Science –KS1
Progression of Knowledge and Skills

	Year 1 - Cycle A			Year 2 - Cycle A		
Term	Autumn	Spring	Summer	Autumn	Spring	Summer
Topic	Homes and Habitats Sparkle and Shine	Dragons and Castles Near and Far	All creatures great and small Journeys	Homes and Habitats Sparkle and Shine	Dragons and Castles Near and Far	All creatures great and small Journeys
Working Scientifically	**Ask questions, observe, test, identify and classify, use observations, record data, use scientific vocabulary** I know how to ask simple scientific questions I know how to use simple equipment to make observations I know how to carry out simple tests I know how to identify and classify things I know how to explain to others what I have found out I know how to use simple data to answer questions			**Ask questions, observe, test, identify and classify, use observations, record data, use scientific vocabulary** I know how to ask simple scientific questions I know how to use simple equipment to make observations I know how to carry out simple tests I know how to identify and classify things I know how to explain to others what I have found out I know how to use simple data to answer questions		
Biology						
Plants		Identify and name a variety of common wild and garden, including deciduous and evergreen trees. Identify and describe the basic structure of a variety of common flowering plants, including trees.			Observe and describe how seeds and bulbs grow into mature plants. Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy	
Animals, including humans			Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals. Identify and name a variety of common animals that are carnivores, herbivores and omnivores Describe and compare the structure of a variety of common animals. Identify, name, draw and label the basic parts of the human			Notice that animals, including humans, have offspring which grow into adults. Find out about and describe the basic needs of animals including humans for survival. Describe the importance for humans of exercise, eating the right amounts of different types of food and hygiene.

			body and say which part of the body is associated with each sense.			
Living things and their habitats				Explore and compare the difference between things that are living, dead and things that have never been alive. Identify that most living things live in habitats to which they are suited and describe how different habitats provide of the basic needs of different kinks of animals and plants and how they depend on each other. Identify and name a variety of plants and animals in their habitats including micro habitats.		Describe how animals obtain their food from plants and other animals using the idea of a simple food chain and identify and name different sources of food.
Chemistry						
Everyday materials	Identify and name a variety of everyday materials. Describe the simple physical properties of a variety of everyday materials	Distinguish between an object and the material it is made from. Compare and group together a variety of everyday material on the basis of their simple physical properties				
Uses of everyday materials				Identify and compare the suitability of a variety of everyday materials.	Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.	

Science –KS1
Progression of Knowledge and Skills

Physics						
Seasonal changes	Observe changes across the four seasons. Observe and describe weather associated with the seasons and how day length varies					
Impact/key assessment criteria:	Through investigating the knowledge and skills above a Year 1 Scientist will be able to: - Know how to ask and answer simple scientific questions - Know how to use simple equipment to make observations - Know how to carry out simple tests - Know how to identify and classify things - Know how to explain to others what they have found out - Know how to use simple data to answer questions			Through investigating the knowledge and skills above a Year 2 Scientist will be able to: - Know how to ask and answer simple scientific questions - Know how to use simple equipment to make observations - Know how to carry out simple tests - Know how to identify and classify things - Know how to explain to others what they have found out - Know how to use simple data to answer questions		

Science –KS1
Progression of Knowledge and Skills

	Year 1 - Cycle B			Year 2 - Cycle B		
Term	Autumn	Spring	Summer	Autumn	Spring	Summer
Topic	Marvellous Me Once Upon a time	Weird worlds and wild weather Sowing and growing	Superheroes The Seven Seas	Marvellous Me Once Upon a time	Weird worlds and wild weather Sowing and growing	Superheroes The Seven Seas
Working Scientifically	**Ask questions, observe, test, identify and classify, use observations, record data, use scientific vocabulary** I know how to ask simple scientific questions I know how to use simple equipment to make observations I know how to carry out simple tests I know how to identify and classify things I know how to explain to others what I have found out I know how to use simple data to answer questions			**Ask questions, observe, test, identify and classify, use observations, record data, use scientific vocabulary** I know how to ask simple scientific questions I know how to use simple equipment to make observations I know how to carry out simple tests I know how to identify and classify things I know how to explain to others what I have found out I know how to use simple data to answer questions		
Biology						
Plants		Identify and name a variety of common wild and garden, including deciduous and evergreen trees. Identify and describe the basic structure of a variety of common flowering plants, including trees.			Observe and describe how seeds and bulbs grow into mature plants. Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy	
Animals, including humans	Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.		Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals. Identify and name a variety of common animals that are carnivores, herbivores and omnivores Describe and compare the structure of a variety of common animals.	Notice that animals, including humans, have offspring which grow into adults. Find out about and describe the basic needs of animals including humans for survival.		Describe the importance for humans of exercise, eating the right amounts of different types of food and hygiene.

Living things and their habitats						Explore and compare the difference between things that are living, dead and things that have never been alive. Identify that most living things live in habitats to which they are suited and describe how different habitats provide of the basic needs of different kinks of animals and plants and how they depend on each other. Identify and name a variety of plants and animals in their habitats including micro habitats. Describe how animals obtain their food from plants and other animals using the idea of a simple food chain and identify and name different sources of food.
Chemistry						
Everyday materials	Identify and name a variety of everyday materials. Describe the simple physical properties of a variety of everyday materials Distinguish between an object and the material it is made from. Compare and group together a variety of					

	everyday material on the basis of their simple physical properties					
Uses of everyday materials				Identify and compare the suitability of a variety of everyday materials. Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.		
Physics						
Seasonal changes	Observe changes across the four seasons. Observe and describe weather associated with the seasons and how day length varies					
Impact/key assessment criteria:	Through investigating the knowledge and skills above a Year 1 Scientist will be able to: - Know how to ask and answer simple scientific questions - Know how to use simple equipment to make observations - Know how to carry out simple tests - Know how to identify and classify things - Know how to explain to others what they have found out Know how to use simple data to answer questions			Through investigating the knowledge and skills above a Year 2 Scientist will be able to: - Know how to ask and answer simple scientific questions - Know how to use simple equipment to make observations - Know how to carry out simple tests - Know how to identify and classify things - Know how to explain to others what they have found out - Know how to use simple data to answer questions		