

Spiritual, moral, social and cultural development and British Values in Science

Social

- 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

Moral

- 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.

Spiritual

- 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.

Cultural

- 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