

Science intent statement

Normanton Junior Academy

The intent of our science curriculum is to ensure that pupils:

- Acquire the **skills** how to plan and carry out a range of scientific experiments accurately and fairly to discover new information and test hypotheses;
- Develop their scientific knowledge and conceptual **understanding** of biology, chemistry and physics, and understand the difference between these three strands of science;
- Are exposed to high quality scientific vocabulary, allowing them to articulate scientific concepts clearly and precisely;
- Are equipped with the scientific **knowledge** required to understand the uses and implications of science, today and for the future, especially with regard to climate change and marine pollution.

Science units are integrated into the twelve main topic areas wherever applicable, but taught discretely where this would not be the most effective way to teach pupils the relevant knowledge, skills and information.

Science curriculum overview

Year group	Autumn 1		Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 3	Light	Forces		Plants	Rocks	Animals, including humans	
Year 4	States of matter		Sound	All living things		Electricity	
Year 5	Properties and changes of materials			Earth and space	Scientific discoveries	Forces	Habitats & life cycles
Year 6	States of matter	Electricity			Power sources	Evolution	Light