> Aristotle <input type="checkbox"/> Ptolemy <input type="checkbox"/> Galileo <input type="checkbox"/> Copernicus <input type="checkbox"/> Brahe <input type="checkbox"/> Alhazen <input type="checkbox"/> orbit <input type="checkbox"/> axis <input type="checkbox"/> spherical <input type="checkbox"/> heliocentric <input type="checkbox"/> geocentric <input type="checkbox"/> hemisphere <input type="checkbox"/> season <input type="checkbox"/> tilt | <p>Electricity</p> <ul style="list-style-type: none"> <input type="checkbox"/> voltage <input type="checkbox"/> brightness <input type="checkbox"/> volume <input type="checkbox"/> switches <input type="checkbox"/> danger <input type="checkbox"/> series circuit <input type="checkbox"/> electricity <input type="checkbox"/> electrical safety <input type="checkbox"/> sign <input type="checkbox"/> circuit diagram <input type="checkbox"/> switch <input type="checkbox"/> bulb <input type="checkbox"/> buzzer <input type="checkbox"/> motor <input type="checkbox"/> symbols |



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| <p>Living Things and their Habitats</p> <ul style="list-style-type: none"> <input type="checkbox"/> environment <input type="checkbox"/> flowering <input type="checkbox"/> non-flowering <input type="checkbox"/> plants <input type="checkbox"/> animals <input type="checkbox"/> vertebrate <input type="checkbox"/> environment <input type="checkbox"/> danger <input type="checkbox"/> fish <input type="checkbox"/> amphibians <input type="checkbox"/> reptiles <input type="checkbox"/> birds <input type="checkbox"/> mammals <input type="checkbox"/> invertebrate <input type="checkbox"/> snails <input type="checkbox"/> slugs <input type="checkbox"/> worms <input type="checkbox"/> spiders <input type="checkbox"/> insects <input type="checkbox"/> plants <input type="checkbox"/> flowering plants (including grasses) <input type="checkbox"/> non-flowering (including mosses and ferns) <input type="checkbox"/> human impact <input type="checkbox"/> positive - nature reserves, ecologically planned parks, garden ponds <input type="checkbox"/> negative - population, development, litter, deforestation | <p>Living Things and their Habitats</p> <ul style="list-style-type: none"> <input type="checkbox"/> life cycles <input type="checkbox"/> mammal <input type="checkbox"/> amphibian <input type="checkbox"/> insect <input type="checkbox"/> bird <input type="checkbox"/> life process of reproduction <input type="checkbox"/> plants <input type="checkbox"/> animals <input type="checkbox"/> vegetable garden <input type="checkbox"/> animal naturalist <input type="checkbox"/> animal behaviourist <input type="checkbox"/> reproduction <input type="checkbox"/> plants: sexual, asexual <input type="checkbox"/> animals: sexual <input type="checkbox"/> lifecycles around the world <input type="checkbox"/> rainforest <input type="checkbox"/> oceans <input type="checkbox"/> desert <input type="checkbox"/> prehistoric <input type="checkbox"/> similarities <input type="checkbox"/> differences | <p>Living Things and their Habitats</p> <ul style="list-style-type: none"> <input type="checkbox"/> classify <input type="checkbox"/> compare <input type="checkbox"/> Linnaean <input type="checkbox"/> Carl Linnaeus <input type="checkbox"/> classification <input type="checkbox"/> domain <input type="checkbox"/> kingdom <input type="checkbox"/> phylum <input type="checkbox"/> class <input type="checkbox"/> order <input type="checkbox"/> family <input type="checkbox"/> genus <input type="checkbox"/> species <input type="checkbox"/> characteristics <input type="checkbox"/> vertebrates <input type="checkbox"/> invertebrates <input type="checkbox"/> microorganisms <input type="checkbox"/> organism <input type="checkbox"/> flowering <input type="checkbox"/> non-flowering |



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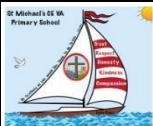
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| <p>Sound</p> <ul style="list-style-type: none"> <input type="checkbox"/> vibrate <input type="checkbox"/> vibration <input type="checkbox"/> vibrating <input type="checkbox"/> air <input type="checkbox"/> medium <input type="checkbox"/> ear <input type="checkbox"/> hear <input type="checkbox"/> sound <input type="checkbox"/> volume <input type="checkbox"/> pitch <input type="checkbox"/> faint <input type="checkbox"/> fainter <input type="checkbox"/> loud <input type="checkbox"/> louder <input type="checkbox"/> string <input type="checkbox"/> percussion <input type="checkbox"/> woodwind <input type="checkbox"/> brass <input type="checkbox"/> insulate | <p>Forces</p> <ul style="list-style-type: none"> <input type="checkbox"/> gravity <input type="checkbox"/> air resistance <input type="checkbox"/> water resistance <input type="checkbox"/> friction <input type="checkbox"/> surface <input type="checkbox"/> force <input type="checkbox"/> effect <input type="checkbox"/> move <input type="checkbox"/> accelerate <input type="checkbox"/> decelerate <input type="checkbox"/> stop <input type="checkbox"/> change direction <input type="checkbox"/> brake <input type="checkbox"/> mechanism <input type="checkbox"/> pulley <input type="checkbox"/> gear <input type="checkbox"/> spring <input type="checkbox"/> theory of gravitation <input type="checkbox"/> Galileo Galilei <input type="checkbox"/> Isaac Newton | <p>Evolution and Inheritance</p> <ul style="list-style-type: none"> <input type="checkbox"/> evolution <input type="checkbox"/> adaption <input type="checkbox"/> inherited traits <input type="checkbox"/> adaptive traits <input type="checkbox"/> natural selection <input type="checkbox"/> inheritance <input type="checkbox"/> Charles Darwin <input type="checkbox"/> DNA <input type="checkbox"/> genes <input type="checkbox"/> variation <input type="checkbox"/> parent <input type="checkbox"/> offspring <input type="checkbox"/> fossil <input type="checkbox"/> environment <input type="checkbox"/> habitat <input type="checkbox"/> fossilisation <input type="checkbox"/> plants <input type="checkbox"/> animals <input type="checkbox"/> living things |



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| Year 4 | Year 5 | Year 6 |
|--|---|---|
| <p>States of Matter</p> <ul style="list-style-type: none"> <input type="checkbox"/> Solid <input type="checkbox"/> Solidify <input type="checkbox"/> Iron <input type="checkbox"/> Ice <input type="checkbox"/> Melt <input type="checkbox"/> Freeze <input type="checkbox"/> Liquid <input type="checkbox"/> Evaporate <input type="checkbox"/> Condense <input type="checkbox"/> Gas <input type="checkbox"/> Container <input type="checkbox"/> Changing state <input type="checkbox"/> Heated <input type="checkbox"/> Heat <input type="checkbox"/> Cool <input type="checkbox"/> Cooled <input type="checkbox"/> Degrees Celsius <input type="checkbox"/> Thermometer <input type="checkbox"/> Water cycle <input type="checkbox"/> Evaporation <input type="checkbox"/> Condensation <input type="checkbox"/> Temperature <input type="checkbox"/> Melting point <input type="checkbox"/> Warm/cool <input type="checkbox"/> Water <input type="checkbox"/> Water vapour | <p>Properties and Changes of Materials</p> <ul style="list-style-type: none"> <input type="checkbox"/> properties <input type="checkbox"/> hardness <input type="checkbox"/> solubility <input type="checkbox"/> transparency <input type="checkbox"/> electrical conductor <input type="checkbox"/> thermal conductor <input type="checkbox"/> response to magnets <input type="checkbox"/> dissolve <input type="checkbox"/> solution <input type="checkbox"/> separate <input type="checkbox"/> separating <input type="checkbox"/> solids <input type="checkbox"/> liquids <input type="checkbox"/> gases <input type="checkbox"/> evaporating <input type="checkbox"/> reversible changes <input type="checkbox"/> dissolving <input type="checkbox"/> mixing <input type="checkbox"/> evaporation <input type="checkbox"/> filtering <input type="checkbox"/> sieving <input type="checkbox"/> melting <input type="checkbox"/> irreversible <input type="checkbox"/> new material <input type="checkbox"/> burning <input type="checkbox"/> rusting <input type="checkbox"/> magnetism <input type="checkbox"/> electricity <input type="checkbox"/> chemists <input type="checkbox"/> quantitative <input type="checkbox"/> measurements <input type="checkbox"/> conductivity <input type="checkbox"/> insulation <input type="checkbox"/> chemical | <p>Light</p> <ul style="list-style-type: none"> <input type="checkbox"/> light <input type="checkbox"/> travels <input type="checkbox"/> straight <input type="checkbox"/> reflect <input type="checkbox"/> reflection <input type="checkbox"/> refract <input type="checkbox"/> refraction <input type="checkbox"/> light source <input type="checkbox"/> object <input type="checkbox"/> shadows <input type="checkbox"/> mirrors <input type="checkbox"/> periscope <input type="checkbox"/> rainbow <input type="checkbox"/> filters |