Science Curriculum Map.

Early Years					
Autumn		**Spring**		**Summer**	
1st	**2nd**	**1st**	**2nd**	**1st**	**2nd**
Seasonal Change Understand the effect of changing seasons on the natural world around them.	**Seasonal Change** Understand the effect of changing seasons on the natural world around them.	**Animals Including Humans** Name and describe people who are familiar to them.	**Living Things and their Habitats** Explore the natural world around them.	**Plants** Explore the natural world around them.	**Materials - STEAM Project** Explore the natural world around them

Year 1					
Autumn		**Spring**		**Summer**	
1st	**2nd**	**1st**	**2nd**	**1st**	**2nd**
Animals Including Humans -What are the names of a variety of common animals? (fish, amphibians, reptiles, birds, mammals, carnivores, herbivores and omnivores) - What are the basic parts of the human body? - Which part of the body is associated	**Seasonal Change** Observe and describe weather and seasons	**Materials** -What material is an object made from? - What are the simple physical properties of a variety of everyday materials? - How can I compare and group together a variety of everyday materials on the basis of their simple physi-cal properties?	**Seasonal Change** - Observe and describe weather and seasons.	**Plants** - How can you identify and name common wild and garden plants? How can you identify and describe the basic structure of a variety of common flowering plants, including trees?	**Seasonal Change** - Observe and describe weather and seasons. **STEAM Project**

with each sense?					
Year 2					
Autumn		**Spring**		**Summer**	
1st	**2nd**	**1st**	**2nd**	**1st**	**2nd**
Animals Including Humans -How do different baby animals grow into adults? -What are the basic needs of animals for survival?	**Animals Including Humans** -How can I be hygienic? -What is a healthy diet and why is it important? -Why is exercise important?	**Materials** -What materials are objects made from and why? -What make a material suitable for its purpose? -How can objects be changed?	**Materials** -Which materials are waterproof and which are absorbent? -Which materials are best for certain purposes?	**Plants** -How are seeds and bulbs similar and different? -What do plants need to grow well?	**Living Things and their Habitats** -How are living things suited to their habitats? -What micro-habitats are in our local environment? -What is a food chain? **STEAM Project**
Year 3					
Autumn		**Spring**		**Summer**	
1st	**2nd**	**1st**	**2nd**	**1st**	**2nd**
Rocks Comparing and grouping together rocks based on appearance/physical properties, describing how fossils are formed and recognising soils are made from rocks and organic matter.	**Animals Including Humans** Identifying that animals, including humans, need the right types of nutrition, they cannot make their own food and therefore nutrition comes from what humans eat.	**Light** Noticing that light is reflected from surfaces and recognising that light is needed to see, can form shadows, but can require protection against it.	**Animals Including Humans** Identifying that humans and some other animals have skeletons and muscles for support, protection and movement.	**Forces and magnets–** Noticing, observing and comparing forces between two objects and grouping together materials based on their magnetism	**Plants** Identifying and describing the functions of different parts of flowering plants. Exploring requirements of plants for life and growth and investigating the way

					in which water is transported within plants.
Year 4					
Autumn		**Spring**		**Summer**	
1st	**2nd**	**1st**	**2nd**	**1st**	**2nd**
Living Things and their Habitats How can we classify living things? Compare and contrast living things observed, Classify living things found in different habitats based on their features, Create a simple identification key	**Animals Including Humans** How do animals including humans stay alive? Research parts of the digestive system, identify which teeth are being used to eat different foods, Classify animals as herbivores, carnivores or omnivores	**Materials** **States of Matter –** What are materials made of? What are the different states of matter, and how does matter change state? Which changes are reversible or irreversible?	**Sound** What is sound? How is sound made and transmitted? How do living things hear sounds? What materials insulate sound?	**Electricity** What is electricity? What are the different parts of a basic circuit? How do materials conduct electricity, and what materials are good conductors?	**STEAM Project**
Year 5					
Autumn		**Spring**		**Summer**	
1st	**2nd**	**1st**	**2nd**	**1st**	**2nd**
Living Things and their Habitats What is the same and what is different in the life cycles of an insect, a bird, a reptile and a mammal?	**Materials** How can we compare and group materials using a variety of criteria?	**Materials** Reversible and irreversible changes Planning and conducting experiments Which materials are best for which job?	**Space** What are orbits and how do they create daily and seasonal patterns? Which scientists were involved in the Space Race?	**Forces** Gravity Water and air resistance, including friction Mechanisms including levers, pulleys and gears	**Animals Including Humans** How do humans change as they grow towards old age?

How do some plants and animals reproduce?					

Year 6					
Autumn		**Spring**		**Summer**	
1st	**2nd**	**1st**	**2nd**	**1st**	**2nd**
Living Things and their Habitats How can we classify living things? What can we assume about a living thing based on where it lives?	**Animals Including Humans** What is in our blood and what does our blood do? How can we keep our circulatory system healthy? What is absorption and Osmosis and where do they happen in our bodies?	**Light** What are the properties of light? How does light travel and how can we affect the movement of light?	**Electricity** How can I represent the circuits that I have created? How does voltage impact the elements that work in a circuit?	**STEAM Project** Project linked to changing habitats	Evolution and Inheritance How have living things changed over history? Why do living things look similar but different from their parents?