

Curriculum

The national curriculum for science aims to ensure that all pupils:

- ♣ 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 knowledge required to understand the uses and implications of science, today and for the future.

At Ardley Hill Academy, Science and Understanding the World (EYFS) is being effectively taught in all Key Stages through the Creative Curriculum. In addition to this, years 1 to 4 have a weekly science lesson where they develop their skills to work scientifically. In years 5 and 6, the science objects are covered during Topic, where the children take part in some fantastic science activities.

Assessment

Assessment of Science takes place termly and the children's progress, attitudes and attainment in science is displayed on their interim reports. The science lead conducts learning walks, pupil conversations, book and planning scrutinies throughout the year to further assess. Within lessons pupils often self-assess their work and are also encouraged to peer-assess too. Teachers review the children's own assessment and complete their own during and at the end of each lesson to inform future lessons. In addition, teachers and teaching assistants use questioning to formatively assess throughout lessons.

Aims and Objectives

At Ardley Hill Academy, our aim is to guide children to explore their curiosity and satisfy their inquisitive minds. We engage the children's interest through investigations, practical experiments and questioning. Pupils will learn the skills to enable them to reach their full potential and they will acquire valuable knowledge. We aim to encourage the development of positive attitudes towards science.

Ardley Hill Academy Science Policy 2019



Grace Worrall
Science Leader

Extended Learning & Parental Involvement

Each Christmas, we organise a science project competition where we encourage the whole family to take part in a specific task.

We also take part in British Science week each year during March, which ends with our Science Fair. This is where parents and friends are invited into school to see what the children have been learning in science that week. This Science Fair has always been hugely successful, and the children thoroughly enjoy sharing their interests and their work with parents and friends.

We encourage parents who have a scientific career to come into class and inspire children into following STEM career paths.

Primary Science Quality Mark Silver Award

In September 2017 we achieved PSQM Silver award.

The Primary School Quality Mark scheme enables schools to work together to share good practice and is supported by professional development led by local experts.

It encourages teacher autonomy and innovation, while at the same time offering a clear framework for development in science subject leadership, teaching and learning.

The Primary Science Quality Mark is led by the University of Hertfordshire School of Education in partnership with the Primary Science Teaching Trust. It is supported by the Royal Society for Chemistry, the Ogden Trust and the Association for Science Education

As our PSQM award is due to run out this year, we are going through the reaccreditation process to continue to have PSQM for the next 3 years.

