



Statement of Intent for Computing 2022-23

Learning Growing Believing Together

“Encourage one another and build each other up”

Thessalonians 5:11

Intent

All pupils at Trinity have the right to have rich, deep learning experiences that balance all the aspects of computing. Knowledge and understanding of ICT is of increasing importance for children's future both at home and for employment. Our Computing curriculum focuses on a progression of skills in digital literacy, computer science, information technology and online safety to ensure that children become competent in safely using, as well as understanding, technology. These strands are revisited repeatedly through a range of themes during children's time in school to ensure the learning is embedded and skills are successfully developed. We believe that computing has deep links with mathematics, science, and design and technology, and provides insights into both natural and artificial systems. Our intention is that Computing supports children's creativity and cross curricular learning to engage children and enrich their experiences in school. Right from EYFS to Year Six pupils use a wide range of technology, including chrome books, iPads and interactive whiteboards, allowing them to continually practice and improve the skills they learn. This ensures they become digitally literate so that they are able to express themselves and develop their ideas through information and computer technology– at a level suitable for the future workplace and as active participants in a digital world. At Trinity Church School, we aim to prepare our learners for their future by giving them the opportunities to gain knowledge and develop skills that will allow them to participate effectively and safely in an ever changing digital world.

Implementation

- We teach the National Curriculum, supported by a clear skills and knowledge progression. This ensures that skills and knowledge are built on year by year and sequenced appropriately to maximise learning for all children.
- To ensure a broad range of skills and understanding, Computing is taught across three main strands: digital literacy, computer science and information technology. As part of information technology, children learn to use and express themselves and develop their ideas through ICT for example writing and presenting as well as exploring art and design using multimedia. Within digital literacy, children develop practical skills in the safe use of ICT and the ability to apply these skills to solving relevant, worthwhile problems for example understanding safe use of the internet, networks and email. In computer science we teach children to understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation. Also to analyse problems to computational terms and have repeated practical experience of writing computer programs in order to solve such problems.
- We also teach a progression of Computing vocabulary to support children in their understanding.
- At Trinity Church School, we give children access to a wide range of good quality resources and provide cross curricular opportunities for children to apply their Computing knowledge and skills.
- Online safety is taught within each Computing lesson as a short starter activity as well as being taught as a unit each year. We also hold an annual E-Safety week which involves pupils and parents.
- Online safety procedures are communicated with all staff and parents.

Impact

The implementation of this curriculum ensures that when children leave Trinity Church School, they are competent and safe users of ICT with an understanding of how technology works. They will have developed skills to express themselves and be creative in using digital media and be equipped to apply their skills in Computing to different challenges going forward. We measure this impact in a variety of ways:

- Pupil conferencing, which is recorded age appropriately, assessing their vocabulary and skills acquired.
- Achievement based on the planned desired outcomes in planning.
- POP task achievements at the end of every term.
- Floor books are monitored to ensure a clear progression in the lessons and monitoring children's progression.
- Digital Leaders in each class (from year 1- 6) report to the subject lead.
- Learning walks take place, viewing children's work and their achievements.