



SMSC and British Values in Science

At Woodside Primary, we aim to develop SMSC in Science by:

Spiritual	Science supports spiritual development by involving children in the search for meaning and purpose of natural and physical phenomena. It is the wonder about what is special about life, having an awe at the scale of living things from the smallest microorganism to the largest tree and the interdependence of all living things and materials of the Earth. Science fosters a passion in children to know more and to wonder about the world and aesthetically appreciate its wonders including for example the enormity of space and the beauty of natural objects or phenomenon, plants, animals, crystals, rainbows, the Earth from space etc.
Moral	Science supports moral development by encouraging children to become increasingly curious and to develop open mindedness and tolerance for the suggestions and views of others. Children are supported to make judgements on evidence, not prejudice. Children recognise that environments can change and that this can sometimes pose dangers to living things. When considering the environment, children understand moral and ethical dilemmas in scientific developments. They are given opportunities to consider where there is disagreement for further natural resources in society and its effect on future generations. Children are encouraged to have an opinion as a global citizen about differing views on scientific developments and have courage to share their opinion. They are given opportunities to understand that our ever-changing world is an important moral consideration and they have a responsibility to respect it.
Social	Science supports social development by engaging children in practical group work which provides opportunities for pupils to develop team working skills and to take responsibility for their role in the group. Children are encouraged to show an understanding for the power of collaborative working and appreciate scientific breakthroughs in history as a result. Pupils must also learn to take responsibility for their own and other people's safety when undertaking practical work. Science has a major effect on the quality of our lives. Pupils are encouraged to consider the benefits of scientific and technological developments and how they have changed our social lives. They are also given opportunities to reflect on the drawbacks of scientific and technological developments when considering moral and ethical issues and the social responsibility involved.
Cultural	Science supports cultural development by providing opportunities for children to think of scientific discoveries as part of our culture and how it has shaped the culture of the UK and our economy. Children are also taught to appreciate the scientific discoveries of other cultures. Children are taught to value cultural diversity and understand that science is an activity undertaken by a wide range of men and women in many different cultures both now and in the past.

At Woodside Primary, we aim to develop British Values in Science by:

Democracy	Encouraging learners to consider the views of others in shared investigations and thoughts towards scientific concepts. Children will work in collaboration with one another during scientific activities and investigations.
Rule of Law	Children will develop an understanding of safe practices and following class rules, particularly during scientific investigations. Learners will understand the consequences if rules are not followed, particularly through sciences topics such as drugs and alcohol.
Individual Liberty	Children will have the choice to join a club-science club and various different science workshops throughout the year. They will be encouraged to justify conclusions from experiments conducted by themselves and others and will be given the choice to present their own ideas and solutions to and during scientific investigations.
Tolerance of those with different Faiths and Beliefs	Children will learn about and respect the beliefs of different scientists and theories from around the world. This is promoted particularly well during discussions about evolution versus faith beliefs, and the ideas presented by a range of evolutionists from different eras, countries and countries.
Mutual Respect	We will expect all learners to behave appropriately, allowing all learners the opportunity to work effectively and to express their own opinions and views in all areas of science, particularly in more ethical areas such as genetic engineering. Learners will work together on investigations whilst helping and advising others. They will review each other's work and scientific findings respectfully.