



**COMMUNITY
& LOCATION**



**ADVENTURE
& INTRIGUE**



**NURTURING
YOUNG MINDS**



**MORAL VALUES
& DIVERSITY**



SCIENCE

INTENT

To deliver an **ambitious science** education which will engage and inspire our pupils to be curious and ask questions about what they notice whilst developing a love of science.

To embed science across the Academy using a progressive curriculum so that every child can reach their **potential**

To make use our local environment and community to enhance our science curriculum and achieve **excellence** in it's delivery

To enable children to work **together and collaboratively** and practically to investigate and experiment.

To ensure children understand that Science is everywhere in everyday life by providing opportunities for them to experience and observe the natural and humanly created world around them.

IMPLEMENTATION

A clear and progressive scheme of work in line with the National Curriculum where teaching and learning should show progression in scientific knowledge, vocabulary and skills across EYFS and KS1 within the strands of Science.

Children will be able to build on prior knowledge and vocabulary enabling them to question and become enquiry based learners.

All children will be encouraged to develop their understanding of scientific ideas by using different types of scientific enquiry to answer their own questions, including observing changes over a period of time, noticing patterns, grouping and classifying things, carrying out simple comparative tests, and finding things out using secondary sources of information.

Learning will be supported through first-hand practical experiences and children will be encouraged to ask questions, enquire and investigate.

Class floor books will be utilised to record evidence of scientific enquiry and capture disciplinary knowledge and pupil understanding

Children will be given opportunities to use secondary sources, such as books, photographs and videos to develop their learning further.

Enrichment activities will be provided throughout the year, providing relevance and context to learning.

Children will be inspired to engage with different forms of Science through a range of enrichment activities e.g. science days and science bags.

The children will be inspired to enquire and investigate outside of the academy hours through the use of a 'Science backpack'.

Academy Science lead will help develop provision across the academy and ensure curriculum coverage within science.

Assessment of children's understanding of key objectives listed within the knowledge organisers will be collated termly.

Participation in key national and global events to further enrich Science provision.

Pupil voice will be used to establish the impact of the science curriculum on children's education

IMPACT

Demonstrate a love of science work and an interest in further study and work in this field.

Retain knowledge that is pertinent to Science with a real life context.

Be able to question ideas and reflect on knowledge.

Be able to articulate their understanding of scientific concepts and be able to reason scientifically using rich language linked to science.

Work collaboratively and practically to investigate and experiment.