



## Science at Unity



### Intent

At Unity Academy, we want our children to remember the science lessons that they participate in, to cherish these memories and embrace any scientific opportunities they are presented with.

Our intent is to give every child a broad and balanced Science curriculum which enables them to confidently explore and discover what is around them, so that they have a deeper understanding of the world we live in. To achieve this, it comprises of stimulating, practical hands-on experiences that encourage curiosity and questioning. Our aim is that these inspiring and challenging experiences help every child secure and extend their scientific knowledge and vocabulary, as well as promoting a love and thirst for lifelong learning.

We have created a sequence of learning that enables the children to investigate the everyday concepts and adaptations to our ever-changing world. Our curriculum encompasses the scientific disciplines of biology, chemistry and physics and aims to expand the children's knowledge and deepen understanding.

We want our children to foster a love of all areas of science and to think like scientists.

### Implementation

At Unity Academy we have weekly science lessons. Through these lessons teachers promote enjoyment and foster interest of the scientific disciplines. Children are encouraged to work scientifically to explore, question, predict, plan, carry out investigations, make observations and conclude their findings. Children present their findings and learning using science specific language, observations and diagrams.

The progression of knowledge and skills for working scientifically are developed through the year groups with increasing depth and challenge.

#### **By the end of their journey in Science pupils will:**

- Be equipped with using their senses to investigate the world around them
- Become inquisitive and ask thought provoking questions
- Have developed skills to plan and carry out scientific enquiries, record observations over time, research and conduct fair testing
- Communicate their findings through drawings, charts and tables
- Effectively use and apply Scientific language to their learning
- Have a clear understanding of how scientists, both past and present have contributed to society's understanding of the world around them

### Impact

The impact and measure of this is the children's ability to know more, remember more and explain more.

All children will have:

- A wider variety of skills linked to both scientific knowledge and understanding, and scientific enquiry / investigative skills.
- A richer vocabulary which will enable them to articulate their understanding of taught concepts.

Children's progress throughout their time at Unity Academy, will be measured using a Science Assessment document.