



St. Mary's C of E (Aided) Primary School

Key vocabulary

Science

	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Working scientifically	look closely observe watch touch feel smell listen same different compare ask questions record sort group	observe changes patterns grouping sorting compare same different identify (name) measure data record results drawing picture table tally chart present pictogram block chart Venn diagram ask questions test investigate explore equipment resources magnifying glass hand lens ruler	tape measure metre stick answer questions interpret results scientific enquiry pattern seeking comparative testing observing over time classifying researching using secondary sources	practical work fair testing relationships accurate thermometer data logger stopwatch timer estimate data diagram identification key chart bar chart prediction similarity difference evidence information findings criteria values properties characteristics conclusion explanation reason evaluate improve		variables independent variable dependent variable control variable evidence justify argument (science) causal relationship accuracy precision scatter graphs bar graphs line graphs force meter	

Animals including humans	alive animal food unwell smell touch hear taste see senses ear head neck body arms legs ears eyes nose mouth tongue hands feet fingers toes elbows knees hair teeth grow	names of common animals: fish, amphibians, reptiles, birds, mammals carnivores herbivores omnivores human body habitat local environment pet wild animal minibeast food	healthy offspring adults young water air survive exercise hygiene egg chick chicken caterpillar pupa moth butterfly tadpole frog frog spawn lamb sheep calf cow foal horse living dead alive never been alive Life processes: movement, sensitivity, growth, reproduction, nutrition, excretion, respiration. Food chains: food sources food producer consumer predator prey	Nutrition diet skeleton muscles protection support movement bones skull shell	digestive system stomach small intestine large intestine oesophagus types of teeth: molar, pre-molar, incisor, canine saliva vertebrate animals: fish, birds, mammals, amphibians, reptiles invertebrate animals: snails, worms, slugs, spiders, insects human impact: litter, deforestation, population increase, nature reserves	puberty gestation period	circulatory system heart lungs blood vessels blood lifestyle disease water transportation nutrient transportation oxygen oxygenated de-oxygenated carbon dioxide breathing exercise diet drugs
---------------------------------	---	---	---	--	--	-----------------------------	---

Seasonal changes	sun hot cold day night rain snow sky	seasons Spring Summer Autumn Winter weather sleet ice frost fog cloud storm earth seasonal change length					
Living things and their environment	flower vegetable fruit berry leaf/leaves	wild plant garden plant evergreen tree deciduous tree common flowering plant weed grass blossom stem trunk branch root seed bulb soil petal	germination shoot seed dispersal grow food store life cycle die wilt seedling sapling. sunlight nutrition light healthy space air	Functions nutrients transport (water) life cycle pollination seed formation seed dispersal reproduce fertiliser	environment non-flowering plants ferns mosses flowering plants grasses	life cycles reproduction life processes sexual and asexual reproduction (plants) root cuttings classification microorganisms organisms	Linnaean system flowering and non-flowering plants variation Microorganisms bacteria single-celled microbes microscopic virus fungi fungus mould antibiotic yeast ferment microscope decompose

Materials and their properties (including rocks and states of matter)	material metal wood rock plastic hard glass soft paper fabric smooth shiny rough make/made hard/soft	everyday materials water rock brick stone fabric material foil elastic dough rubber card cardboard clay object shiny/dull stretchy/stiff rough/smooth bendy/not bendy	waterproof not waterproof transparent opaque absorbent not absorbent squash twist bend stretch	rock soil fossil organic matter grains crystals sedimentary rock	solid liquid gas temperature heat (heating) cool (cooling) water cycle evaporation condensation melting freezing	properties hardness solubility transparency electrical conductivity thermal conductivity magnetism dissolve solution solute substance separating mixing filtering sieving reversible change burning rusting reactions irreversible change	
Forces and magnets				move movement surfaces forces push pull contact distance magnet bar magnet ring magnet horseshoe magnet attract repel poles (of magnets) magnetic materials		Gravity air resistance water resistance friction levers pulleys gears springs Newtons forcemeter Newtonmeter mass weight	

Light				light dark (absence of light) reflect shadow opaque transparent translucent mirror reflective surface			refraction light sources periscope prism spectrum
Sound					sound vibration vibrate pitch volume insulation		
Electricity					electricity simple circuit light bulb cell wire buzzer switch motor battery series circuit conductor insulator		voltage components symbols circuit diagram short circuit

Earth and Space	Sun Moon Earth star planet sky day night space round bounce float					solar system planets: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Neptune, Uranus moon star spherical bodies rotation orbit satellite day night year phases of the moon (waning/waxing, gibbous, first quarter, third quarter, crescent)	
Evolution							life cycles reproduction life processes classification micro-organisms organisms evolution adaptation variation inherit inheritance