



Kings Academy College Park

Science Curriculum Statement

Intent

At Kings Academy College Park, we believe that every child will achieve a high level of scientific knowledge and skills. Our aim therefore, is to equip our children with the knowledge and skills needed for them to be confident in developing an understanding of the world around them. We want our children to enjoy and be inspired by science, striving to understand and explain the phenomena of life using investigations, observations, research, comparisons, pattern seeking and identifying.

Implementation

Science starts in the Early Years Curriculum and is developed through their school journey following the statutory requirements of the KS1 and KS2 programmes of study from the National Curriculum. To begin with children use their senses to explore and answer questions about the world around them. They then develop their scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics. We will do this by developing a more thorough understanding, through different types of scientific enquiry, by asking and answering questions about the world around them with increasing depth.

Kings Academy College Park include their science teaching in a topic-based curriculum (when applicable).. This enables our school to deliver the science curriculum in an enjoyable and significant way, whilst still ensuring a high quality of knowledge and understanding. The pupils are increasingly given the scientific language and key concepts so that they can explain, predict and analyse what they see in the world around them. Any areas of the science curriculum not taught as part of the topics will be addressed in discrete lessons so that every child is given the chance to develop and broaden their scientific knowledge.

In our school, the children will be given the opportunities to develop a variety of scientific methods through observation, spotting patterns, grouping and classifying, carrying out simple comparative and fair tests. They will be able to use secondary sources of information to conduct their own research.

Impact

After receiving recent STEM training, science leads have decided to focus on 3 key areas.

1. Progression
2. Curriculum coverage
3. Promote a love of science

We are aware of consistency in assessment and this will be addressed in future CPD opportunities. (December CPD training)

October 2021