

## SMSC opportunities in Computing and IT

Spiritual	Moral	Social	Cultural
<p>Developing deep thinking and questioning through Computing and IT about the way in which the world works promotes spiritual growth.</p> <p>We aim to give all students an appreciation of the richness and power of Computing and IT.</p> <p>We promote a sense of wonder of technology. Students' eyes are opened to the awe and wonder of the Internet and how this, along with other developments in technology, has completely transformed the world which we live .</p> <p>Computing and IT can be used to explain how nowadays Technology affects a large part of daily experience for a growing portion of the population.</p>	<p>Within the classroom, we encourage respect and reward good behaviour. We value listening to others' views and opinions on problem solving.</p> <p>Students are given the chance to be aware of misleading information and data, especially when discussing averages. Students are made aware as to how data can be used in different ways to support opposite arguments and therefore should never assume that the statistics are accurate and a full representation of the complete picture.</p> <p>In our subject we look specifically at bias and how this can effect and support a point of view when in fact this is not a true representation.</p> <p>We promote discussion about right and wrong; respect the law; understand consequences; investigate moral and ethical issues; offer reasoned views.</p> <p>We recognise how logical reasoning can be used to make decisions and choices that help them to learn in Computing and IT.</p> <p>Within Computing and IT we look at 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.</p> <p>Our focus for Our World Our Thoughts is all around the moral decisions in Computing and IT and how life can be effected, we look at a range of areas: gambling, Artificial intelligence, fake news/data, misleading information.</p>	<p>In the classroom, we look for opportunities for students to use mini whiteboards to promote self-esteem and build self-confidence.</p> <p>We encourage collaborative learning in the classroom – in the form of listening and learning from each other and paired discussion / working partners in order to show that the result is often better than they could achieve alone.</p> <p>Within Computing and IT 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.</p> <p>We help pupils develop their mathematical voice and powers of logic, reasoning and explanation by offering explanations to each other.</p> <p>We hope to enable our students to enjoy their success in Computing and IT and will celebrate accordingly whilst supporting any short term failure through interventions as and when required. Social development is aided further in Computing lessons by fostering a problem solving approach to any work set that encourages students to breaking tasks into smaller manageable parts, often with the assistance of other students.</p>	<p>Opportunities are given to students to explore aspects of personal culture and identity through Computing and IT.</p> <p>Use of web sites to find information: Preparing the children for the challenges of living and learning in a technologically enriched, increasingly interconnected world.</p> <p>We discuss the history of Computing and IT looking at the origins of computers and where the key figures in computing have come to develop these key aspects.</p> <p>We ensure that when we are creating questions (similar to the exam board) we incorporate a wide range of common names from around the globe and this can lead to discussions around names in various cultures which can be handled effectively by the member of staff.</p> <p>We discuss 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.</p>

## British values opportunities in Computing and IT

Democracy	The rule of law	Individual liberty	Respect	Tolerance of those with different faiths
<p>Students conduct an opinion survey on a moral issue and are aware that these results represent the opinion of that population.</p> <p>Students need to have an awareness of sexist, racist, stereotypical bias in materials – including females in labour jobs, males in office/secretarial jobs.</p>	<p>Students are taught about the legal implications of:</p> <ul style="list-style-type: none"> <li>• Downloading music/film from "free" sources</li> <li>• Posting offensive/slandorous material on social media</li> <li>• Cyber-bullying</li> <li>• Cryptography/Encryption</li> <li>• Hackers</li> </ul>	<p>Encouraging and allowing discussions and debates around the incorrect use computing equipment.</p> <p>Allow discussions on the cultural and historical roots of prominent figures in computing.</p>	<p>Students are taught about:</p> <ul style="list-style-type: none"> <li>• Online 'netiquette' – how to engage in an online community positively including how to respond to and debate with others</li> <li>• How to be a respectful digital citizen</li> </ul>	<p>Ensuring all student's work and views are appreciated through online collaboration tools such as Google Docs</p> <ul style="list-style-type: none"> <li>• How to select information from valid online sources that reflect different viewpoints and the disadvantages of relying on Wikipedia</li> <li>• The value of blogs to understand different viewpoints on a range of topics</li> </ul>