

## KS2 Science LTP

This LTP is our response to the requirements of the National Curriculum in England: science programmes of study 2015, whilst meeting the unique needs of a whole Key Stage in one class.

Using Engaging Science, we ensure all elements of the programme of study are met. When topics are repeated in Lower and Upper KS2 (e.g. Light, Electricity, Classification), outcomes are drawn directly from Engaging Science and progression map. When topics are visited once in the Key Stage, the classroom teacher differentiates objectives in relation to the progression map. The two-year rolling programme allows pupils to visit the topics twice throughout the Key Stage, building on previous outcomes and scientific skills.

Engaging Science Topics LKS2; Animals and Skeletons, Magnets, Plants, Light, Rocks, Classification, Digestion, Electricity, Sound, States of Matter

Engaging Science Topics UKS2; Life-cycles, Earth and Space, Mixtures and Reactions, Human Development, Forces, Heart and Lungs, Classification, Electricity, Light, Evolution

Two year rolling programme

Cycle	AUTUMN	SPRING	SUMMER
<b>A</b>	Life Cycles  Electricity	Earth & Space  Rocks  Sound	Light  *Classification & Evolution
<b>B</b>	Animals & Skeletons  (Human Development Y5&6)	Magnets/Forces  Digestion*/Heart & Lungs	States of Matter/Mixtures and Reactions  Plants

Science Days

Engaging Science offers short ongoing scientific units which are covered through one-off Science days. Topics covered are Animal Homes, Respecting our Environment, Decay and recycling, field studies

\*Notes\*

\*Children must experience Life-cycles prior to Classification and Evolution. Therefore these topics are kept within the same cycle.

\*Children will build on knowledge from Animals and Skeletons, in order to understand animals including humans 'get nutrition from what they eat', into digestion. If Y6 begin on cycle B, they must have this prior knowledge. Therefore these topics are kept within the same cycle.