



Essendon C of E Primary School

Essendon C of E Primary School

Science Curriculum

Vocabulary Progression, using Kapow.

Mixed-Age updated: Dec 2025

Review date: Dec 2026

Overview - Vocabulary progression

Working scientifically

	Year 1/2	Year 3/4	Year 5/6
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)	bar chart record results table stopwatch classify classification key degrees Celsius (3) temperature thermometer (3)	anomaly (3) data estimate line of best fit (3) line graph relationship mean average scale secondary data/source units

Conclude, Evaluate	compare difference (1) pattern (1) similarity results (1)	conclusion trustworthy proof/prove	evidence evaluate reliable
---------------------------	---	--	----------------------------------

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

Science in action

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

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

Scientific knowledge and understanding

	Year 1/2	Year 3/4	Year 5/6
Sensitive bodies	hearing (1) senses (1) sight (1) smell (1) taste (1) touch (1)	—	—

<p>Comparing animals</p>	<p>amphibian bird (1) carnivore diet fish (1) herbivore mammal omnivore reptile</p>	<p>—</p>	<p>—</p>
<p>Habitats and Microhabitats</p>	<p>alive (1) dead (1) depend (2) energy (2) food chain (2) habitat (2) life processes microhabitat minibeast predator (2) prey (2) shelter shelter (1)</p>	<p>—</p>	<p>—</p>

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	—	—
-------------------------------	---	---	---

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 (2)	N/A
---------------	---	---	-----

Forces, Earth and Space

deciduous tree
evergreen tree
season (1)
weather (1)

attract (2)
contact force
force (2)
friction (2)
magnet (2)
magnetic material
magnetism (2)
non-contact force
north pole
repel (2)
south pole

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>pulley</p> <p>surface area</p> <p>unbalanced (2)</p> <p>water resistance</p>
--	--	--	---

Energy	N/A	cast (a shadow) light source luminous mirror non-luminous opaque reflect reflection reflective (shadow) 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	light ray pupil ray diagram reflective cell circuit diagram current resistance voltage
--------	-----	--	--

		electricity (1) mains motor power source property switch (2) wire (1)	
--	--	---	--

<p>Materials</p>	<p>absorbent fabric glass (1) metal (1) material object plastic (1) rock (1) tough waterproof (1) wood (1) elastic flexible (2) property suitable (1)</p>	<p>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</p>	<p>dissolve filtering (2) insoluble mixture sieving soluble solution burning conductor electrical conductivity insulator irreversible change reversible change rust rusting thermal conductivity transparency</p>
-------------------------	---	--	---

Movement and nutrition

—

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

—

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

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

Evolution and inheritance

—

—

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)

	basic needs egg (1) health (1) hygiene (1) life cycle (2) live young pupa spawn survive teenager (1) toddler (1) tadpole	—	—
--	---	---	---

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