



## Callow End CE Primary School Curriculum

*'Building a foundation for love and learning.'*

### Computing Curriculum Statement

#### Intent

At Callow End C E Primary School, we want all children to be enthusiastic and confident learners of computing and eager to achieve their very best. Our aim is to place emphasis on developing a range of skills and knowledge, allowing our children to become confident problem solvers which we believe is a key life skill. We place a high importance on e-Safety and equipping our children to be safe in an increasingly digital world. We will provide all children regardless of ethnic origin, gender, class, aptitude or disability, with a broad and balanced computing curriculum. Our overall aim is for our pupils to see computing as an on-going process and to prepare our pupils to be confident and caring digital citizens.

#### Implementation

In ensuring high standards of teaching and learning in computing, we implement a curriculum that is progressive throughout the whole school. Our computing curriculum is a spiral curriculum, ensuring that themes are revisited regularly, consolidating and building on prior learning. The curriculum has been designed to fit the needs of our mixed age classes and our progression mapping ensures full coverage and progression for all pupils. Each class undertake six Teach Computing units per year. These units of work focus on the knowledge and skills outlined in the National Curriculum and are sensitive to our children's interests as well as the context of the local area. At Callow End, we feel it is important to enable the children to reflect critically on what they have learnt, leading to the children taking ownership of their learning. Each unit of computing provides opportunities to apply reading and writing skills as a means of gaining and sharing knowledge.

Our computing curriculum is designed to inspire our pupils, allowing them to solve problems and work both as part of a team and independently. Computing allows children to develop mathematical skills alongside their development of language, using a range of programming languages. Emphasis is placed upon analytical thinking and questioning which helps children gain a coherent knowledge and understanding of computing skills. Additionally, a clear focus is on key subject specific vocabulary which develops and progresses through year groups.

The teaching of computing is monitored by the subject leader through lesson observations, work scrutiny, staff feedback and pupil voice. The subject leader supports staff to ensure high quality first teaching of computing.

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## Impact

Outcomes in computing demonstrate the children's acquisition of key skills. Children gain knowledge including on how to stay safe online, preparing them for an increasingly digital world. By the end of Year 6, children are able to programme a variety of different programming languages, critically analysing and explaining their reasoning. They are able to make connections between coding languages and how technology works in the world, offering solutions to different situations. Children talk enthusiastically about their learning in computing and are eager to further their learning in the next stages of their education, leaving Callow End with a love of the subject and the skills needed in order to advance in an increasingly digital society.