



SMSC and British Values– Science

SMSC	
Spiritual	Sometimes Science and spiritual ideas do cause conflict but in a modern society it is important to understand why these conflicts arise so we can respect the views of others and move forward. It is seen more often that Science is able to stand alongside the spiritual beliefs of many. 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. This can be explored when looking at animals including humans such as, Year 5/6 debating the morality of using porcine valves in human transplants.. 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 our reckless damaging activities to the environment as a human society. Students must consider their impact on the world around them and start to look at what we can do to help the next generation have a habitable planet. Key Stage 2 have explored 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 as many believe that progress comes largely from the UK or America. It is also important to understand how the different cultures around the world can have different impacts on the planet and what impact more economically developed countries have on poorer areas.
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 a pupil voice questionnaire. Children work together to support each other in lessons and through the range of working scientifically tasks children have the

	<p>opportunity to allow their natural leadership skills to flourish. Children listen carefully and are reminded to treat each other equally and with respect regardless of abilities. 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.</p>
Rules and Law	<p>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.</p>
Individual Liberty	<p>At St Patrick's, we allow the children to develop their own self-knowledge through asking and answering their own curiosity questions. The children are encouraged to make decisions and are expected to take responsibility of all equipment used when working in Science.</p>
Mutual respect and tolerance of those with different faiths and beliefs.	<p>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.</p>