

Science at Alexandra Primary School – Our Intentions:

Science in our school is about developing children’s ideas and ways of working to enable them to make sense of the world in which they live through investigation, as well as using and applying process skills. A high-quality science education provides the foundations for understanding the world through the specific disciplines of biology, chemistry and physics.

APS vision for teaching Science:

At Alexandra Primary School, our vision for Science is to give children exciting, practical, 'hands-on' experiences that encourage curiosity and questioning.

Our aim is that these stimulating and challenging experiences will help children secure and extend their scientific knowledge and vocabulary.

We believe that these opportunities will ensure that our children are confident, life-long learners who will continue to explore the world around them and have a deeper understanding of the world in which we live.

Science at Alexandra Primary School aims to ensure that all children:

- develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics.
- develop understanding of the nature, processes and methods of science through different types of science enquiries that help them to answer scientific questions about the world around them.
- are equipped with the scientific skills required to understand the uses and implications of science, today and for the future.

We ensure that the Working Scientifically skills are developed throughout children’s school career so that they can use equipment, conduct experiments, build arguments and explain concepts confidently and continue to ask questions and be curious about their surroundings.

As one of the core subjects taught in Primary Schools, we give the teaching and learning of Science the prominence it requires.

The principles for teaching and learning Science at APS:

- All children are active and engaged in their learning.
- Scientific resources are organised, accessible and used effectively to optimise learning.
- Science lessons include a wide variety of activities. These activities are practical, engaging and 'hands-on'.
- Children and adults use appropriate scientific vocabulary to explain their thinking.
- Science displays are used to support learning.
- Science lessons are related to the real world and meaningful cross-curricular links are made.
- Children have fun, are challenged and make good progress.

At APS, we believe science is for everyone. We recognise the importance of science in every aspect of daily life. Having an understanding of science, associated vocabulary and processes, allows people to make informed decisions about new technologies, their health and help understand the uses and implications of science now and in the future.