



The Grange Science Curriculum Overview: Mainstream



		Autumn		Spring		Summer	
	Nursery	Children will know the names of body parts: heads, arms, hands, legs, feet, neck.	Children will know how materials change when cooking, cooling and heating.	Children will know how materials change when melting. Children will explore and talk about forces including magnets, floating/sinking and stretching.	Children will know how to respect and care for living things. Children will investigate light, dark and shadows. Children will make collections of natural materials to investigate and talk about.	Children will know that seeds can turn into plants. Children will begin to understand how it takes time to grow fruit and vegetables. Children will plant and grow a fruit/vegetable/herb.	Children will know that a butterfly comes from an egg.

EYFS	Reception	Children will know the names of body parts: shoulders, elbows, knees, ankles. Children will know the 5 senses. Children will know that this time of year is Autumn.	Children will identify plastic and metal. Children will know that there are 8 planets in the solar system. Children will explore the strength of materials to make a house for the 3 Little Pigs.	Children will know that this time of year is Winter. Children will explore floating and sinking. Children will know what material a magnet picks up.	Children will observe changes and growth of chicks. Children will know the life cycle of a chick. Children will know that this time of year is Spring.	Children will know the names of the 4 seasons and weather associated with them. Children will know the life cycle of a sunflower. Children will know how to care for a plant. Children will observe how a tree has changed over the 4 seasons.	Children will know that this time of year is Summer. Children will know that some animals can live underwater. Children will melt and solidify different substances such as chocolate and butter.
	KS1	Year 1	Continuous: Seasonal Changes				
			Animals Including Humans		Everyday Materials		Plants
		Year 2	Animals including Humans	Living Things and Their Habitats	Uses of Everyday materials		Plants Living Things and Their Habitats
KS2	Year 3	Animals Including Humans	Rocks		Plants	Light	Forces and Magnets
	Year 4	Electricity	Sound		States of Matter	Animals Including Humans	Living Things and Their Habitats
	Year 5	Properties and Changes of Materials	Living Things and Their Habitats		Earth and Space	Forces	Animals Including Humans
	Year 6	Living Things and Their Habitats	Evolution and Inheritance		Animals Including Humans	Electricity	Light