

## COMPUTING AT ST MARY'S

Our school vision **"they will soar on wings like eagles"**

Our children will gain an understanding of how using technology paves the way for their future. Throughout their journey in computing, pupils will acquire a breadth of knowledge, of how to use and program computers to solve real-world problems. The opportunity is given to pupils to develop their ability to ask perceptive questions, think critically, analyse evidence, examine arguments, develop judgement, and understand differing perspectives.

### RESPECT

Teaching students what it means to be a good digital citizen, including respect for others' privacy, property, and opinions online. We have embedded digital etiquette into the curriculum, emphasising proper online behaviour, such as communication, avoiding cyberbullying, and respecting different viewpoints.

### NURTURE

Encouraging empathetic communication by considering how words and actions can affect others emotionally and mentally. We emphasise the importance of honesty and integrity in coding, project work, and collaboration, reflecting on our Christian values in all endeavours.

### COMMUNITY

We are proud of our digital community that links home and school and allows for greater collaboration and communication. We discuss how online communities can provide a sense of purpose and direction in computing, motivating students to use their skills for the greater good.

### COURAGE

### AMBITION

### RESPONSIBILITY



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<p>When we learn about computing we normalise failure as part of the learning process. We discuss famous technological failures and how they led to eventual success and innovation.</p>	<p>Technology moves at a fast pace and we want our students to be forward thinking and ambitious in what technology could achieve in the future. We highlight technological innovations that have brought significant positive changes, such as advances in healthcare, education, and environmental sustainability.</p>	<p>We teach students how to identify and respond to misinformation respectfully and responsibly. We encourage them to take responsibility for their actions online.</p>
<p><b>SPIRITUALITY</b></p>	<p><b>GLOBAL CITIZENS</b></p>	<p><b>AWE AND WONDER</b></p>
<p>Incorporating spirituality into a computing curriculum is done with sensitivity to the diverse beliefs and backgrounds of students. We foster interdisciplinary connections between computing and fields such as ethics, philosophy, psychology, and theology. By exploring how spiritual and moral frameworks intersect with technology, students can develop a more nuanced understanding of their role as technologists and innovators.</p>	<p>Students will analyse and respond to ethical dilemmas through case studies. Encourage ethical considerations in technology development and use, such as avoiding harm, ensuring privacy, and promoting equity. Highlight the importance of understanding and respecting cultural diversity in the context of global technology use and development.</p>	<p>We teach about the history of computing and the pioneers who have shaped the field. Highlighting their visionary work and its impact on today's technology. Introduce students to emerging technologies like artificial intelligence and virtual reality. We will encourage them to explore these fields and their potential applications to create a more equal society.</p>



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