Curriculum Intent

Subject: Computing

Computing has been considered by some to be the fourth industrial revolution.

Following a Global Pandemic with a reliance on technology, communication and computers, there has never been a more significant time to focus on being computer literate. At Kingsway Primary School, we intend to provide pupils with a plethora of opportunities to learn about digital literacy. programming, multimedia and data handling. Alongside this we will weave how to stay safe online, whilst carefully planning opportunities to revisit units taught prior to this. Our high quality Computing offering will be delivered through the NCCE. IT will engage and inspire pupils to develop a love of technology and their talent to manipulate devices, whilst building their self-confidence, creativity and sense of achievement. As pupils progress, they should develop a critical engagement with computers, allowing them to problem solve, debug and be mindful of staying safe whilst having an increasing confidence and appreciation for technology and how quickly it evolves

Aims and Objectives:

The national curriculum for computing aims to ensure that all pupils:

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