



# Stock C of E Primary School

## Science

### Vocabulary progression

# Overview - Vocabulary progression

## Working scientifically

	Key stage 1	Lower key stage 2	Upper key stage 2
<b>Question, Plan and predict</b>	plan (1) predict	fair (1) investigate investigation method variable control variable rate	hazard model safety (1) testable fair test
<b>Observe, test and measure Record</b>	diagram group (1) measure observe sort (1) table (1) research test (1)	—	—

<b>Conclude, Evaluate</b>	compare difference (1) pattern (1) similarity results (1)	conclusion trustworthy proof/prove	evidence evaluate reliable
<b>Observe, test and measure, Record</b>	—	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

*\*Words on this page are classified as Tier 2 words unless stated otherwise.*

## Science in action

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

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## Scientific knowledge and understanding

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<b>Sensitive bodies</b>	hearing (1) senses (1) sight (1) smell (1) taste (1) touch (1) touch	—	—	—	—	—
<b>Comparing animals</b>	amphibian bird (1) carnivore diet fish (1) herbivore mammal omnivore reptile	—	—	—	—	—

<b>Plants</b>	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
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<p><b>Forces, Earth and Space</b></p>	<p>deciduous tree  evergreen tree  season (1)  weather (1)</p>	<p>N/A</p>	<p>attract (2)  contact force  force (2)  friction (2)  magnet (2)  magnetic material  magnetism (2)  non-contact force  north pole  repel (2)  south pole</p>	<p>N/A</p>	<p>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  pivot</p>	<p>N/A</p>
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					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

<b>Materials</b>	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) insoluble mixture sieving soluble solution burning conductor electrical conductivity insulator irreversible change reversible change rust rusting thermal conductivity transparency	N/A
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<b>Habitats and Microhabitats</b>	—	alive (1) dead (1) depend (2) energy (2) food chain (2) habitat (2) life processes microhabitat minibeast predator (2) prey (2) shelter (1)	—	—	—	—
<b>Life cycles and health</b>	—	basic needs egg (1) health (1) hygiene (1) life cycle (2) live young pupa spawn survive teenager (1) toddler (1) tadpole	—	—	—	—

**Movement and nutrition**

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balanced (diet) (2)  
bone (1)  
carbohydrate  
fat  
fibre  
invertebrate  
joint  
mineral  
movement  
muscle (1)  
nutrient  
protection  
protein  
skeleton  
support  
vertebrate  
vitamin

—

—

—

<p><b>Classification and changing habitats</b></p>	<p>—</p>	<p>—</p>	<p>—</p>	<p>conservation (2)  deforestation (2)  endangered (2)  flowering plants  insect  nature reserve  non-flowering plants  pollution (2)  slug  snail  spider  worm</p>	<p>—</p>	<p>—</p>
<p><b>Digestion and food</b></p>	<p>—</p>	<p>—</p>	<p>—</p>	<p>canine  digest (2)  digestive system  faeces  incisor  large intestine  molar  mouth (1)  oesophagus  premolar  producer  saliva  small intestine  stomach (1)</p>	<p>—</p>	<p>—</p>

**Digestation and food**

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—

—

canine  
digest (2)  
digestive system  
faeces  
incisor  
large intestine  
molar  
mouth (1)  
oesophagus  
premolar  
producer  
saliva  
small intestine  
stomach (1)

—

—

<p><b>Life cycles and reproduction</b></p>	<p>—</p>	<p>—</p>	<p>—</p>	<p>—</p>	<p>adolescence (2)  asexual reproduction  characteristics (2)  fertilisation  germination  gestation  gills  incubation  lungs  mating  metamorphosis  offspring  ovule  pollen  pollination  reproduction (2)  sexual reproduction</p>	<p>—</p>
<p><b>Human timeline</b></p>	<p>—</p>	<p>—</p>	<p>—</p>	<p>—</p>	<p>foetus  gestation period  hormones  period (menstruation)  puberty  period (menstruation)</p>	<p>—</p>

<b>Classifying big and small</b>	—	—	—	—	—	cold-blooded conifer exoskeleton fern life processes microorganism moss organism warm-blooded
<b>Circulation and health</b>	—	—	—	—	—	blood (1) bloodstream blood vessels carbon dioxide circulatory system drug heart (1) heart rate oxygen pulse

<p><b>Evolution and inheritance</b></p>	<p>—</p>	<p>—</p>	<p>—</p>	<p>—</p>	<p>—</p>	<p>adaptation (2)          competition (2)          environment (2)          environmental (2)          evolution (2)          extinct (2)          fossil          gene          inherit          inheritance (2)          natural selection          parent (biological) (1)          population (2)          selective breeding          survival of the fittest (2)          variation (2)          natural selection</p>
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