# Bailey Green Primary and Nursery School together with Bailey's Butterflies.
## Computing Statement of Intent, Implementation and Impact

## Intent

At Bailey Green, our aim is to provide a high-quality computing education which equips children to use computational thinking and creativity to understand and change the world. Our curriculum will teach children key knowledge about how computers and computer systems work, and how they are designed and programmed. Computing is closely linked with mathematics, science, and design and technology, and provides insights into both natural and artificial systems. Throughout their Early and Primary years, we will instill in our children the importance of how to keep themselves safe online.

By the time they leave, children will have gained key knowledge and skills in the three main areas of the computing curriculum: computer science (programming and understanding how digital systems work), information technology (using computer systems to store, retrieve and send information) and digital literacy (evaluating digital content and using technology safely and respectfully).

Through progressive teaching we aim to ensure that our pupils become digitally literate, are able to use, and express themselves and develop their ideas through information and communication technology, at a level which will eventually be suitable for the future workplace and as active participants in an increasingly digital world.

## Implementation

At Bailey Green, we teach computing weekly. We follow the Teach ICT North Tyneside curriculum planning resource, however we adapt this to make it applicable to the children at Bailey Green. This resource provides full coverage of the National Curriculum objectives in order to facilitate progression across all key stages within the strands of digital literacy-online safety, information technology, computer science and digital literacy-multimedia. The computing curriculum at Bailey Green is broad and balanced that builds on previous learning and provides both support and challenge for learners. We are also part of the Teach ICT North Tyneside curriculum SLA, which gives children the opportunity to learn from specialists in this field. Children have access to hardware (computers, tablets, programmable equipment) and software that they need to develop knowledge and skills of digital systems and their applications. E-Safety is paramount and is embedded throughout the teaching of computing. Children have regular opportunities to explore and respond to key issues such as digital communication, cyber-bullying, online safety, security, plagiarism and social media. Wider curriculum links through lessons such as PSHE provide children with the knowledge of safe use of digital systems. Parents are also informed when issues relating to online safety arise and further information or support is provided if required.

## Impact

The teaching of computing ensures our children are confident users of technology and are able to use it to accomplish a wide variety of goals both at home and school. During their time at Bailey Green, children will develop a secure and comprehensive knowledge of the implications of technology and digital systems, which is particularly important in a world where technology and the use of it is rapidly evolving. Our children enjoy and value computing and know why they are doing things, not just how. Children will understand and appreciate the value of computing in the context of their personal wellbeing and the technological, creative and culturtal industries and their many career opportunities.

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