

## **Intent**

At Lakenheath, we want pupils to be able users of technology and to recognise when and where using technology is useful and appropriate. Technology is everywhere and will play a huge part in our children's lives. Therefore, it is vital that we teach our pupils how to use technology positively, responsibly and safely. We want our pupils to have access to a broad curriculum encompassing computer science, information technology and digital literacy. We teach them that there is always a choice with using technology and as a school we utilise technology (especially social media) to model positive use. We believe that teaching and learning about computing is the best way to reflect the school's ethos of the 6 R's. Building our knowledge in this subject will allow pupils to effectively demonstrate their learning through creative and respectful use of technology. We recognise that technology can allow pupils to share and access their learning in creative ways, such as Google Classroom.

Our curriculum has a balance of knowledge and skills which will progress as the children grow the school. We aim to embed computing across the whole curriculum to make learning creative and accessible. We want our pupils to be fluent with a range of tools to best express their understanding and hope by Upper Key Stage 2, children have the independence and confidence to choose the best tool to fulfil the task and challenge set by teachers.

## **Implementation**

Our scheme of work for Computing is adapted from the 'Keychain Computing' Curriculum and covers all aspects of the National Curriculum. This scheme was chosen as it has been created by subject experts and based on the latest pedagogical research.

The curriculum aims to equip young people with the knowledge, skills and understanding they need to thrive in the digital world of today and the future. The curriculum can be broken down into 3 strands: computer science, information technology and digital literacy, with the aims of the curriculum reflecting this distinction.

The national curriculum for computing aims to ensure all pupils:

- can understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation (Computer science)
- can analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems (Computer science)
- can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems (Information technology)
- are responsible, competent, confident and creative users of information and communication technology. (Digital literacy)

## **E-Safety and Digital Citizenship**

A key part of implementing our computing curriculum was to ensure that safety of our pupils is paramount. We take online safety very seriously and we aim to give children the necessary skills to keep themselves safe online. Children have a right to enjoy childhood online, to access safe

online spaces and to benefit from all the opportunities that a connected world can bring them, appropriate to their age and stage.

### **Impact**

We encourage our children to engage positively and value the curriculum we deliver. We want learners to discuss, reflect and appreciate the impact computing has on their learning, development and leading towards an independent and healthy lifestyle. Finding the right balance with technology is key to an effective education and a sense of wellbeing. We feel the way we implement computing helps children realise the need for the right balance and one they can continue to build on in their next stage of education and beyond.

Pupils showcase, share, celebrate and publish their work using Google Drive and Seesaw platforms. This best shows the impact of our curriculum. Able children have the opportunity to become digital leaders and our assessment system flags up children who may need extra support. Regular observation of lessons and discussions with pupils in small groups allows us to continue to develop the subject to allow all our children at Lakenheath to have the same opportunities in the digital world as children anywhere in the UK.