	Autumn	Spring	Summer
Years 1 & 2	Super Me	Homes	Land Ahoy
A	 Animals, including humans (Y1 & 2) Human nutrition and exercise Parts of the body 5 senses Identify, name, describe, compare common animals (inc pets) Animals have offspring that grow into adults Investigation Blind smelling test Seasonal Change (Y1) Changes in four seasons Seasonal weather Investigation Changes in weather / recording data 	 Living things and their habitats (Y2) Living things live in habitats suited to their needs Identify and name animals in habitats Investigation Compare features of different habitats Use of everyday materials (Y2) Identify and compare suitability of materials Solid shapes and how they can be changed Investigation Materials for homes 	 Animals, including humans (Y1 & 2) Identify and name sealife Identify carnivores, omnivores, herbivores Life cycles Living things and their habitats Food chains (sea and shore life) Explore different between living and not living. Plants Seeds, growth and health Investigation Impact of growing location Do seeds need soil? Why do some plants grow in some places and not in others?
Years 1 & 2 B	 Food and Harvest Animals including humans Food supply chain Human nutrition and exercise How animals get their food / food chains Life cycles Seasonal change Local and seasonal change Plants Bulbs and plant growth Investigation Do bulbs need soil to grow? Seasonal changes Identify seasons Identify changes Observe weather patterns Light / temperature changes Variation in day length 	 Toys Everyday Materials (Y1&2) Identify and name materials Describe physical properties Compare and group Find out how to change the shape of solids Compare how things move on different surfaces Investigation What is the best material for? Which material makes the car go furthest? 	 Down at the bottom of my garden Plants Identify and describe basic structure of flowering plants Name a range of plants and trees Habitats of plants Growth What they need to grow Investigation Flowering plant autopsy of different plants Similarities and differences? Living things and their habitats Plant / garden habitats Food chains Animals including humans Life cycles – butterflies, frog Describe and compare animals

	Autumn	Spring	Summer
Year 3 & 4	There's a Pharaoh in the bath!	Ruins	Who's invading now?
A	 Animals including humans (Y4) Digestive system Teeth Food chains Nutrition Investigation Mushy crackers (Saliva) Making poo What can you digest eg what happens to corn? Compare herbivores and carnivores Damage to teeth 	 Plants (Y3) Parts of a plant Requirements for life and growth How water is transported Classification and keys Life cycle of plants and seed dispersal Investigation Conditions for growth States of Matter (Y4) Solids, liquids and gases – compare and group materials Heating and cooling Water cycle – evaporation and condensation Investigation Change in state of water by temperature changes – freezing, evaporation, condensation 	 Light (Y3) Light is needed to see Light is reflected from surfaces How shadows are formed Find patterns that determine the size of shadows Sunlight can be dangerous - eyes Investigation Conduct a fair test to find the precise relationship between the distance of the torch and the size of the shadow Electricity (Y4) Identify what electricity is needed for Making simple circuits using different components Recognise common conductors and insulators; associate metals with good conductors
Year 3 & 4 B	Tribal Tales Rocks (Y3) Compare and group types of rocks Describe how fossils are formed Recognise how soil is made Investigation Hardness of rocks Permeability Differences in soils Forces and magnets (Y3) Compare movement on different surfaces The need for contact between objects / magnets How magnets attract / repel Compare and group materials by magnetic ability Describe poles Predict magnetism Investigation Magnetic materials	Off With her Head Sound (Y4) • How sounds are made – vibration • Recognise how vibrations travel to the ear • Patterns between pitch and the object it came from • Patterns between volume and strength of vibrations • Distance from sound source and faintness of sound Investigation • Sound insulation • Patterns in sound • Make instruments using pitch and volume	 The Romans are Coming Living things and their habitats (Y4) Grouping indifferent ways Classification keys Identify and name living things (local and wider environments) How environments can change, dangers posed Animals including humans (Y3) Skeletons Muscles Nutrition Investigation Identify and groups animals with / without skeletons Observe and compare movements Explore what would happen without skeletons / muscles

	Autumn	Spring	Summer
Year 5 & 6	A Child's War	Hola Mexico	Water of Life
A	 First Child's Wall Electricity (Y6) Associate brightness of a lamp or volume of a buzzer with the number of voltage of cells in the circuit Compare and give reasons for variations in how components function, including brightness of bulbs, loudness of buzzers and on/off position of switches Use recognised symbols when representing a simple circuit Investigation Creating different circuits for purposes eg to light / alarm. Animals including humans (Y6) Identify and name main parts of circulatory system and escribe functions of heart, blood vessels and blood Recognise impact of diet, exercise, drugs and lifestyle on the way bodies function Describe the ways nutrients and water are transported within animals including humans Investigation Effect of exercise on heart rate 	 Changes of materials (Y5) Know some materials dissolve and how to recover the substance Separating mixtures – filtering, sieving, evaporating Give reasons for uses of everyday materials Demonstrate reversible changes – dissolving, mixing, changes of state Some changes are irreversible – burning, Investigation How does temperature affect dissolving? How to separate materials in different ways. How the number of stirs affects dissolving Evolution and Inheritance(Y6) Living things have changed over time Fossils provide information about living things that have inhabited the earth Living things produce offspring of the same kind Variance and adaptations may lead to evolution Investigation The work of Mary Anning, Charles Darwin, Alfred Wallace How a giraffe's neck became so long 	 Living things and their Habitats (Y5&6) Classification of plants / micro-organisms into broad groups Reasons for classifying plants based on specific characteristics Life process of reproduction in plants. Differences in life cycles Investigation Asexual reproduction in plants Classification processes PSHE Link Coverered Puberty Changes Growing up
Year 5 & 6 B	Stargazers Earth and Space (Y5)	Up the mountain Forces & Magnetism (Y5)	Coasts Animals including humans (Y5)
	 Describe movement of the earth, and other planets, relative to the sun and solar system Describe movement of the moon Describe sun, earth and moon Use earth's rotation to explain day and night and apparent movement of the sun Sun safety – eyes Investigation Rocket design Solar system models 	 Gravity Air resistance Water resistance Friction Mechanisms that support forces Investigation Which surface the car moves fastest on Which material reduces friction? What is the best shaped parachute? 	 Living things and their habitats Animal life cycles Describe the changes as humans develop to old age Puberty Reproduction in animals Stages in growth and development Gestation periods of animals and humans

Light (Y6)	Properties of materials (Y5)	
Appears to travel in straight lines	Compare and group materials	
The eye	Materials for purpose	
Light travels from light sources to the eye	Absorbency	
Reflection of light	Keep temperature	
How we see	Soundproofing	
Light travels from light sources	Electrical health and safety	
Shadows		
Investigation	Investigation	
Does the distance of the light source affect the	Best 'fit for purpose' materials	
size of the shadow?		