



Perranporth CP School



Vocabulary Progression Document, including

'VIV'

Working Scientifically Vocabulary

EYFS	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
<ul style="list-style-type: none"> • Why? • What if? • How? • What? • Question • Describe • Draw • See • Sort • Same • Different • Changes • Tell me... 	<p>As previous plus:</p> <ul style="list-style-type: none"> • Question • Equipment • Identify • Group • Record • Compare • Contrast • Observe 	<p>As previous plus:</p> <ul style="list-style-type: none"> • Classify • Record - diagram, chart • Data • Fair test • predict 	<p>As previous plus:</p> <ul style="list-style-type: none"> • Research • Practical enquiries • Comparative test • Fair test • Careful observation • Accurate measurements • Thermometer • Data - gather, record, classify, present • Record - drawings, labelled diagrams, keys, bar charts, tables • Conclusions • Predictions • Differences • Similarities • Changes • Evidence • Improvements • Secondary sources • Interpret 	<p>As previous plus:</p> <ul style="list-style-type: none"> • Data logger • Record - line graphs / scatter graphs • Raise further questions 	<p>As previous plus:</p> <ul style="list-style-type: none"> • Plan • Variables • Measurements • Accuracy • Precision • Report - scientific diagrams, tables. scatter graphs, bar charts, line charts • Further comparative and fair test • Repeat readings • Explanations • Evidence - support, refute ideas or arguments • Systematic 	<p>As previous plus:</p> <ul style="list-style-type: none"> • degree of trust (in results) • Report - classification keys, pie charts

Why?	Question	Classify	Research	Data	Variables	Degree of trust
How?	Identify	Diagram	Comparative	Line Graphs	Accuracy	Classification
What?	Compare	Fair Test	Measurements	Scatter Graphs	Precision	
Describe	Contrast	Predict	Evidence	Further questions	Repeat readings	
Tell me...	Observe	Data	Conclusions		Systematic	

Plants Vocabulary

EYFS	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
Seed • Soil • Grow • Leaf • Flowers • Fruit • Vegetable • Plants • Tree	Wild plants • Garden plants • Deciduous • Evergreen • Root • Leaves • Bud • Blossoms • Stem • Petals • Trunk • Branches	As previous plus: • Observe • Describe • Mature plants • Suitable temperature / light / water • Germination • Growth • Grow healthy • Survival • Reproduction	As previous plus: • Nutrients / nutrition • Transport • Life cycle • Flowers pollination • Seed formation • Seed dispersal • Structure • Function • Support • "Requirements for life and growth". • Fertiliser	n/a	n/a	n/a
Seed Soil Grow	Wild Plants Garden Plants Bud	• Deciduous • Evergreen Healthy Germinate	Nutrients Water Transportation Life Cycle			

Leaf	Root	Reproduce	Pollination			
Flower	Stem		Dispersal			

Animals including Humans Vocabulary

EYFS	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
<p>Animal (name common ones e.g. cow, dog, fish) • Minibeast (name common ones e.g. ladybird, butterfly) • Name some features e.g. beak, feathers, wings • Person/people • Touch / /smell/.see / taste / hear • Grow • Food • Move</p>	<p>• fish, amphibians, reptiles, birds and mammals. • Senses - touch, smell, vision, taste, hearing. • fur, spine, wings, scales, tail Omnivores - meat and plants (examples badger, human, bear, chicken). • Carnivores - meat eating (examples, dog, cat, lion, tiger, snake). • Herbivores - plant eating (examples, cows, horses, mice).</p>	<p>As previous plus: • Offspring • Grow • Adults Survival: • Hygiene • Exercise • Food • Nutrition • Air / water • Reproduction and growth in animals • Process of growth examples: • egg, chick, chicken; egg, caterpillar, pupa, butterfly; spawn, tadpole, frog; lamb, sheep. Growing into adults can include reference to baby, toddler, child, teenager, adult.</p>	<p>As previous plus: • nutrition • nutrients • carbohydrates • protein • fats • fibre • water • vitamins • minerals • skeleton • bones • joints • endoskeleton • exoskeleton • hydrostatic • vertebrate • invertebrate • contract / relax • muscles • ball joint • socket joint • hinge joint • gliding joint Teeth: • incisors - cutting / slicing • canines - ripping / tearing • molars - chewing / grinding • floss • brush</p>	<p>As previous plus: • digestion • mouth • tongue • saliva • oesophagus • transports • stomach • acid • enzymes • small intestine - absorbs water • vitamins • large intestine - compacts colon Food chain: • sun • producers • consumers • prey • predators Recap from Y1 carnivore / herbivore / omnivore</p>	<p>As previous plus: • puberty • life cycle • gestation • growth • reproduce • foetus • baby • fertilisation • toddler • child • teenager • adult • old age • life expectancy • adolescence • adulthood • early adulthood • middle adulthood • late adulthood • childhood</p>	<p>As previous plus: • internal organs • heart • lungs • liver • kidney • brain • skeletal • skeleton • muscle • muscular • digest • digestion • digestive • circulatory system • heart • blood vessels • blood • impact • diet • exercise • drugs • lifestyle • nutrients • water • damage • drugs • alcohol • substances</p>
<p>Animal Minibeast</p>	<p>Carnivores Herbivores</p>	<p>Hygiene Offspring</p>	<p>Nutrients Endoskeleton</p>	<p>Digestion Oesophagus</p>	<p>Puberty Life Cycle</p>	<p>Internal Organs Skeletal Muscle</p>

Move	Fur	Growth	Exoskeleton	Enzymes	Gestation	Circulatory System
Grow	Spine	Nutrition	Vertebrate	Small Intestine	Growth	Blood Vessels
Food	Tail	Reproduce	Invertebrate	Large Intestine	Reproduce	Nutrients* Recap on Year 3.
	Wings			Food Chain		
	Scales					

Materials including Material Changes Vocabulary

EYFS	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
<ul style="list-style-type: none"> • Hard / soft • Melt • Freeze • Paper • Bumpy • Smooth 	<ul style="list-style-type: none"> • Wood • Plastic • Glass • Metal • Water • Rock • Brick • Paper • Fabrics • Elastic • Foil Properties: • Hard / soft • Stretchy / stiff • Shiny /dull • Rough / smooth • Bendy / not bendy • Waterproof / not waterproof • Absorbent / not absorbent 	<p>As previous plus: •</p> <ul style="list-style-type: none"> Materials Cardboard • Rubber • Squashing • Bending • Twisting • Stretching Examples: Wood - matches, telegraph poles Metal - coins, cans, cars Plastic - some spoons • John Dunlop • Charles Macintosh • John McAdam 	n/a	<p>As previous plus: •</p> <ul style="list-style-type: none"> solid • solidify • ice • melt • freeze • liquid • evaporate • condense • gas • container • changing state • heated • heat • cooled • cool • degrees Celsius • thermometer • water cycle • evaporation • condensation • temperature • warm / cool • water vapour 	<p>As previous plus: •</p> <ul style="list-style-type: none"> properties • hardness • solubility • transparency • electrical conductor • thermal conductor • response to magnets • dissolve / dissolving • solution • mixing • separate • separating • reversible changes • filtering • sieving • irreversible • new material • burning • rusting • magnetism • chemists • quantitative measurements • conductivity • insulation • chemical • Spencer 	n/a

					Silver • Ruth Benerito	
Hard	Part 1:	Part 2:	Materials		Solid	Solubility
Soft	Wood	Stretchy	Wood		Liquid	Transparency
Melt	Plastic	Stiff	Metal		Gas	Electrical Conductor
Freeze	Glass	Bendy	Plastic		Evaporation	Thermal Conductor
Bumpy	Metal	Waterproof	Rubber		Condensation	Reversible
Smooth	Rock	Absorbent	Waterproof		Melting	Irreversible
	Fabrics				Changing State	

Living Things and their Habitat Vocabulary

EYFS	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
Plants • flowers • Animal (name common ones e.g. cow, dog, fish) • Minibeast (name common ones e.g. ladybird, butterfly) • Name some features e.g. beak, feathers, wings • Food • Logs • Rocks • Worms in mud	n/a	As previous plus: • Living • Dead • Never alive • Habitats • Microhabitats • Food • Food chain • Sun • Grass • Cow • Human • Alive • Healthy	n/a	As previous plus: • environment • dangers • flowering plants - including grasses • non- flowering plants - including mosses and ferns • plants • animals • vertebrate - fish, amphibians, reptiles, birds, mammals (recapped from Y1) •	As previous plus: • Life cycles • Life process of reproduction • Reproduction - plants: sexual, asexual and animals: sexual • Life cycles around the world - rainforest, oceans, desert • Prehistoric • David Attenborough •	As previous plus: • classify • compare • Linnaean • Carl Linnaeus • Classification • Domain • Kingdom • Phylum • Class • Order • Family • Genus • Species • Characteristic s • Microorganism • Organism

kitchen				invertebrate - snails, slugs, worms, spiders, insects. Human impact: <ul style="list-style-type: none"> • positive - nature reserves, garden ponds • Negative - population, development s, litter, deforestation 	Jane Goodall	
Plants		Living		Environment	Life Cycles	Linnaean
Flowers		Dead		Vertebrates	Life Process	Classification
Food		Never Alive		Invertebrates	Reproduction	Compare
Logs		Habitats		Plants	David	Species
Rocks		Micro-habitats		Human Impact	Attenborough	Micro-organisms
					Jane Goodall	

Forces Vocabulary

EYFS	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
Float • Sink • Push • Pull • Lift • Press • Drop • Open • Close • Stop • Move	n/a	n/a	Recap on Reception vocabulary, plus: Force • Surface • Magnet • Magnetic • Attract • Repel • Magnetic poles • North • South	n/a	As previous plus: • Gravity • Air resistance • Water resistance • Friction • Surface • Force • Effect • Move • Accelerate • Decelerate • Stop • Change direction •	n/a

					<ul style="list-style-type: none"> Brake • Mechanism • Pulley • Gear • Spring • Theory of gravitation • Galileo Galilei • Sir Isaac Newton 	
Float			*Push		Gravity	
Sink			*Pull		Air Resistance	
Push			Repel		Water Resistance	
Pull			Attract		Accelerate	
Lift			Friction		Decelerate	

Light Vocabulary

EYFS	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
<ul style="list-style-type: none"> Sun • Light • See • Dark • Moon • Eyes • Night • Day • torch 	n/a	n/a	Recap Reception vocabulary, plus: <ul style="list-style-type: none"> Reflect • Surface • Natural • Star • Blocked • Solid • Artificial • Torch • Candle • Lamp • Sunlight • Dangerous • Protect eyes • Opaque • Transparent • Translucent • Shadows 	n/a	n/a	As previous plus: • Light • Travels • Straight lines • Reflect • Reflection • Refract • Refraction • Light source • Angle of incidence • Angle of reflection • Object • Mirrors • Periscope • Kaleidoscope • Rainbow • Prism • Filter

Sun			Dark			Straight
Light			Reflect			Refraction
Night			Transparent			Light Source
Day			Translucent			Angle of Incidence
Eyes			Opaque			Angle of Reflection
			Shadow			

Electricity Vocabulary

EYFS	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
<ul style="list-style-type: none"> • On / off • Light • Dangerous • battery 	n/a	n/a	n/a	<ul style="list-style-type: none"> • appliances • electricity • electrical circuit • current • battery/cell • wire • bulb • buzzer • danger • electrical safety • sign • switch - open / closed insulators - wood, rubber, plastic, glass conductors - metal, water 	n/a	<p>As previous plus:</p> <ul style="list-style-type: none"> • series circuit • parallel circuit (explain only to HA, not required) • cell • motor • circuit diagram • recognised symbols • volume • voltage • Amps • brightness • switches • LED's • Alternating current • Thomas Edison • Michael Faraday • Nikola Tesla
On				Mains Powered		Voltage

Off				Battery Powered		Series Circuit
Dangerous				Circuit		Amps
Battery				Switches		Circuit Diagram
				Insulators		Alternating
				Conductors		Current

Rocks / Fossils / Evolution / Inheritance Vocabulary

EYFS	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
n/a	n/a	n/a	Appearance • Physical • Properties • Fossils • Sedimentary • Rock • Soils • Organic matter • Buildings • Gravestones • Grains • crystals	n/a	n/a	As previous plus: • Evolution • Adaptation • Inherited traits • Adaptive traits • Natural selection • Inheritance • Charles Darwin • DNA • Genes • Variation • Parent • Offspring • Fossil / Fossilisation • Environment • Habitat • Plants • Animals • Living things • Palaeontologists • Mary Anning • Alfred Wallace • Charles Darwin
			Properties			Evolution

			Fossils Sedimentary Igneous Metamorphic			Adaptation Natural Selection Inheritance Variation
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Stand Alone Unit Vocabulary

EYFS	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
n/a	Seasonal Changes	n/a	n/a	Sound	Earth and Space	n/a
	Seasons Summer • Autumn • Winter • Spring • Day • Daytime Weather: • Wind • Rain • Snow • Hail • Sleet • Fog • Sun • Hot • Warm • cold			vibrate • vibration • data logger • sound survey • air • medium • ear • hear • sound • volume • pitch • faint • fainter • distance • loud • louder • string • percussion • woodwind • brass • insulate • insulation	Earth • Sun • Moon • Moons • Planets • Stars • Asteroids • Solar system • Mercury • Venus • Mars • Jupiter • Saturn • Uranus • Neptune • Pluto • Rotate • Day / night • Aristotle • Ptolemy • Galileo • Copernicus • Brahe • Alhazen • Orbit • Axis • Spherical • Heliocentric • Geocentric • Hemisphere • Season • tilt	
	Seasons			Vibration	Solar System	

	Autumn			Air	Rotate	
	Winter			Distance	Orbit	
	Spring			Pitch	Heliocentric	
	Summer			Insulate	Geocentric	

Scientist and Inventors Vocabulary

EYFS	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
		Jane Colden Elizabeth Garrett Anderson Louis Pasteur Charles Mackintosh Rachel Carson				
		Research, Source, Achievements, botanist, doctor, hygiene, mackintosh, waterproof, ocean habitats				
	Seasons Autumn Winter	Botanist Doctor Hygiene		Vibration Air Distance	Solar System Rotate Orbit	

	<i>Spring</i>	<i>Waterproof</i>		<i>Pitch</i>	<i>Heliocentric</i>	
	<i>Summer</i>	<i>Habitats</i>		<i>Insulate</i>	<i>Geocentric</i>	