

Albert Pritchard Infant and Wood Green Juniors Federated Schools

Science Policy

Overview

At Albert Pritchard Infant and Wood Green Junior Federated Schools we implement an explicit approach to teaching Science, where Science is taught discretely. At APWG, we provide an inspiring and explicit science curriculum which enables children to develop their interest, knowledge, skills and vocabulary to be able to think like scientists. Our science provision enables pupils to foster interest about scientific concepts and processes through engaging, practical learning experiences both inside and outside the classroom. We embrace children's curiosity about the world around them through providing the opportunities to create their own questions their own answer these through conducting different methods of scientific enquiry. We teach the children to understand how their learning relates to science in the 'real world' and how they can influence science in the future.

Intention

At APWG, we intend to provide an aspiring and coherent Science curriculum so that children can develop their interest, knowledge and skills to be able to think scientifically about the world we live in. We aim to equip every child with broad scientific knowledge and vocabulary so that they can communicate and have a deeper understanding of processes and scientific areas. Through delivering a broad curriculum, we hope to develop the aspirations of learners and to promote a lifelong love of learning for the subject.

Implementation

At APWG, we aim to deliver science through creating long- term planning and medium-term planning which covers the National Curriculum. Teachers will use this to develop their high-quality science lessons, creating engaging and personalised lessons for their classes. Lessons will be delivered weekly and will cover the different scientific areas and aspects outlined in the National Curriculum. These lessons will also allow the children the opportunity to investigate practically (experiencing the five types of scientific enquiry), to further develop their knowledge, skills and concepts. To identify progress in Science, we will use Sonar to monitor attainment and achievement in each scientific area so that curriculum provision can be adapted for individual groups.

Impact

Through implementing all of the above, we aim to ensure children:

- meet Age Related Expectations in Science
- develop scientific skills to equip them for the future
- are able to confidently discuss and apply their developed knowledge, vocabulary and skills
- are interested in the subject and demonstrate a love of learning
- develop curiosity through creating and exploring questions
- understand science within their lives, including scientific occupations, current events, news and major scientific discoveries