

### **Computing Curriculum Intent:**

At Ellingham C of E Primary School, our pupils receive a high-quality computing education, based on educational research, which aims to give our pupils the life-skills that will enable them to embrace and utilise new technology in a socially responsible and safe way, in order to flourish and be able to operate in the 21st century workplace. Our pupils will be taught to use technology responsibly and carefully, being mindful of how their behaviour, words and actions can affect others, and themselves, now and in the future.

We want our pupils to become curious, independent users of computing technologies, gaining confidence and enjoyment from their activities. We want the use of technology to support learning across the entire curriculum and to ensure that our curriculum is accessible to every child. Not only do we want them to be digitally literate and competent users of technology, but we want them to develop creativity, resilience, problem-solving and critical thinking skills.

We want them to be aware of the career opportunities that will be open to them if they study computing, as well as promote and encourage girls to consider studying Computer Science at high school. We want our pupils to have a breadth of experience to develop their understanding of themselves as individuals within their community, but also as members of a wider global community, and as responsible digital citizens.

### **Implementation:**

At Ellingham School we use the National Centre for Computer Education's primary scheme of work: Teach Computing. This is a broad, balanced spiral curriculum, which allows for the progression of skills and knowledge in a systematic way, as content is organised into inter-connected networks. This helps our pupil to know and remember more over time.

Computing is taught in discrete computing lessons, as well as being used across the curriculum as a valuable educational tool, such as, using iPads for photography in Art; desktop publishing in English and History; data logging and graphing in science etc.

Pupil work is stored digitally on the Google Drive and Key Stage 2 pupils also have Computing pupil workbooks; KS1 pupils sometime record work in their PSHE books, as appropriate.

Key Stage 2 pupils use Google Classroom for both homework and in-school work. This prepares them well for high school, where this is used across all subjects and for homework.