

Linking Science Topics with National Curriculum Content- Year 2

Term	Topic	National Curriculum Knowledge Content	National Curriculum Working Scientifically Skills
Autumn 1	Materials	Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses	Asking simple questions and recognising that they can be answered in different ways Observing closely, using simple equipment Performing simple tests Identifying and classifying Using their observations and ideas to suggest answers to questions Gathering and recording data to help in answering questions.
Autumn 2	Habitats	Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds 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	Asking simple questions and recognising that they can be answered in different ways Observing closely, using simple equipment Using their observations and ideas to suggest answers to questions Gathering and recording data to help in answering questions.
Spring 1	Changing Shape	Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.	Asking simple questions and recognising that they can be answered in different ways Observing closely, using simple equipment Performing simple tests Identifying and classifying Gathering and recording data to help in answering questions.
Spring 2	Growing Plants	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.	Asking simple questions and recognising that they can be answered in different ways Observing closely, using simple equipment Performing simple tests Using their observations and ideas to suggest answers to questions
Summer 1	Health	Find out about and describe the basic needs of animals, including humans, for survival (water, food and air) Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.	Observing closely, using simple equipment Identifying and classifying Gathering and recording data to help in answering questions.
Summer 2	Life Cycles	Explore and compare the differences between things that are living, dead, and things that have never been alive Notice that animals, including humans, have offspring which grow into adults	Observing closely, using simple equipment Identifying and classifying Using their observations and ideas to suggest answers to questions Gathering and recording data to help in answering questions.
	Electricity Extra St Michael's topic	Investigate the role of different electrical components. Build simple circuits, and investigate which allow electricity to flow.	Asking simple questions and recognising that they can be answered in different ways Observing closely, using simple equipment Performing simple tests