

SMSC in Science

Science	We promote spiritual development by...	We promote moral development by...	We promote social development by...	We promote cultural development by...
	Encouragement of the wonder and awe of the beauty of science, the simplicity of science, the complexities of science, the particular qualities of science. Making children aware of the natural world around them and their role within it. Making connections between scientific skills and the real world, e.g. lessons in a real life context. Introduce children to outdoor learning and foster curiosity of nature. Make children aware of the wider world through themed science lessons.	Discussing the moral implications of scientific research, e.g. animal testing for new vaccinations. Reflecting on current world events, e.g. viruses such as Ebola, MRSA and Corona and why we should help to combat its spread. Discuss ethical issues regarding science. Discuss the importance of valuing religious beliefs as well as scientific beliefs. Pose questions which challenge morality, e.g. is it fair to classify humans? Engage children in discussions about the effects of deforestation/pollution on the world.	Allowing children time to evaluate their investigations to rectify errors. Children working in groups to discuss and test ideas. Giving children self-reflection opportunities to refine their thinking. Sharing of resources within the classroom. Negotiating roles within groups for science investigations. Giving children the opportunity to share different ideas/opinions during science lessons, e.g. differing hypothesis. Give children opportunities to discuss global warming and irreversible change to Earth.	Studying famous scientists from around the world. Learning about different theories and their effect on beliefs, creationism and evolution. Asking questions about the history of science, e.g. what did Carl Linnaeus discover that we still use today? Investigating how scientific breakthroughs in medicine have shaped today's world. Discuss how different cultures view scientific concepts differently.