

SMSC summary of how it is embedded in my subject

Science:

<p><u>Spiritual:</u> Spiritual education in Science involves the search for meaning and purpose in natural and physical phenomena. It is the wonder about what is special about life, an awe at the scale of living things from the smallest micro-organism to the largest tree and the interdependence of all living things and materials of the Earth. It concerns the emotional drive to know more and to wonder about the world and aesthetically appreciate those 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. At St Leonard's children are encouraged to develop this love of discovery and learning through creative and imaginative approaches, as well as being reflective learners who enjoy re-evaluating their knowledge and understanding.</p>	<p><u>Moral:</u> Moral education in Science encourages pupils to become increasingly curious, to develop open mindedness to the suggestions of others and to make judgements on evidence not prejudice. Students should be given the opportunity to realise that moral dilemmas are often involved in scientific developments. It is an important moral consideration to think of the impact we have on the environment, the use of further natural resources and its effect on future generations. Pupils should be given the opportunity to think about and discuss the many ethical issues that surround current developments in Science. Discussion, debate, role-play and decision-making opportunities enable pupils to explore moral issues that can arise during Science topics.</p>
<p><u>Social:</u> Social education involves group practical work which provides opportunities for pupils to develop team working skills and to take responsibility and contribute. It allows children to take into account the ideas, opinions and views of others - something that we actively value and promote at St Leonard's as a Rights Respecting School. Pupils must 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 and pupils are encouraged to consider the benefits and drawbacks of scientific and technological developments and the social responsibility involved.</p>	<p><u>Cultural:</u> Cultural education in Science involves thinking of scientific discoveries as being as much of a part of our culture as great music and films. Credit is given to scientific discoveries of other cultures. Science is also seen as a contemporary activity and developments are made all over the modern world. It is therefore an activity undertaken by a wide range of men and women in many different cultures both now and in the past. The interdependence of the world in environmental issues is central to science. Pupils at St Leonard's demonstrate a high level of cultural development as demonstrated in their understanding, respect and acceptance of cultural diversity.</p>