



## Computing at Fairford

### **Intent**

We offer a structured sequence of lessons following the outline provided by Teach Computing, enabling teachers to ensure that they have covered the skills required to meet the aims of the national curriculum. The content allows for a broad, deep understanding of computing and how it links to children's lives today. It offers a range of opportunities for consolidation (across and within years) challenge and variety. This allows children to apply the fundamental principles and concepts of computer science. They develop analytical problem-solving skills and learn to evaluate and apply information technology. It also enables them to become responsible, competent, confident and creative users of information technology.

### **Implementation**

Each lesson contains elements of revision, analysis and problem-solving. Through the sequence of lessons, we intend to inspire pupils to develop a love of the digital world and see its place in their future. Cross-curricular links are also important in supporting other areas of learning, and, as such, opportunities are provided to ensure that digital technology is used in other areas of the curriculum.

Our curriculum builds on prior knowledge at the same time as introducing new skills and challenges. In KS1, the focus is on developing the use of algorithms, programming, using a range of digital devices and software and how technology can be used safely and purposefully. In KS2, lessons still focus on algorithms, programming, digital devices and software, coding and understanding how digital software can be used safely but in a more complex way and for different purposes.

As part of our curriculum, children also develop their knowledge of computer networks, internet services and the safe and purposeful use of the internet and technology. Teacher assessment is completed during and at the end of a series of lessons (based on teachers' assessment of children's work during projects), enabling staff to feel confident in the progression of skills and knowledge and that outcomes have been met. Subject vocabulary, building on earlier learning, is also used to assess the understanding and progress of children. As a school, although we follow the Teach Computing scheme of work, we have made and will make adaptations to meet the needs of the children in our school and learning relevant within our context.

### **Impact**

Learning in computing will be enjoyed across the school. Teachers will have high expectations and quality evidence will be presented in a variety of forms (including digitally and hard copies). Children will use digital and technological vocabulary accurately, alongside a progression in their technical skills. Children will be confident using a range of hardware and software and will produce high-quality purposeful outcomes. Children will see the digital world as part of their world, extending beyond school, and understand that they have choices to make. They will be confident and respectful digital citizens going on to lead happy and healthy digital lives.