Computing Curriculum

Intent, Implementation and Impact

At St Thomas More Primary School we value each child as an individual with a unique potential for learning. We strive to be an inclusive community where children grow, learn and achieve together in the presence of God. With a culture of equality, we aim to ensure that every child believes in themselves and are empowered to aim high. All that we do in school is underpinned by our values: Unity, Humility, Respect, Determination, and Fairness. We link these to our British Values and they are the key drivers for our curriculum intent. Our ethos is set to remind our pupils to be proud of their achievements, encourage them to want to achieve high standards and supports our relational approach to behaviour and promote the formation of the complete person

Intent	Implementation	Impact
We believe that children need to use technology from a very early age to be able to succeed in the ever changing world. At St Thomas More School we follow the National Curriculum for computing aims to ensure that all pupils: • can understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation • can analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems • can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems • are responsible, competent, confident and creative users of information and communication technology	We use the Teach Computing Curriculum https://teachcomputing.org/ in conjunction with OAK Academy https://www.thenational.academy/ to teach computing, both of which are fully aligned to the National Curriculum. Computing lessons are taught weekly from Year one to Year Six. By following the progression from the Teach Computing Scheme, pupils acquire knowledge through the use of key concepts, terms and vocabulary. ***All computing lessons begin with a verbal flashback recalling safer internet rules and how to stay safe online (this is taught in RHE for all classes including Nursery and Reception). All lessons will include 10minutes of touch typing.*** Collaboration is encouraged through structured paired and group tasks which stimulates classroom dialogue and a development of shared understanding. Lessons are hands on with activities that offer tactile and sensory experiences to enhance learning which ensures that pupils are engaged and can be creative. In addition, teachers also plan for cross-curricular links with computing wherever appropriate to enable the children to apply their learning in different contexts.	By the end of primary school, pupils are confident in the skills and processes of the primary computing curriculum. Most importantly, pupils will know how to use technology safely, respectfully and responsibly and will be prepared for Key Stage 3. We measure the impact of our curriculum through the following methods: • Assessing children's understanding of topic linked vocabulary before and after the unit is taught. • Summative assessment of pupil discussions about their learning. • Evidence of what the child has produced • Interviewing the pupils about their learning (pupil voice). • Termly assessment against key skills • Annual reporting of standards across the curriculum.
