



Computing Subject Statement

*This document supports the school vision
Caring For Others And Courageously Striving For
Excellence*

Intent

At Long Wittenham, we believe that the teaching and learning of Computing is essential to the development of all pupils in the world we live in today. Children are encouraged to develop a greater understanding and knowledge of technology, as well as their safe use of it. The computing curriculum at Long Wittenham enables children to develop knowledge and skills that are transferable to other curriculum areas and which can and are used to accelerate their learning across many different subjects. We seek to inspire in children a curiosity and fascination about technology in the world today and the future. The curriculum is designed to develop knowledge and skills that are progressive, as well as transferable, throughout the children's time at Long Wittenham and also to their further education and beyond. Through teaching computing, we equip children with the skills to participate in a world of rapidly changing technology. We enable them to find, explore, analyse, exchange and present information. We also help them develop the necessary skills for using information in a safe and effective way. This is a major part of enabling children to be confident, creative and independent learners.

The key objectives of teaching computing are to enable children:

- To have a basic understanding on how computer systems work.
- To develop capability in finding, selecting and using information.
- To develop effective and appropriate communication.
- To develop capability in visual and audio presentation.
- To monitor and control events, both real and imaginary.
- To apply their computing skills and knowledge to their learning in other curriculum areas.
- To explore their attitudes towards computing and its value to them and society in general. For example, to learn about issues of security and personal safety, confidentiality and accuracy.

Implementation

Computing at Long Wittenham is taught in blocks throughout the year, so that children can achieve depth in their learning. Through their work in computing children always begin topics by discussing eSafety and how to remain positive in their online use. Topics taught across the school have been mapped out and planned in a progressive way over a 2 year cycle in order to deepen pupils' understanding of different areas of technology in a range of areas to ensure all children are fully digitally literate.

Children are also given multiple opportunities to demonstrate their knowledge and understanding in other subjects as we recognise that computing underpins learning across the curriculum. Teachers have identified the key knowledge and skills of each blocked topic and consideration has been given to ensure progression across topics throughout each year group across the school. At the beginning of each topic, children are able to convey what they know already as well as what they would like to find out. This informs the programme of study and also ensures that lessons are relevant and take account of children's different starting points. Consideration is given to how greater depth will be taught, learnt and demonstrated within each lesson, as well as how learners will be supported in line with the school's commitment to inclusion.

Impact

We provide a broad and balanced computing curriculum that demonstrates children's acquisition of identified key knowledge. Children review their successes in achieving the set objectives at the end of every topic and are actively encouraged to identify their own target areas. Children also record what they have learned comparative to their starting points at the end of every topic. As children progress throughout the school, they develop a deep knowledge, understanding and appreciation of how technology works. Through their growing knowledge and understanding of computing, children gain an appreciation of modern life in different societies, helping to develop a sense of how technologies are used in other cultures, and how nations rely on each other in our 21st century world.