

## Computing – Intent

At Denewood Academy, we offer high quality computing lessons that provide pupils with the necessary skills and confidence towards further education and future career prospects. Pupils build upon skills from the national curriculum for Key Stage 1 & 2, and these include:

- \* Understanding and applying the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation
- \* Analysing problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems
- \* Evaluating and applying information technology, including new or unfamiliar technologies, analytically to solve problems
- \* Being responsible, competent, confident and creative users of information and communication technology

Delivered through an engaging curriculum, pupils will learn where computers originated and how they evolved into technology we use today. This builds into how to use technology safely and responsibly and supports pupils to have the ability to use technology throughout the curriculum and beyond to support their learning.

The lessons aim to challenge the pupils as they develop computational thinking skills including thinking logically and critically. These skills allow the pupils to demonstrate problem solving across computing but specifically within topics including programming and digital technology. Throughout the year, pupils will encounter various topics that build their character and resilience.

We want all pupils to leave Denewood as responsible digital citizens who have a love of learning and who are ready to explore their future potential.

