



**WISEWOOD**  
NURSERY & PRIMARY SCHOOL

# Computing

## Intent, Implementation and Impact Statement



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## Computing Curriculum Intent

At Wisewood, we aim to prepare our learners for their future by giving them the opportunities to gain knowledge and develop skills that will equip them for an ever-changing digital world. Knowledge and understanding of ICT is of increasing importance for children's future both at home and for employment and we want our children to aspire to understand the digital world and its potential and pitfalls and to contribute positively with all technologies. We aim to develop children's confidence and competence of engaging with a variety of technology to encourage them to belong to a world shaped by technology using skills that will equip them for life. Through computing we seek to engage and enrich children's experiences in school through digital literacy, ICT and computer science allowing them to become confident digital learners who use computational thinking. Our intention is that Computing also supports children's creativity and cross curricular learning to engage children and enrich their experiences in school.

## Implementation

We teach the National Curriculum, supported by 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. 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 fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation. We also teach a progression of Computing vocabulary to support children in their understanding. At Wisewood, 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 and revisited within each Computing lesson. as a short starter activity as well as being taught as a unit each year. Online safety procedures are communicated with all staff and parents.

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## Impact

The implementation of this curriculum ensures that when children leave Wisewood 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 build on their skills in Computing skills and knowledge in the next stage of their education.