

The contribution of Science to children's SMSC development at Fairfields:

Spiritual:

Children begin to form beliefs and ideas about the world they live in. This is done across the school through practical experiences in science that create awe and wonder. The children have the opportunity to grow plants and observe animals. We have outings to local zoos such as Shepreth and Whipsnade, and have 'living eggs' in the Nursery, when children can observe animals and nature close-up. Trips and workshops such as the trip to the Airbus Centre equip children with the knowledge they need to understand abstract concepts, such as forces and the solar system. Children are encouraged to ask questions and reflect on what they know about the world they live in. The children in Key Stage one use the school grounds to observe changes in the seasons, they are able to link these experiences to those they have had outside of school.

Moral development:

Children are taught to question ideas they may already have about the world in which they live. Through the study of scientists such as Charles Darwin, children begin to understand that others have different viewpoints. Children are encouraged to consider the moral dilemmas that can result in scientific developments. For example, in Year 6 the children discuss immunization and the eradication of diseases.

Social development:

Children work together in groups to carry out different types of enquiry and investigations. Throughout the school, they learn how to keep themselves and others healthy. The children begin to understand how science and technology affects their own lives and how it affects others around them.

Cultural development:

The children are encouraged to be open about their own scientific ideas and beliefs as well as others, for example opinions on creation. The children are taught that scientific discoveries come from a wide range of cultures and from both men and women.