

Long Term Plan- Substantive Knowledge Overview

	Animals including Humans	Earth and Space Including Seasonal Change	Electricity	Evolution & Inheritance	Forces and Magnets	Light	Living Things and their habitats	Materials (Including rocks)	Plants	Sound
Year 1	Am I an animal?	What is my favourite season? <i>Do plants last all year long?</i> Plants during different seasons					<i>Am I an animal?</i> Animals in local environment	Which material is best for Mrs Armitage's bike? Will he blow my house down?	Do plants last all year long? How do plants work? Which plants do we have at Senacre?	
Year 2	What do I need to be alive and healthy? How do offspring grow up?	<i>Can I still see the same living things?</i> How seasons affect microhabitat					What is a microhabitat and what can I find there? Why can't animals live everywhere? How do I know if something is alive? Can I still see the same living things?	Which materials build the strongest castles?	How do bulbs and seeds grow?	
Year 3	What am I made of? What nutrition do animals and humans need to eat?				What are magnets and how can they be useful?	What is light and how can we change the shape of shadows?		What is our planet made of?	What do the parts of a plant actually do?	
Year 4	What happens to the food we eat?		How does a bulb light up?				How are living things adapted to their environments?	Where does water end up?		How can we hear sounds?
Year 5	Are life cycles all the same? SRE Term 6	The Earth, Sun or Moon- which is the odd one out? How do we get day and night, the seasons and climates?	<i>Why are certain objects made from particular materials?</i> Electrical conductor		<i>Why are certain objects made from particular materials?</i> Magnetic What is a force and how can they help us? The Earth, Sun or Moon- which is the odd one out?	<i>Why are certain objects made from particular materials?</i> Transparency <i>How do we get day and night, the seasons and climates?</i> Shadows	Are life cycles all the same?	How would you survive on a desert island?	Are life cycles all the same?	
Year 6	How do an animal's living systems work together to maintain a healthy body?		How can we vary the effects of electricity?	What happened when Charles Darwin visited the Galapagos islands?		How do I see?	What is classification? What do different types of microorganism do? Deforestation: environmental nightmare or necessary evil?	<i>What happened when Charles Darwin visited the Galapagos islands?</i> Fossils		

NB Questions in italics are where pupils will need to retrieve information from different content domains to those listed by the National Curriculum.