

Year 5 Medium Term Plan

Term	Theme	Pupils will learn.....
Autumn 1	Properties and changes of materials	<ul style="list-style-type: none"> -Compare and group materials based on their properties - hardness, solubility, transparency, conductivity and response to magnets. -know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution -Describe processes that might be used to separate mixtures including through filtering, sieving and evaporating -Show how to recover a substance from a solution. -Give evidenced reasons why materials should be used for specific purposes including metals, wood and plastic. -Demonstrate that dissolving, mixing and changes of state are reversible changes -Explain how some changes result in the formation of a new material and that this is usually irreversible (include changes associated with burning and the action of acid on bicarbonate of soda).
Autumn 2	Properties and changes of materials	SEE ABOVE
Spring1	Earth and Space	<ul style="list-style-type: none"> -Describe and explain the movement of the Earth and other planets relative to the Sun. -Describe and explain the movement of the Moon relative to the Earth. -Describe the Sun, Earth and Moon (using the term spherical). -find out about the size of the Earth, Moon and Sun and how far they are away from each other -Explain the apparent movement of the sun across the sky in terms of the earth's rotation and that this results in day and night. -Use data to draw conclusions about the Sun at different times of the year

Spring 2	Lifecycles	<ul style="list-style-type: none"> - Describe the life process of reproduction in some plants and animals - Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird - Describe the changes as humans develop to old age
Summer 1	Forces in action	<ul style="list-style-type: none"> - Explain that unsupported objects fall towards 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.
Summer 2	Forces in action	SEE ABOVE