



## INTENT - IMPLEMENTATION - IMPACT

### COMPUTING

#### **INTENT**

At Semley School, we offer a structured sequence of lessons, helping ensuring that children have covered the skills required to meet the aims of the national curriculum. The content allows for a broad, deep understanding of computing and how it links to children's lives. It offers a range of opportunities for consolidation, challenge and variety. This allows children to apply the fundamental principles and concepts of computer science. They develop analytical problem-solving skills and learn to evaluate and apply information technology. It also enables them to become responsible, competent, confident and creative users of information technology.

#### **IMPLEMENTATION**

Each lesson contains revision, analysis and problem-solving, building on prior knowledge at the same time as introducing new skills and challenges. In KS1, the focus is on developing the use of algorithms, programming and how technology can be used safely and purposefully. In KS2, lessons still focus on algorithms, programming and coding but in a more complex way and for different purposes. Children also develop their knowledge of computer networks, internet services and the safe and purposeful use of the internet and technology. Skills learnt through KS1 and LKS2 are used to support more in-depth data presentation and handling in UKS2. All the elements of the computer curriculum are taught through six key strands which thread through our teaching from Year 1 to Year 6. These strands are Multimedia Text and Images, Multimedia Sound and Motion, Technology in Our Lives, Coding and Programming, Online Safety and in KS2 Handling Data.

#### **IMPACT**

Learning in computing is valued and enjoyed across the school. Teachers have high expectations and quality evidence will be presented in a variety of forms. Children will use digital and technological vocabulary accurately, alongside a progression in their technical skills. They will be confident using a range of hardware and software and will produce high-quality purposeful products. Children will see the digital world as part of their world, extending beyond school, and understand that they have choices to make. They will be confident and respectful digital citizens going on to lead happy and healthy digital lives.