

Science

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 microorganism 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 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 education in Science encourages pupils to become increasingly curious, to develop open mindedness to the suggestions of others and to make judgements on evidence. When considering the environment the use of further natural resources and its effect on future generations is an important moral consideration.

Social education involves group practical work which provides opportunities for pupils to develop team working skills and to take responsibility. Pupils must take responsibility for their own and other people's safety when undertaking practical work.

Cultural education in Science involves thinking of scientific discoveries 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.

SMSC examples in science at Gayton

All pupils develop their social skills in every science unit by working as part of a team when planning and carrying out investigations.

In year 3, the children develop their moral skills by looking after plants, finding out about a healthy and balanced diet and finding out about the importance of looking after their teeth. In year 4 the pupils look after butterflies and in year 6 they find out about the impact of diet, exercise, drugs and lifestyle. You could also mention looking after the chicks.

In year 6, the children develop their spiritual awareness through the evolution topic where they look at how animals and plants have adapted to suit their environment. In year 5 they find out about Earth and other planets in the solar system.

In year 6, they develop their cultural understanding by finding out about the significance of the work of different scientists.