

Martlesham Primary Academy
Science Vocabulary Progression



To note:

- Tier 2 words are used progressively through the year and through the year groups. Children may be exposed to some Tier 2 words in the year before or year after due to the mixed-age class requirements at Martlesham Primary Academy.
- Tier 3 words are subject-specific and relate to the area which is being taught. These words are used to increase the children's vocabulary bank.

Working Scientifically – Tier 2 vocabulary

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Investigate	Equipment	Observe	Fair test	Enquiry	Effect	Causal relationship
Discuss	Compare	Identify	Record	Systematic	Variables	Hypothesis
Question	Contrast	Classify	Measurements	Present	Justify	
	Table	Diagram			Evidence	
	Similar	Data				
	Different	Predict				
	Describe	Results				
		Conclusion				

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Plants

EYFS	Year 1 Seasonal Changes Plant Parts	Year 2 Plant Survival	Year 3 Plant Nutrition and Reproduction	Year 4	Year 5	Year 6
Grow	Stem	Bulb	Pollination			
Change	Fruit	Bark	Seed dispersal			
Sunlight	Trunk	Annual	Carpel			
	Petal	Seasonal	Ovary			
	Deciduous	Germinate	Pollen			
	Evergreen	Shoot	Sepal			
		Habitat	Stamen			
			Style			
			Photosynthesis			
			Life Cycles			

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Animals Including Humans

EYFS	Year 1 Animal Parts Human Senses	Year 2 Human Survival Animal Survival	Year 3 Animal Nutrition and the Skeletal System	Year 4 Food and the Digestive System	Year 5 Human Reproduction and Ageing	Year 6 Circulatory System
Butterfly	Amphibians	Elderly	Ribs	Apex Predator	Adolescent	Arteries
Caterpillar	Reptiles	Nutrients	Humerus	Digestion	Puberty	Veins
Insect	Mammals	Healthy	Pelvis	Oesophagus	Reproduction	Capillaries
Bug	Carnivore	Hygiene	Femur	Intestines	Gestation Period	Carbon Dioxide
Minibeast	Herbivore	Germ	Biceps	Absorbed	Embryo	Platelets
	Omnivore	Shelter	Triceps	Molar	Foetus	Atrium
	Senses	Carbohydrate	Organ	Canine	Arthritis	Ventricle
		Protein	Contract	Incisor		Aorta
		Dairy	Exoskeleton	Wisdom Teeth		Vena Cava
		Fats	Endoskeleton	Enamel		Respiration
		Balanced Diet		Decay		Nicotine
		Life Cycle				

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Everyday Materials

EYFS	Year 1 Everyday Materials	Year 2 Uses of Materials	Year 3 Rocks	Year 4 States of Matter	Year 5 Properties and Changes of Materials	Year 6
Stretchy	Materials	Absorbent	Sedimentary	Particles	Filter	
Stiff	Natural	Stretchy	Igneous	Evaporation	Filtration	
Bendy	Human-made	Waterproof	Metamorphic	Condensation	Insoluble	
Rough	Properties	Recyclable	Magma	Boiling Point	Soluble	
Smooth			Permeable	Melting Point	Solvent	
Shiny			Impermeable	Thermometer	Solute	
			Granite		Solution	
			Extinct		Homogeneous	
			Palaeontology		Heterogeneous	
			Porous		Thermal Conductor	
					Thermal Insulator	

Seasonal Changes

EYFS	Year 1 Seasonal Changes	Year 2	Year 3	Year 4	Year 5	Year 6
Weather	Summer					
	Winter					
	Autumn					
	Spring					
	Hail					
	Sleet					

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	Fog					
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Living Things and Their Habitats

EYFS	Year 1	Year 2 Habitats Animal Survival	Year 3	Year 4 Grouping and Classifying Food and the Digestive System	Year 5 Human Reproduction and Ageing	Year 6 Evolution and Inheritance
Sea creature		Habitat		Classification Key	Larva	Micro-organism
Seaside		Microhabitat		Vascular	Pupa	Monera
Coastline		Producer			Embryo	Protista
Ocean		Consumer			Metamorphosis	Fungus
		Predator			Sexual Reproduction	
		Prey			Asexual Reproduction	
		Invertebrate			Fertilisation	
		Reproduce			Sperm	
		Life Cycle				

Light

EYFS	Year 1	Year 2	Year 3 Light and Shadows	Year 4	Year 5	Year 6 Light Theory
Light			Reflect			Cornea
Shadow			Reflector			Iris
Object			Transparent			Lens
			Translucent			Retina
			Opaque			Pupil
						Convex

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						Concave
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Forces

EYFS	Year 1	Year 2	Year 3 Forces and Magnets	Year 4	Year 5 Forces and Mechanisms	Year 6
Magnet			Force		Gravity	
Attract			Repel/Repulsion		Mass	
			Newton		Air Resistance	
			Friction		Water Resistance	
			Pole		Mechanism	
					Lever	
					Pulley	
					Gear	

Sound

EYFS	Year 1	Year 2	Year 3	Year 4 Sound	Year 5	Year 6
Sound				Amplitude		
Hear				Pitch		
				Vibration		
				Sound Wave		
				Frequency		
				Decibel		

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Electricity

EYFS	Year 1	Year 2	Year 3	Year 4 Electrical Circuits and Conductors	Year 5	Year 6 Electrical Circuits and Components
				Mains		Current
				Cell		Voltage
				Circuit		Series Circuit
				Components		Open Switch
				Electrical Conductor		Closed Switch
				Electrical Insulator		Terminals
						Electrons

Earth and Space

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5 Earth and Space	Year 6
					Axis	
					Waxing	
					Waning	
					Crescent	
					Gibbous	
					Orbit	
					Lunar	

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Evolution and Inheritance

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6 Evolution and Inheritance
						Evolution
						Adaptation
						Inherited
						DNA
						Variation