SMSC Statement - Computer Science

Spiritual
Exploring beliefs and experiences; respecting faiths, feelings and values; enjoying learning about yourself, others and the surrounding world; using your imagination and creativity.

The wonder of technology: Students look at how technology can bring rapid benefits to discussions and tolerance to an individual's beliefs. However, students are also exposed to the limitations and abuse of the internet where they question and justify the aims, values and principles of their own and others' belief systems.

Examples within Curriculum

- The progression of technology. Before and after.

Moral
Recognising the difference between right and wrong; respecting the law; understanding consequences of your behavior and actions; investigating moral and ethical issues; offering reasoned views. Care and use of equipment: Making clear the guidelines about the ethical use of the internet and how we keep ourselves and others safe e.g. discussing the moral and social implications of cyber-bullying. This also include the dangers around sexting and sexual exploitation.

This issue is addressed by students looking at the safe disposal of old ICT equipment and how this could potentially be passed onto more disadvantaged people. This collectively looks at all stakeholders involved and the ethical and unethical factors. Students learn that any equipment which is scrapped should be done to Government standards. Student also look at how ICT developments have had an impact on the environment as technology has meant that old ways of working have been changed to help the environment been changed to help the environment.

Examples within Curriculum

- Cyber Bullying
- E-Safety
- Social Media
- Data Protection and Copyright
- The Digital Divide

Social
Using a range of social skills; participating in the local community; appreciating diverse viewpoints; participating, volunteering and cooperating; resolving conflict; engaging with the 'British values' of democracy, the rule of law, liberty, respect and tolerance.

Students complete a lot of work within Computer Science lessons which look at theory topics. Students will need to work with a variety of people when they go into the world of work and these exercises will develop their social skills. Also students are required to understand about social media and the advantages these sites have brought as well as the numerous problems such as cyber bullying. Students also learn about the social isolation that technology has brought to some jobs as workers find themselves sat at computers and not necessarily working face to face with other people.

Examples within Curriculum

- Legal implications
- Computers in business

Cultural
Appreciating cultural influences; appreciating and understanding the role of Britain's parliamentary system; participating in cultural opportunities; to understand, accept, respect and celebrate diversity.
Use of web sites to find information: Preparing the children for the challenges of living and learning in a technologically enriched, increasingly interconnected world. Acknowledging advances in technology and appreciation for human achievement. How development in technology has impacted different cultures and backgrounds in different ways. More developed countries are able to keep pace with the developments in technology whilst less developed ones can't. Students learn about how this can impact on the people in the country and form larger skills gaps.

Examples within Curriculum

Appreciating how different cultures have contributed to technology

- Problem Solving
- Computer Programming