
St. Mary's CE Academy

'Excellence through faith & learning'



Intent, Implementation, and Impact Statement for Computing

“Rise up, take courage and do it.”

Ezra 10:4

Intent Statement



At St Mary's our intention is to provide a high-quality computing education that equips our pupils with the skills, knowledge, and understanding necessary to thrive in a digitally-driven world. Our computing curriculum is designed to ensure that all children:

- **Develop Computational Thinking:** Pupils learn to think logically, break problems down into manageable parts, and devise algorithms to solve them. This fosters skills that are applicable not just in computing, but in wider contexts.
- **Acquire Technical Skills:** We aim for students to become proficient with a variety of digital tools and technologies. Children will learn how to code, create digital content, and understand the principles of computer science, including networks, hardware, and data management.
- **Promote Digital Citizenship:** Our curriculum instils a sense of responsibility in the digital realm, teaching students about online safety, ethical behaviour, and the importance of maintaining digital wellbeing as they navigate growing online environments.
- **Encourage Creativity and Innovation:** We seek to inspire pupils to use technology as a creative tool. Through projects and collaborative work, children are encouraged to express themselves and innovate within their digital projects.
- **Prepare for Future Learning and Employment:** Our overarching aim is to equip pupils with transferable skills they will need for future educational opportunities and career prospects in a technology-centred economy.

Implementation

To achieve our intent, we have implemented a robust and engaging computing curriculum structured around the national curriculum requirements and best practices:

- **Curriculum Structure:** Our computing curriculum is carefully sequenced, ensuring that knowledge is built progressively through key stages. Using a combination of project-based learning and thematic units, pupils explore various elements of computing, including coding, programming, data handling, and digital literacy.
- **Enrichment Opportunities:** We provide diverse learning experiences through coding clubs, workshops, and partnerships with local technology companies. Regular opportunities for pupils to participate in competitions and showcases enhance engagement and deepen their understanding of computing fields.

- **Skilled Educators:** Our teachers are passionate and knowledgeable about computing. Continual professional development ensures they stay updated with the latest technologies, resources, and pedagogical strategies, allowing them to deliver lessons that are not only informative but inspiring.
- **Embedded E-Safety Training:** E-safety is integrated into all computing lessons. Pupils are provided with the knowledge and skills needed to navigate the internet safely and responsibly, reinforcing the importance of digital citizenship consistently throughout their education.
- **Assessment for Learning:** We employ a variety of formative and summative assessment methods, including self-assessment, peer feedback, and teacher assessments, which inform planning and help to personalise learning pathways for each pupil.

Impact

The impact of our computing programme is evidenced through various measures:

- **Pupil Engagement and Attainment:** Our pupils exhibit high levels of engagement in computing lessons, with many expressing enthusiasm for the subject. Regular assessments reflect strong progress across all year groups, with the majority of pupils achieving age-related expectations and many exceeding them.
- **Skill Development:** By the end of their primary education, pupils demonstrate proficient computational thinking and problem-solving skills. Many can code creatively and present technology-backed projects confidently, showcasing their understanding of concepts taught.
- **Positive Digital Citizenship:** Surveys indicate that our pupils feel confident in their ability to navigate online environments safely and responsibly. They articulate the principles of respect and kindness in digital interactions, a testament to the emphasis placed on digital citizenship throughout the curriculum.
- **Parent and Community Feedback:** Feedback from parents and the wider community highlights the strong focus on technology and the importance of preparing children for the future. Engagement in school events, such as Code Club and trips to places like the National Videogame Museum and the Apple Store, has increased, further strengthening community ties.
- **External Recognition:** Our commitment to excellence in computing has been acknowledged through positive Ofsted reports and external validation from educational partners, placing us as a leader in computing education within the local area.

In conclusion, through intentional planning, rigorous implementation, and reflection on outcomes, St. Mary's is proud to provide an outstanding computing education that prepares our pupils to navigate and contribute positively to an increasingly complex digital landscape.