



St. Bernadette's Catholic Primary School

Computing Curriculum Statement

Intent of the Computing curriculum

At St Bernadette's, we will prepare our learners (regardless of their starting point) for their future by giving them the opportunities to gain knowledge and develop skills that will equip them for an ever changing digital world. Our Computing curriculum focuses on a progression of skills in digital literacy, computer science and information technology to ensure which will ensure:

- Children become competent in safely using and understanding technology.
- Golden threads (Digital Literacy, Computer Science and Information Technology) will ensure learning is embedded and skills are successfully developed.
- Computing also supports children's creativity and cross curricular learning to engage children and enrich their experiences in school.

Implementation of the Computing curriculum

To ensure a broad range of skills and understanding our computing curriculum, which meets the requirements of the National Curriculum:

- Computing is taught weekly with a unit being completed each half term.
- Children learn to use and express themselves and develop their ideas through ICT.
- 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.
- In computer science we teach children to understand and apply the principles and concepts of computer science such as abstraction, logic, algorithms and data representation.
- Computer science will allow children practical experience of writing computer programs in order to solve such problems.
- To support staff we use the *Teach Computing* resources which provides staff with step by step instructions for the effective delivery of lesson content in a way that engages children.
- We use content from the Educated for a Connected World framework to support staff and learners in the digital literacy aspects of computing whilst supporting children in this area with links to our PSHE curriculum.
- We will liaise with our local computing hub in Liphook to support us in the provision of resources that can be used in the classroom to give our learners the best possible opportunities and outcomes from their Computing lessons.

Impact

By the time children leave St Bernadette's at the end of Key Stage 2, they will be 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 contexts going forward.