

# Green Ridge Primary Academy

## Science Curriculum Overview



Year Group	Unit	Autumn One	Autumn Two	Spring One	Spring Two	Summer One	Summer Two
Year One	National Curriculum	Working Scientifically and Investigations  Seasonal changes	Everyday Materials  Seasonal changes	Animals, including humans  Seasonal changes		Plants  Seasonal changes	
Year Two	Switched on Science	Materials Monster	Squash, Bend, Twist and Stretch	Healthy Me	Young Gardeners	Little MasterChef	Our Local Environment
	National Curriculum	Uses of everyday materials	Working Scientifically	Animals Including Humans	Plants	Animals including humans	Living Things and their Habitats
Year Three	Switched on Science	Light and shadows	Rocks, Soils and Fossils	Science in action – Nappy investigation	Forces and Magnets	How does your garden grow?	Food and our bodies
	National Curriculum	Light	Use of everyday materials	Working Scientifically	Forces and Magnets	Plants	Animals Including Humans
Year Four	Switched on Science	Teeth and Eating	Looking at states	The Big Build	What's that sound?	Power it up	Living things and their habitats
	National Curriculum	Humans and other animals	States of matter	Working Scientifically	Sound	Electricity	Living things and their habitats
Year Five	Switched on Science	Out of this World	Amazing Reactions	Material World	Let's Get Moving	Circle of Life	Growing Up and Growing Old
	National Curriculum	Earth and Space	Properties and changes of materials	Properties and changes in materials	Forces	Living things and their habitats	Animals including humans
Year Six	Switched on Science	Healthy Bodies	Classifying Living Things	Electricity	Light	Evolution and inheritance	The Titanic
	National Curriculum	Animals including humans	Living things and their habitats	Electricity	Light	Evolution and inheritance	Working Scientifically

# Green Ridge Primary Academy

## Science Curriculum Overview



Year Group	Unit	Autumn One	Autumn Two	Spring One	Spring Two	Summer One	Summer Two
Nursery – Little Berries	EYFS Curriculum	All About Me	Pets	We're all going to the Zoo		The Great Outdoors	Sing a Rainbow
	National Curriculum	Animals including Humans	Living things and their habitats	Living things and their habitats		Plants Seasonal Changes	Seasonal Changes
Nursery – Little Acorns	EYFS Curriculum	Marvellous Me			Dinosaur Roar	Down at the Bottom of the Garden	Down on the Farm
	National Curriculum	Animals including Humans			Animals including Humans	Plants	Animals including Humans Living things and their habitats
Reception	EYFS Curriculum	Knowing me, Knowing you				Explorers: Under the Sea then Space	In the Jungle
	National Curriculum	Animals including Humans (Parts of the body)				Animals including Humans Living things and their habitats	Animals including Humans Living things and their habitats

EYFS also reference seasonal changes throughout the academic year – see below for Vocabulary Progression.



### Working scientifically

Early Years	Key Stage One	Lower Key Stage Two	Upper Key Stage Two
Investigate	Question	Questions	Plan
Discuss	Answer	Enquiry	Enquiry
Question	Observe	Practical	Recognising
Describe	Equipment	Compare	Variables
Similar	Identify	Fair test	Measurements
Different	Classify	Observe	Equipment
	Sort	Systematic	Data
	Group	Measurements	Diagrams
	Diagram	Gathering	Classification
	Data	Recording	Results
	Compare	Classifying	Predictions
	Contrast	Presenting	Comparative
	Describe	Data	Fair test
	Test	Record	Reporting
	Observe	Results	Presenting
	Predict	Conclusions	Findings
	Results	Predictions	Causal relationship
	Conclusion	Improvements	Explanation
		Identifying	Identify
		Differences	
		Similarities	



### Plants

<u>Nursery – Little Berries</u> The Great Outdoors	<u>Nursery – Little Acorns</u> Down at the Bottom of the Garden	<u>Reception</u> Revision of knowledge from EYFS	<u>Year One</u> Plants	<u>Year Two</u> Young Gardeners	<u>Year Three</u> How does your garden grow?	<u>Year Four</u>	<u>Year Five</u>	<u>Year 6</u>
Flower	Shoot		Stem	Bulb	Carpel			
Plant	Greenhouse		Leaf	Corn	Flower			
Leaf	Water		Flower	Germinate	Germinate			
Tree	Life cycle		Roots	Properties	Leaves			
Rain	Flower		Water	Root	Life cycle			
Seasons	Seed		Soil	Stem	Nutrients			
	Plant		Petal	Tuber	Ovary			
	Root		Deciduous	Annual	Petal			
	Sun		Evergreen	Compost	Photosynthesis			
	Spring			Flower	Pollen			
	Bulb			Fruit	Root			
	Grow			Health	Seed dispersal			
	Flower			Seeds	Sepals			
					Stem			
					Stamen			
					Style			
					Stigma			
					Veins			



### Animals, including humans

<u>Nursery – Little Berries</u> Pet Corner/All About Me	<u>Nursery – Little Acorns</u> Dinosaur Roar/Down on the farm/Marvellous Me	<u>Reception</u> Knowing me, knowing you/In the Jungle/Under the Sea	<u>Year One</u> Animals, including humans	<u>Year Two</u> Healthy Me Little MasterChef's	<u>Year Three</u> Food and our bodies	<u>Year Four</u> Teeth and Eating	<u>Year Five</u> Growing Up and Growing Old	<u>Year 6</u> Healthy Bodies
Pet	Taste	Healthy	Amphibians	Exercise	Balanced diet	Anus	Adolescence	Addiction
Cat	Touch	Muscle	Reptiles	Healthy	Biceps	Canine	Adolescent	Aorta
Dog	Smell	Hydrate	Mammals	Hygiene	Carbohydrate	Carnivores	Arthritis	Artery
Rabbit	Sight	Exercise	Carnivores	Germ	Contract	Decay	Gestation period	Circulatory system
Body	Listening	Pulse	Herbivores	Air	Relax	Digestion	Life expectancy	Carbon dioxide
Bird	Body parts	Herbivore	Omnivores	Balanced Diet	Exoskeleton	Enamel	Puberty	Capillaries
Reptile	Grow	Carnivore	Fish	Bread	Fats	Energy	Teenager	Blood
Fish	Herbivore	Omnivore	The 5 senses	Diet	Femur	Herbivore	Menstruation	Atrium
	Carnivore	Parts of the human body	Parts of the human body	Food	Humerus	Incisor	Pregnant	De-oxygenated
	Stegosaurus			Fruit	Joint	Intestine		Exercise
	Triceratops			Ingredients	Muscles	Molar		Heart
	Tyrannosaurus rex			Vegetables	Nutrients	Mouth		Lungs
	Velociraptor			Water	Protein	Nutrients		Nicotine
	Omnivore			Fats	Skeleton	Oesophagus		Oxygen
	Meat			Carbohydrates	Triceps	Omnivore		Pulse
	Insect			Protein	Vertebrate	Stomach		Respiration
	Lifecycle			Dairy	Endoskeleton	Predator		Vein
	Mammal			Sugar	Organs	Producer		Ventricles
	Bird			Pulse	Tendons	Prey		
	Animal					Saliva		



Everyday Materials

<u>Nursery – Little</u> <u>Berries</u> Let's make a Splash	<u>Nursery – Little</u> <u>Acorns</u>	<u>Reception</u>	<u>Year One</u> Everyday Materials	<u>Year Two</u> Material Monster	<u>Year Three</u> Rocks, soils and fossils	<u>Year Four</u> Looking at States	<u>Year Five</u> Amazing Reaction  Material World	<u>Year 6</u>
Frozen			Materials	Material	Mineral	Boiling point	Dissolve	
Puddle			Properties	Properties	Rock	Boiling	Elastic	
Water			Metal	Absorbent	Permeable	Condensing	Evaporate	
			Wood	Flexible	Impermeable	Evaporation	Filter	
			Glass	Opaque	Crystals	Freezing	Flexible	
			Plastic	Rigid	Magma	Freezing Point	Hard	
			Rough	Manmade	Sediment/ment ary	Gas	Insoluble	
			Shiny	Natural	Humus	Liquid	Mixture	
			smooth	Brittle	Fossil	Matter	Plastic	
			Man-made	Fabrics	Extinct	Material	Rigid	
			Natural	Properties	Palaeontology	Melting	Soluble	
			Bendy	Recyclable	Granite	Solid	Solute	
			Stiff	Transparent	Igneous	Temperature	Solution/ Substance	
			Rock	Rough	Metamorphic	Thermometer	Solvent	
			Fabrics	Smooth	Soil	Water Cycle	Tought	
					Absorb	Water vapour	Thermal Conductor	
					Palaeontology	Melting point	Thermal insulator	
					Porous	Particles	Electrical conductor	
					Volcano	Precipitation	Thermal	
							Hydrogen Peroxide	





















