



## Computing Curriculum

### Intent, Implementation and Impact Statement

#### Intent

We aim to prepare our children for a rapidly changing world through the use of technology at Chaucer Primary. Our high-quality computing curriculum is designed to enable them to use computational thinking and creativity to further understand our world. At the core of our computing curriculum is computer science, in which pupils are taught the principles of information and computation, how digital systems work, and how to put this knowledge to use through programming. Building on this knowledge and understanding, we intend for our children to use information technology to create programs, systems and a range of content. We aim to ensure that pupils become digitally literate – able to use, and express themselves and develop their ideas through information and communication technology – at a level suitable for the future workplace and as active participants in a digital world.

#### Implementation

Our Computing curriculum is based on the skills and knowledge of the National Curriculum ensuring it is applicable to our pupils and linking with resources that are available to the school. It is composed of Computer Science, Information Technology, Digital Literacy and E-Safety. Computing skills are taught both discretely and cross curricular, supporting other areas of learning across the school. In Reception and Key Stage 1, children are taught to use equipment and software confidently and purposefully, to communicate and handle information and to support their problem-solving, recording and expressive skills. In Key Stage 2, our children extend their use of computing that they use for communication, investigation and programming and work to understand how to communicate safely. Our planned curriculum for digital literacy that includes online safety is broad in covering a range of issues including understanding current issues such as 'fake news' and 'body image'.

We have a Computer suite and small banks of laptops and I pads.

#### Impact

Computing has a high profile at our school. After the implementation of this robust computing curriculum, children at Chaucer Primary will be digitally literate and able to join the rest of the world on its digital platform

Our children are confident using a wide range of hardware and software, and are diligent learners who value online safety and respect when communicating with one another.

The biggest impact we want on our children is that they understand the consequences of using the internet and that they are also aware of how to keep themselves safe online.

#### **If you were to walk into Computing lessons at Chaucer Primary, you would see:**

- Proficient users of technology who are able to work both independently and collaboratively.
- Computing hardware and software being utilised to enhance the learning outcomes of our children, across the curriculum.
- Clear progression in technical skills.
- A learning buzz as children engage in programming, instruct floor robots, prepare online safety presentations and design body confidence video campaigns.