Science Vocabulary Progression

Working scientifically			
	Key stage 1	**Lower key stage 2**	**Upper key stage 2**
Question, Plan and predict	plan (1) predict	fair (1) investigate investigation method variable control variable rate	hazard model safety (1) testable fair test
Observe, test and measure Record	diagram group (1) measure observe sort (1) table (1) research test (1)		
Conclude, Evaluate	compare difference (1) pattern (1) similarity results (1)	conclusion trustworthy proof/prove	evidence evaluate reliable

Working scientifically			
	Key stage 1	**Lower key stage 2**	**Upper key stage 2**
Observe, test and measure, Record		bar chart record results table stop watch classify classification key degrees Celsius (3) temperature thermometer	anomaly (3) data estimate line of best fit (3) line graph relationship mean average scale secondary data/source units

Science in action					
Year 1	**Year 2**	**Year 3**	**Year 4**	**Year 5**	**Year 6**
science scientist	invention	n/a	ethics	discovery (1)	theory

Scientific knowledge and understanding						
	Year 1	**Year 2**	**Year 3**	**Year 4**	**Year 5**	**Year 6**
Sensitive bodies	hearing (1) senses (1) sight (1) smell (1) taste (1) touch (1) touch					
Comparing animals	amphibian bird (1) carnivore diet fish (1) herbivore mammal omnivore reptile					

Scientific knowledge and understanding						
	Year 1	**Year 2**	**Year 3**	**Year 4**	**Year 5**	**Year 6**
Plants	bulb deciduous evergreen flower (1) fruit (1) garden plants growth (1) leaf (1) roots (1) seed (1) stem (1) trunk (1) wild plants	germinate energy (2) nutrient (2) life cycle (2) shoot	female (1) flowering plant male (1) pollen pollination reproduction seed dispersal transport	N/A	N/A	N/A

Scientific knowledge and understanding						
	Year 1	**Year 2**	**Year 3**	**Year 4**	**Year 5**	**Year 6**
Forces, Earth and Space	deciduous tree evergreen tree season (1) weather (1)	N/A	attract (2) contact force force (2) friction (2) magnet (2) magnetic material magnetism (2) non-contact force north pole repel (2) south pole	N/A	celestial bodies day (daytime) gravity (2) moon (1) night (nighttime) orbit (2) phase (2) planet (1) spherical star (1) year Solar System Mercury Venus Earth Mars Jupiter Saturn Uranus Neptune Pluto air resistance balanced (2) gear gravity lever	N/A

Scientific knowledge and understanding						
	Year 1	**Year 2**	**Year 3**	**Year 4**	**Year 5**	**Year 6**
Forces, Earth and Space					pivot pulley surface area unbalanced (2) water resistance	
Energy	N/A	N/A	cast (a shadow) light source luminous mirror non-luminous opaque reflect reflection reflective (shiny) shadow (1) the Sun translucent transparent	air (1) eardrum insulator pitch (2) sound vibration volume (2) appliance battery/cell bulb buzzer circuit (2) electrical conductor electrical insulator electricity (1) mains motor power source property switch (2) wire (1)	N/A	light ray pupil ray diagram reflective cell circuit diagram current resistance voltage

Scientific knowledge and understanding						
	Year 1	**Year 2**	**Year 3**	**Year 4**	**Year 5**	**Year 6**
Materials	absorbent fabric glass (1) metal (1) material object plastic (1) rock (1) tough waterproof (1) wood (1)	elastic flexible (2) property suitable (1)	crystal fossil grain hard hardness rock sediment sedimentary rock sedimentation soft soil	boiling condensing evaporating evaporation rate freezing gas liquid melting precipitation solid steam the water cycle	dissolve filtering (2) insoluable mixture sieving soluble solution burning conductor electrical conductivity insulator irreversible change reversible change rust rusting thermal conductivity transparency	N/A

Scientific knowledge and understanding						
	Year 1	**Year 2**	**Year 3**	**Year 4**	**Year 5**	**Year 6**
Habitats and Microhabitats		alive (1) dead (1) depend (2) energy (2) food chain (2) habitat (2) life processes microhabitat minibeast predator (2) prey (2) shelter (1)				
Life cycles and health		basic needs egg (1) health (1) hygiene (1) life cycle (2) live young pupa spawn survive teenager (1) toddler (1) tadpole				

Scientific knowledge and understanding						
	Year 1	**Year 2**	**Year 3**	**Year 4**	**Year 5**	**Year 6**
Movement and nutrition			balanced (diet) (2) bone (1) carbohydrate fat fibre invertebrate joint mineral movement muscle (1) nutrient protection protein skeleton support vertebrate vitamin			

Scientific knowledge and understanding						
	Year 1	**Year 2**	**Year 3**	**Year 4**	**Year 5**	**Year 6**
Classification and changing habitats				conservation (2) deforestation (2) endangered (2) flowering plants insect nature reserve non-flowering plants pollution (2) slug snail spider worm		
Digestion and food				canine digest (2) digestive system faeces incisor large intestine molar mouth (1) oesophagus premolar producer saliva small intestine stomach (1)		

Scientific knowledge and understanding						
	Year 1	**Year 2**	**Year 3**	**Year 4**	**Year 5**	**Year 6**
Digestation and food				canine digest (2) digestive system faeces incisor large intestine molar mouth (1) oesophagus premolar producer saliva small intestine stomach (1)		

Scientific knowledge and understanding						
	Year 1	**Year 2**	**Year 3**	**Year 4**	**Year 5**	**Year 6**
Life cycles and reproduction					adolescence (2) asexual reproduction characteristics (2) fertilisation germination gestation gills incubation lungs mating metamorphosis offspring ovule pollen pollination reproduction (2) sexual reproduction	
Human timeline					foetus gestation period hormones period (menustration) puberty period (menstruation)	

Scientific knowledge and understanding						
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Classifying big and small						cold-blooded conifer exoskeleton fern life processes microorganism moss organism warm-blooded
Circulation and health						blood (1) bloodstream blood vessels carbon dioxide circulatory system drug heart (1) heart rate oxygen pulse

Scientific knowledge and understanding						
	Year 1	**Year 2**	**Year 3**	**Year 4**	**Year 5**	**Year 6**
Evolution and inheritance						adaptation (2) competition (2) environment (2) environmental (2) evolution (2) extinct (2) fossil gene inherit inheritance (2) natural slection parent (biological) (1) population (2) selective breeding survival of the fittest (2) variation (2) natural selection

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