

SMSC and British Values– Science

SMSC	
Spiritual	Sometimes Science and spirituality appears to cause conflict but in a modern society it is important to teach pupils religious and scientific information in an age appropriate way. We encourage pupils to ask questions and extend their thinking and understanding. By teaching religious beliefs and scientific facts in an age appropriate way we help pupils to develop a greater understanding and a respect for differing view points. In many cases Science is able to stand alongside the spiritual beliefs e.g. evolution. This is looked at often from a neutral stand point within Science lessons.
Moral	Our understanding of Science has allowed us to develop technology we couldn't have imagined 50 years ago. Now however, we must start deciding if we should we do all the scientific activities we are able to or morally should we decide not to. Moral development is a vital part of any scientist's development. Children will need to develop a good understanding of the moral and ethical conflicts and compromises to become a good rounded scientist.
Social	Science is changing our society. The life expectancy is getting longer, people are driving more efficient and more eco-friendly cars, and more and more people are putting solar panels on their rooftops. Our society has become dependent on scientific developments which we could not have foreseen 50 years ago but also our lives are likely to change significantly in the future because of decisions made in the past and at present which damages the environment. Students must consider the human impact on the world around them and start to look what can be done to help the next generation have a habitable planet. Key Stage 2 explore the human impact on our world through investigating air pollution around our school when taking part in the Great Science Shares' Clean Air Challenge.
Cultural	Scientific development comes from all across the world, from people of all backgrounds and cultures. Some of Science's most important discoveries have come from other parts of the world and it's important for students to understand this. It is also important to understand how the different cultures around the world have a different impact on the planet. The also consider the impact more economically developed countries have on global issues.

British Values- Science

Democracy	Children at St Patrick's are often asked for their views about Science lessons and feedback is welcomed by the subject lead. This is often in the form of pupil voice. Children work together to support each other in lessons, and through the range of working scientifically tasks children have the opportunity to allow their natural leadership skills to flourish. Children listen carefully and are reminded to treat each other equally and with respect. Children are also encouraged to discuss and make fair choices when completing tasks involving scientific equipment and/or investigations ensuring all children are involved and opinions are considered.
Rules and Law	Children follow general class and school rules during their Science lessons. They are taught the specific skills within the subject allowing them to develop their skills in following the 'rules' of Science. This prepares them for secondary school when additional rules apply during Science lessons.
Individual Liberty	At St Patrick's, we allow the children to develop their own self-knowledge through asking and answering their own questions. The children are encouraged to make decisions and are expected to take responsibility of all equipment used when working in Science.
Mutual respect and tolerance of those with different faiths and beliefs.	The children are given many opportunities to work together in teams and question and challenge each other. Through working collaboratively in Science, children develop their speaking and listening skills.