Our Computing Curriculum

Intent	Anchored in the community; a place to belong, a world to explore. Our computing curriculum inspires pupils to be curious and explore the world of technology by asking questions and seeking answers. We aim to develop a strong sense of responsibility in using digital tools ethically and responsibly. Through the use of information technology, students will build meaningful connections with others and deepen their scientific understanding of the world around them. Grounded in the principles of computational thinking and creativity, our curriculum aligns with the national framework by equipping pupils to understand and influence the world through computing. We emphasize the importance of understanding how digital systems work, developing programming skills, and applying this knowledge to create innovative programs and content. By fostering curiosity, responsibility, and connectivity, we prepare pupils to be confident, digitally literate individuals who can express themselves, develop ideas, and actively participate in a rapidly evolving digital society and future workplace. At our school, we aim to ensure that all pupils leave primary school computer literate, equipped with the essential computing skills that empower them to be confident, creative, and independent learners. Through a robust and inclusive Computing curriculum, we provide children with the knowledge and understanding of the three core areas—Computer Science, Information Technology, and Digital Literacy—preparing them to live safely and responsibly in an increasingly digital British society. We believe that Computing is a vital subject that enables pupils to understand and engage with the world around them, and through it, we aim to teach life-skills that will allow them to embrace and adapt to new technology throughout their lives. By fostering enjoyment in computing activities and integrating technology across the curriculum, we ensure that all learners, regardless of background or ability, can access and benefit from these opportunities. Our curriculum encourages children to become responsible digital citizens, understand the impact of their actions online, and participate actively in a world where work and leisure are increasingly shaped by technological advances.

Implementation	Our Computing curriculum is delivered through a structured scheme of work that ensures full coverage of the National Curriculum, with clear progression in knowledge and skills across all year groups. Lessons are designed to build on prior learning, allowing pupils to develop a deeper understanding of computing concepts over time. Children have access to a wide range of high-quality resources and technology that support the development of practical computing skills, including programming, digital literacy, and information technology. Online safety is taught explicitly and revisited regularly, helping pupils understand how to stay safe both in school and in the wider digital world. We use differentiation strategies to ensure all pupils, regardless of ability or background, can access and engage with the curriculum. This inclusive approach enables every child to make progress and gain confidence in their computing abilities.
Impact	**Know more** Pupils develop a deep understanding of how digital systems work and how technology shapes the world around them. They can explain key computing concepts, including algorithms, coding, networks, and data, with growing accuracy and confidence. Children understand how to use technology safely, respectfully, and responsibly, recognising both the opportunities and potential risks of the digital world. Through regular, meaningful experiences with computing, pupils gain the vocabulary, knowledge, and critical awareness needed to navigate and influence the digital landscape. **Do more** Pupils confidently apply their knowledge to solve real-world problems through programming, logical reasoning, and creative use of technology. They can design, write, and debug programs with increasing independence, using computational thinking to plan, test, and refine their work. Children use a range of digital tools purposefully to create, organise, and present content across the curriculum. They demonstrate digital literacy by collaborating, communicating, and expressing themselves effectively using appropriate technology **Remember more** Pupils retain key knowledge and skills across all strands of computing — Computer Science, Information Technology, and Digital Literacy — and can recall and apply them in new and unfamiliar contexts. Over time, they build a strong foundation of understanding that supports further study and future employment in an increasingly digital world. They remember how to use technology safely and ethically, applying these principles instinctively in their daily lives. By the time they leave primary school, pupils are confident, responsible, and creative digital citizens, ready to embrace the challenges and opportunities of the modern technological age.