



Science Progression Map

Subject Leader: Miss Brown

	Nursery	Reception	Year 1	Year 2
Working scientifically	<ul style="list-style-type: none"> -ask questions about the world around them -use open ended resources with some support and scaffolding from adults -explore the natural environment 	<ul style="list-style-type: none"> -ask and answer questions about the world around them -explore the natural environment and be motivated to find out by explaining what they are doing 	<ul style="list-style-type: none"> -Know what a fair test is -perform simple tests and investigations which are adult directed -make predictions 	<ul style="list-style-type: none"> -plan fair tests -ask a range of scientific questions -record and explain results and say what they may have done differently next time -know and use the terms 'control' and 'variable'
Plants	<ul style="list-style-type: none"> -plant seeds and bulbs and know how to take care of them when they are growing -observe and discuss changes observed using appropriate vocabulary -begin to name parts of plant; leaf, flower, root 	<ul style="list-style-type: none"> -name the parts of a plant; leaf, stem, root, petal, flower -plant different seeds; observing and commenting on their growth 	<ul style="list-style-type: none"> -learn the names of common plants and trees know about the difference between evergreen and deciduous plants -know the basic structure of plants; leaf, stem, root, flower, petal -understand and explain why plants need light, water and correct temperature to grow 	<ul style="list-style-type: none"> -know the basic structure of plants; leaf, stem, root, flower, petal and the function of these parts
Animals including humans	<ul style="list-style-type: none"> -name parts of the body -know how humans and animals move using a range of verbs; running, jumping, crawling -name animals and compare differences between animals -learn simple names for garden insects and 	<ul style="list-style-type: none"> -name and label parts of the body -know the body parts of insects; thorax, legs, abdomen, head, antennae -know and understand the life cycle of a garden insect 	<ul style="list-style-type: none"> -know the five senses -Identify, name and label parts of the human body and skeleton -classify animals into different groups amphibians, reptiles, mammals, birds, fish (identify their structure) -know about the habitat, diet and behaviour of rabbits 	<ul style="list-style-type: none"> -understand how humans can keep themselves healthy -know how penguins adapt to their environment -know the food chain of a penguin -use a food web to identify different food chains of the Antarctic habitat

	understand how to respect the habitat of insects		-classify and compare animals by their diet in the context of African animals	
Seasonal changes	<ul style="list-style-type: none"> -know how to dress for seasonal changes -observe changes in the natural environment and comment on changes observed -know it is 'today' and understand 'now' and 'next' 	<ul style="list-style-type: none"> -know the days of the week in order -know the names of the four seasons and some features of the seasons through the text 'a tiny seed' -understand and use the words 'today', 'yesterday' and 'tomorrow' 	<ul style="list-style-type: none"> -know and record the weather for each season - understand the water cycle -know and use the vocabulary 'this week' 	<ul style="list-style-type: none"> -know which months are in each season -know the months of the year in order
Materials	<ul style="list-style-type: none"> -describe the texture of materials; hard, soft, bumpy, rough, smooth -choose and use materials for a purpose and talk about why they have chosen that material 	<ul style="list-style-type: none"> -know and understand the terms 'waterproof' and 'not waterproof' -use materials to achieve a planned effect 	<ul style="list-style-type: none"> -distinguish and identify between an object and the material that it is made from. -know and understand the terms 'opaque' 'translucent' and 'transparent' -use and understand the terms 'waterproof' and 'absorbent' 	<ul style="list-style-type: none"> -test the suitability of materials for a purpose and explain results -know how materials can change by bending, snapping, twisting