SMSC in Science

Through teaching Science we can also develop children's spiritual, moral, social and cultural development.

Spiritual Development

Science supports spiritual development by providing many opportunities for children to think and spend time reflecting on the amazing wonders which occur in our natural world.

- Looking for meaning and purpose in natural and physical phenomena
- Wonder about what is special about life
- An awareness of the scale of living things from the small micro-organism to the largest
- The interdependence of all living things and materials of the Earth.
- Emotional drive to know more and to wonder about the world
- Wonder at the vastness of space and the beauty of natural objects

Moral Development

Science supports moral development by showing children that different opinions need to be respected and valued. There are many moral and ethical issues that we cover in science including discussions about environmental and human issues.

- Pupils to become increasingly curious
- Development of open mindedness to the suggestions of others
- Scientific developments may give rise to moral dilemmas
- Considering the environment

Social Development

Science supports social development by exposing children to the power of collaborative working in the science community which has led to some amazing and life changing breakthroughs in medicine. When undertaking experiments and research children work collaboratively.

- Group practical work
- Team working skills and to taking responsibility
- Taking responsibility for their own and other people's safety
- Understanding that science has a major effect on the quality of our lives
- Consider the benefits of scientific developments and the social responsibility involved

Cultural Development

Science supports cultural development by looking at how scientists from a range of cultures have had a significant impact globally. It also helps children to understand how important science is to the economy and culture of the UK.

- Scientific discoveries as a part of our culture
- Scientific discoveries of other cultures
- Scientific discoveries by a wide range of men and women in many different cultures
- Environmental issues are central to science.

British Values

Democracy

- Take the views and opinions of others into account
- Take turns and instructions from others

The rule of law

- Understand the importance of safety rules when working scientifically
- Know that there are consequences in rules are not followed Individual liberty
- Make choices when planning an investigation
- Others may have different points of view as to where to start

Tolerance

- Scientific discoveries have come from other cultures
- Religious beliefs often compete with scientific understanding

Mutual respect

- Work as a team
- Discuss findings
- Offer support and advice to others