



## Welton Primary School: Science Vocabulary

Black — new vocabulary for this science topic

Green - learnt before in same science topic

Orange - learnt before in other science topic

Working Scientifically											
Year 1		Year 2		Year 3		Year 4		Year 5		Year 6	
Tier 2	Tier 3	Tier 2	Tier 3	Tier 2	Tier 3	Tier 2	Tier 3	Tier 2	Tier 3	Tier 2	Tier 3
answers collect differences different group questions similar	beaker compare describe egg timers equipment explore identify measure measurements metre stick observe record results ruler secondary sources similarities sort tape test	<i>previous year 1 vocabulary</i>  order table	block diagram/graph chart gather link ideas notice patterns pictogram pipette stopwatch syringe tally chart use comparatives - hotter/ cooler, older / younger etc.	<i>previous year 1-2 vocabulary</i>  careful changes improve	bar charts classify comparative tests conclusion construct contrast criteria data data logger changes over time evidence fair test guides interpret keys magnifying glass microscope not support observations prediction present results scientific enquiry support thermometer	<i>previous year 1-3 vocabulary</i>  accurate appearance decrease increase		<i>previous year 1-4 vocabulary</i>  fact opinion plan	accuracy comparative controlled dependent variable independent variable line graphs notice relationships precision quantitative repeat classification keys scatter graphs systematic variable variables	<i>previous year 1-5 vocabulary</i>	degree of trust systematic refute





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Plants								
Year 1		Year 2		Year 3		Year 4	Year 5	Year 6
Tier 2	Tier 3	Tier 2	Tier 3	Tier 2	Tier 3			
flower fruit leaf	bark berry blossom branch bud petal root seed stalk stem trunk	bark berry blossom branch bud cool flower fruit grow leaf light petal root seed stalk stem sun trunk warm water	healthy shade  names of trees in the local area names of garden and wild flowering plants in the local area		animal dispersal fertilisation insect pollination photosynthesis pollen seed dispersal seed formation water dispersal wind dispersal wind pollination			



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Materials									
Year 1		Year 2		Year 3	Year 4		Year 5		Year 6
Tier 2	Tier 3	Tier 2	Tier 3		Tier 2	Tier 3	Tier 2	Tier 3	
hard paper rock shiny smooth soft water	absorbent bendy breaks/tears brick card/cardboard clay dull elastic fabric floppy foil glass material metal not see-through object opaque plastic rough rubber see-through stiff stretchy transparent waterproof wood wool	bend/bending brick cardboard glass metal opaque paper plastic pull/pulling push/pushing rock shape squash/squashing stretch/stretching transparent twist/twisting wood	flexible non-reflective reflective rigid translucent		freezing melting temperature	boiling point evaporation gas liquid melting point solid state change water cycle	burning electrical filter mixture change new material sieve solution	change of state conductor dissolve insoluble insulator non-reversible reversible change rusting soluble thermal	



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Seasonal Change						
Year 1		Year 2	Year 3	Year 4	Year 5	Year 6
Tier 2	Tier 3					
rain, rainy snow, snowy sun, sunny windy	autumn day length frosty season spring summer sunrise sunset weather winter					



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Living Things and their Habitats									
Year 1	Year 2		Year 3	Year 4		Year 5		Year 6	
	Tier 2	Tier 3		Tier 2	Tier 3	Tier 2	Tier 3	Tier 2	Tier 3
	feed food move plant	basic needs carnivore dead food chain habitat herbivore in bushes living local habitats micro-habitats never been alive omnivore pond shelter source suitable suited under logs woodland		carnivore food chain herbivore negative omnivore positive	classification classification keys environment habitat hibernate human impact migrate predator prey producer	egg	asexual bulbs cuttings fertilises life cycles live young metamorphosis plantlets reproduce runners sexual sperm	birds fish flowering insects non-flowering snails spiders worms	amphibians invertebrates mammals reptiles vertebrates



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Rocks and Fossils						
Year 1	Year 2	Year 3		Year 4	Year 5	Year 6
		Tier 2	Tier 3			
		hard pebble rock soft soil stone	absorb water boulder chalk chalk (soil) clay (soil) crystals fossil grain granite layer marble peat porous sandstone sandy (soil) slate texture			



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Earth and Space						
Year 1	Year 2	Year 3	Year 4	Year 5		Year 6
				Tier 2	Tier 3	
				Earth Moon star Sun	Jupiter Mars Mercury Neptune orbit planets rotates Saturn solar system spherical Uranus Venus	





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Evolution and Inheritance						
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
					Tier 2	Tier 3
					environment fossils offspring suited vary	adapted characteristics inherited sexual reproduction species



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Light							
Year 1	Year 2	Year 3		Year 4	Year 5	Year 6	
		Tier 2	Tier 3			Tier 2	Tier 3
		dangerous dark light mirror opaque shadow shiny sunlight translucent transparent	absence of light light source matt reflect surface			absence of light dangerous dark light light light source matt mirror opaque reflect shadow shiny straight lines sunlight surface translucent transparent	light rays



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Forces							
Year 1	Year 2	Year 3		Year 4	Year 5		Year 6
		Tier 2	Tier 3		Tier 2	Tier 3	
		metal pull push twist	attract bar magnet button magnet contact force force horseshoe magnet iron magnet magnetic force magnetic material non-contact force north pole poles repel ring magnet south pole steel strength		Earth force simple machines	air resistance friction gears gravity levers mechanisms pulleys water resistance	



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Electricity							
Year 1	Year 2	Year 3	Year 4		Year 5	Year 6	
			Tier 2	Tier 3		Tier 2	Tier 3
			electricity metal negative plug positive switch	battery bulb buzzer cell complete circuit component conductor connect/ connections crocodile clip electrical appliance/device electrical circuit insulator loose connection mains motor non-metal short circuit symbol		battery bulb buzzer cell circuit complete circuit motor switch	circuit diagram circuit symbol voltage



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Sound						
Year 1	Year 2	Year 3	Year 4		Year 5	Year 6
			Tier 2	Tier 3		
			loud sound source travel	faint insulation pitch (high, low) vibrate vibration volume		