SMSC provision at Meriden CE Primary School

Subject: Science

Spiritual

At Meriden CE Primary School we…

- Give children the chance to reflect and evaluate what they have learnt or found out from investigations.
- Encourage children in asking questions and puzzling about life and the natural world;
- Encourage a sense of wonder in scientific discovery
- Discuss ethical issues – medical, nuclear, environmental and the pursuit of truth in science v value of human life

Learning intentions:	*Example outcomes (I can…)*
• To reflect and wonder at order and patterns in the natural and physical world, the vastness of the universe, the variety of life and the possibility of a Creator; • To develop own beliefs about the value of life and the environment and discussing issues about the mind, brain, choice, chance, destiny, etc.; • To consider the fact of life, growth, decay and death and how different organisms are dependent upon each other • To develop a sense of awe and wonder at the complexity and pattern in natural phenomena • To work with 'variables' – learning to test hypotheses, accept failure and try again • To value and respect all forms of life	• consider topics where both science and religion both have something to say, eg. origins of the world, genetic engineering. • appreciate the beauty of the natural world • asking questions about life and its origins • use my senses to become aware of the world around them

Moral

At Meriden CE Primary School we…

- Learn what behaviour is appropriate and acceptable during an investigation.
- Explore moral issues such as human food chain, animals, including pets

Learning intentions:	*Example outcomes (I can…)*
• To learn about good and bad uses of drugs • To recognise the need for a fair test • To explore the consequences of certain action eg decomposition • To investigate the laws of nature • To develop the scientific skills of making predictions, observing and drawing conclusion • To consider topics where science and religions both have something to say eg about the origins of the world, issues in medical ethics	• recognise unfairness in tests, planning experiments and engaging in scientific problem solving; • take responsibility for my own actions during investigations (particularly in KS2)

Social

At Meriden CE Primary School we…

- Encourage children to work in small groups during science investigations.
- Encourage children to take leadership and responsibility when planning their investigations.
- Provide opportunity to work as a team during science club and science days/weeks.

Learning intentions:	*Example outcomes (I can…)*
• To appreciate that science and religion are not always contradictory ways of understanding the world; • To explore diversity and difference in the natural world; • To relate their understanding of science to their personal health eg personal hygiene, drugs, diet, smoking, exercise • To explore looking at health and safety issues • To explore the part played by science in civilisation	• consider how to treat living things and the environment with care and sensitivity • investigate in groups, sharing expertise and skills • use Science as a co-operative activity requiring communication and interaction • look at the ways in which the environment needs protection

Cultural

At Meriden CE Primary School we…

- Provide contexts in which children explore Science in different cultures recognising similarities and differences.

Learning intentions:	*Example outcomes (I can…)*
• To explore science in different cultures or settings. • To develop scientific ideas through various aesthetic media eg machines in Dance • To become aware that scientific discovery is worldwide and not a 'western' phenomena • To recognise scientific development in relation to others – water supplies, new varieties of flowers and food crops	• Learn and recognise how science effects the world around them. • Recognise similarity and differences between themselves and other pupils • Explore creation stories from different cultures alongside scientific stories