

Period Taught (Half term/number of weeks etc.)	Unit/Topic To Be Taught	Key Areas Covered within Unit/Topic Main Objectives
Autumn 1 7 weeks	Earth and Space	<ul style="list-style-type: none"> • Describe the movement of the Earth and other planets relative to the sun in the solar system • Describe the movement of the moon relative to the earth • Describe the sun, earth and moon as approximately spherical bodies • Use the idea of the earth's rotation to explain day and night
Autumn 2 7 weeks	Forces	<ul style="list-style-type: none"> • Explain that unsupported objects fall to the earth because of the force of gravity acting between the earth and the falling object. • Identify the effects of air resistance, water resistance and friction that act between moving surfaces. • Recognise that some mechanisms, including levers, pulleys and gears allow a smaller force to have a greater effect.
Spring 1 6 Weeks	Properties and Changes of Materials	<ul style="list-style-type: none"> • Compare and group together everyday materials based on their properties. • Know that some materials will dissolve in liquid to form a solution and how to recover a substance from a solution. • Use knowledge of solids, liquids and gases to decide how mixtures might be separated through filtering, sieving and evaporating. • Give reasons based on evidence from comparative and fair tests for the particular uses of everyday materials.

		<ul style="list-style-type: none"> • Demonstrate that dissolving, mixing and changes of state are reversible changes. • Explain that some changes result in the formation of new materials and that this kind of change is not usually reversible.
Spring 2 6 Weeks	STEM	<ul style="list-style-type: none"> • To plan and design a solution to a problem. • To create a model based on their design. • Test and improve their model. • Reflect upon their project and make improvements for the future.
Summer 1	Living Things and their Habitats	<ul style="list-style-type: none"> • Describe the differences in the lifecycle of a mammal, an amphibian, an insect and a bird. • Describe the life process of reproduction in some plants and animals.
Summer 2	Animals including Humans	<ul style="list-style-type: none"> • Describe the changes as humans develop to old age.