

Curriculum Overview - Computing

INTENT

At Milton on Stour Primary School, we believe that the teaching of computing is an essential part of the curriculum; a subject that not only stands alone but provides a wealth of learning opportunities and transferable skills explicitly within the computing lesson but also across curriculum subjects. With technology playing such a significant role in society today, we believe that computational thinking is a skill that children must be effectively taught if they are to be able to participate successfully and safely in a digital world. At Milton on Stour the core of computing is computer science in which pupils are introduced to a wide range of technology, including computers, ipads and interactive whiteboards, allowing the children to continually practice and improve their skills, ensuring they become digitally literate. As our pupils grow older it is important that they learn to balance the benefits of technology with a critical awareness of their own and others' online behaviour and develop strategies for staying safe and making a positive contribution online, including being able to articulate this.

Our teaching of Computing equips pupils with knowledge and understanding about

- How to keep themselves safe online and what to do if they come across something that feels uncomfortable
- How to use the internet for research
- Computer programming including the use of algorithms
- Using technology purposefully to create, organise, store, manipulate and retrieve digital content
- How technology is used beyond the school

We want children to learn about how digital technology is used positively in the world around them, gaining knowledge and skills through their learning in school, not just through experiences in the classroom, but also through visitors, clubs and educational visits including our 11 before 11 and also linked through the termly projects focused on enterprise, global issues and community.

IMPLEMENTATION

The subject of computing is taught through our teaching progression where there is year group specific content for each of the topics of computer science, information technology, digital literacy and e-safety. The use of technologies is then interwoven through other subjects so that taught skills can be practised and put into a meaningful context.

IMPACT

Impact will be measured at the end of each unit of work and assessments will be collated for each unit. At the end of the school year all units will be considered by teachers to make an overall judgement, alongside information from pupil discussions and e-safety incidents. The Computing subject leader will comprise a statement each year summarising the overall annual impact of the Computing Curriculum.

Children will be digitally literate and able to join the rest of the world on its digital platform. They will be equipped, not only with the skills and knowledge to use technology effectively and for their own benefit, but more importantly .. safely.

The biggest impact we want for our children is that they understand the consequences of using the internet and that they are aware of how to continuously keep themselves and others safe online.