



Golden Thread	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<b>Good Health</b>	Physical development, Managing Self	My Body	Growth & survival	Health & Movement	Eating & Digestion	Life Cycles	Healthy Bodies
						Changes & Reproduction	
<b>Climate</b>	The Natural World	Seasonal Changes			States of Matter		
<b>Discovery</b>	Listening, Attention & Understanding; Speaking		Scientists of History e.g. Thomas Eddison Isaac Newton Alexander Graham Bell Dunlop	Rocks, Fossils & Soils		Earth & Space	Evolution & Inheritance
<b>Understanding and using Resources</b>	Creating with Materials	Everyday Materials	Exploring Everyday Materials		States of Matter	Properties & Changes of Materials	
<b>Our Environment</b>	Understanding the World -The Natural World	Identifying Plants	Living in Habitats	How Plants grow	Living in Environments		Classifying Organisms
		Identifying Animals	Growing plants				
<b>Energy</b>				Light & Shadow	Changing Sound	Forces in Action	Seeing Light
				Forces & Magnets	Circuits & Conductors		Changing Circuits



Overview with vocabulary Progression

Golden Thread	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<b>Good Health</b>	<b>Physical development, Managing Self</b>	<b>My Body</b>	<b>Growth &amp; survival</b>	<b>Health &amp; Movement</b>	<b>Eating &amp; Digestion</b>	<b>Life Cycles</b>	<b>Healthy Bodies</b>
			Survival, Water, Air, Food, Adult, Baby, Offspring, Kitten, Calf, Puppy, Exercise, Hygiene	Movement, Muscles, Bones, Skull, Nutrition, Skeletons,	Mouth, Tongue, Teeth, Oesophagus, Stomach, Small Intestine, Large Intestine, Herbivore, Carnivore, Canine, Incisor, Molar		
						<b>Changes &amp; Reproduction</b>	
						Foetus, Embryo, Womb, Gestation, Baby, Toddler, Teenager, Elderly, Growth, Development, Puberty; Circulatory, Heart, Blood Vessels, Veins, Arteries, Oxygenated, Deoxygenated, Valve, Exercise, Respiration	
<b>Climate</b>	<b>The Natural World</b>	<b>Seasonal Changes</b>			<b>States of Matter</b>		
		Summer, Spring, Autumn, Winter, Sun, Day, Moon, Night,			Evaporation, Condensation, Particles, Temperature, Freezing, Heating, Precipitation		



		Light, Dark					
<b>Discovery</b>	<b>Listening, Attention &amp; Understanding; Speaking</b>		<b>Scientists of History</b> e.g. Thomas Eddison Isaac Newton Alexander Graham Bell Dunlop	<b>Rocks, Fossils &amp; Soils</b>		<b>Earth &amp; Space</b>	<b>Evolution &amp; Inheritance</b>
				Fossils, Soils, Sandstone, Granite, Marble, Pumice, Crystals, sedimentary, metamorphic, igneous, absorbent/porous, durable, permeable, impermeable		Earth, Sun, Moon, Axis, Rotation, Day, Night, Phases of the Moon, star, constellation, waxing, waning, full, new, year, month,	Fossils, Adaptation, Evolution, Characteristics, Reproduction, Genetics
<b>Understanding and using Resources</b>	<b>Creating with Materials</b>	<b>Everyday Materials</b>	<b>Exploring Everyday Materials</b>		<b>States of Matter</b>	<b>Properties &amp; Changes of Materials</b>	
					Solid, Liquid, Gas, Evaporation, Condensation, Particles, Temperature, Freezing, Heating, Precipitation	Hardness, Solubility, Transparent, Opaque, Translucent, Magnetic, Filter, Evaporation, Dissolving, Mixing, Thermal conductor, thermal insulator, electrical conductor, electrical insulator	
<b>Our Environment</b>	<b>Understanding the World -The Natural World</b>	<b>Identifying Plants</b>	<b>Living in Habitats</b>	<b>How Plants grow</b>	<b>Living in Environments</b>		<b>Classifying Organisms</b>
		Deciduous, Evergreen,	Living, Dead, Habitat, Energy,	Air, Light, Water, Nutrients, Soil,	Vertebrates, Fish, Amphibians, Reptiles,		



		Tree, Leaves, Flowers (blossom), Petals, Fruit, Roots, Bulb, Seed, Trunk, Branches, Stem, Oak, Holly, Willow, Birch, Chestnut, Conker, Daisy, Buttercup, Rose, Daffodil, fruit	Food chain, Predator, Prey, Woodland, Pond, Desert	Reproduction, Transportation, Dispersal, Pollination, Flower,	Birds, Mammals, Invertebrates, Snails, Slugs, Worms, Spiders, Insects, Environment, Habitats		
		<b>Identifying Animals</b>	<b>Growing plants</b>				
<b>Energy</b>		Fish, Reptiles, Mammals, Birds, Amphibians (+ examples of each) Herbivore, Omnivore, Carnivore, Leg, Arm, Elbow, Head, Ear, Nose, Back, Wings, Beak	Seeds, Bulbs, Water, Light, Suitable temperature, Grow, Healthy, Germinate, Decompose				
				<b>Light &amp; Shadow</b>	<b>Changing Sound</b>	<b>Forces in Action</b>	<b>Seeing Light</b>
				Light, Shadows, Mirror, Reflective,	Volume, Vibration, Wave, Pitch, Tone, Speaker	Air resistance, Water resistance, Friction, Gravity, Newton, Gears,	



				Dark, Reflection, light source, cast		Pulleys, lever, force, pivot (fulcrum)	Changing Circuits
				<b>Forces &amp; Magnets</b>	<b>Circuits &amp; Conductors</b>		
				Magnetic, Force, Contact, Attract, Repel, Friction, Poles, Push, Pull	Cells, Wires, Bulbs, Switches, Buzzers, Battery, Circuit, Series, Conductors, Insulators, brightness		



### Key Vocabulary for Working Scientifically

Year 1	What...? How ....? Why ...? Similar, different, best and worst, change, plan look biggest and smallest, compare, sort and group
Year 2	observe, change, slowly, quickly, describe, name, identify, label, record, measure, bigger and smaller, pattern notice, cycle, predict
Year 3	gradually, identify, observe, recognise, investigate, record, units, table, fair, evidence, research, length, observations, prediction
Year 4	similarities, differences, research and source, scientists, discovery, process, cycle, measurements, conclude, evaluate, rank, plan, vary keep the same/constant bar graph table tally
Year 5	classify, interpret, pattern, relationship, prediction, analyse, interpret, conclude, evaluate, rank, variable, constants, control, repeat, key relationship line graph
Year 6	hypothesis, variable, constants, evaluate, plan, conclude, interpret, classify, categorise, database, enquiry, control, repeat, support, refute, degree of trust, scatter graph



Norton & West Chinnock Schools

**Subject: Science**