

Heron's' Moor Academy

Statement of Intent: Science

At Heron's' Moor Academy, we want our children to become scientists. We want them to be inquisitive while they are with us and to take this approach with them beyond this school. Our curriculum will foster a healthy curiosity about our universe and will promote respect for the living and non-living elements of our planet. We also want to prepare our children for life in an increasingly scientific and technological world.

We aim to:

- Stimulate and grow our pupils' enjoyment of science by building on their natural curiosity and sense of awe in the natural world.
- Allow our pupils to make sense of the world in which they live.
- Enable them to understand the relevance of science and its contribution to many aspects of everyday life.
- Teach them to think scientifically
- Use a planned range of investigation and practical opportunities to give pupils the opportunity to experience, explore and understand scientific concepts. Through these they will acquire the essential scientific enquiry skills needed to deepen their scientific knowledge. Learning opportunities allow the acquisition and development of the scientific skills of : observation, accurate measurement, prediction, hypothesising, experimentation, communication, interpretation , explanation and evaluation.
- Introduce and establish the language and vocabulary of science.
- Develop the pupils' practical skills and their ability to make accurate and appropriate measurements, so that these are embedded.
- Teach the children a range of methods/approaches to communicate their scientific knowledge concisely and effectively. So that they can present information in a systematic and scientific manner.
- Promote a healthy lifestyle.
- Give the pupils the experience of a broad, balanced and extended curriculum that is progressive, building on knowledge and scientific skills as the pupils move through the school. The curriculum comprises the specific disciplines of biology, chemistry and physics.
- Develop a respect for the materials and equipment that they use, ensuring their own and other children's safety.
- Identify and understand linkages between science and other subjects.