

KS1 Science (Subject Content) - 2 Year Rolling Programme

Personal success for every pupil in a happy, stimulating and caring environment.

Pupils are encouraged to look more closely at the natural and humanly constructed world around them. They are encouraged to ask questions and use different types of scientific enquiry, including observation, noticing patterns, grouping and classification, and simple comparative tests to answer their questions. Pupils are encouraged to use secondary sources of information to research programmes of study.

Pupils begin to use simple scientific language to discuss their findings.

First hand practical experience is supported through appropriate secondary sources, including books, photographs and carefully monitored internet sites.

Pupils read and spell scientific vocabulary at a level which is appropriate to their developing reading and spelling skills across key stage 1.

Medium Term Planning identifies differentiation across year groups.

Year	Autumn	Spring	Summer
A 2016/17 2018/19	<p>Everyday Materials Identify and name everyday materials. Describe the simple properties of materials and compare the suitability of different materials for particular uses, including housing. Why was London built in stone after the Great Fire of London? Or similar enquiry, (history) Investigate how different materials can be used for the same thing. Group these materials together by properties. <i>Inventor: eg John Dunlop</i></p> <p>Humans Parts of the body and senses How do humans stay healthy? Diet; including dental care; hygiene, exercise.</p>	<p>Weather and Seasons Changes in the weather and the seasons: locally and across the UK; investigate changes in day length (geography, maths)</p> <p>Changes in climate across the world (geography: non-European country)</p> <p>Living Things Sort animals according to preferred climate, including less familiar habitats: eg, rainforests</p>	<p>Everyday Materials Investigate the properties of artefacts and inventions linked to history study, eg plastic; paper/cardboard; changes in fashion, including swimming at the seaside. Importance of recycling (eco) (A & B)</p> <p>Humans Skeletons How do we move? How do we protect the skeleton? Body parts Why do humans need clothing? What else do humans need to survive? Survival: growth into adults.</p>

KS1 Science (Subject Content) - 2 Year Rolling Programme

Personal success for every pupil in a happy, stimulating and caring environment.

Year	Autumn	Spring	Summer
<p>B</p> <p>2017/18</p> <p>2019/20</p>	<p>Everyday Materials Identify and name everyday materials. Compare the suitability of everyday materials for particular uses including shelter in different climates (geography)</p> <p>Investigate how shapes of solid objects can be changed (squashing, bending, etc) by weather (geography)</p> <p>Enquiry: How can I keep cool at the Equator; warm at the Poles? (geography) <i>Inventor: eg Charles Macintosh</i> Contrasts with our climate (data, maths)</p> <p>Animals Identify and name variety of animals around the world. Habitats. Carnivore/herbivore/omnivore. Simple food chains Skeletons, inc dinosaurs (history) Survival: growth of young animals into adults</p>	<p>Living Things Identify and name plants and trees, including deciduous and evergreen.</p> <p>Growth: Observe how seeds and bulbs develop into mature plants. Investigate factors for successful growth, including climate. Enquiry: Why do different plants and trees grow in different climates?</p> <p>Identify and name plants and animals in the local area: habitats, including microhabitats in school grounds. (history, geography) Local climate: impact on local habitats and microhabitats</p>	<p>Weather and Seasons Investigate climate linked to history and geography studies and/or</p> <p>Everyday Materials Properties of everyday recycled materials in 3-D art (art and eco) Materials which plait and weave (art) Importance of recycling (eco) Plastic: Problems and benefits (eco) Investigate properties of materials linked to history and geography studies and/or</p> <p>Living Things Investigate - how do humans survive in an aircraft/in space? (history)</p>

KS1 Science (Subject Content) - 2 Year Rolling Programme

Personal success for every pupil in a happy, stimulating and caring environment.