

## Computing

### Computing - National Curriculum Aims:

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 programmes 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

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Intent

**To equip children with the knowledge and skills needed for an increasingly digital world**

Children will make links to other subject areas to enable them to have a computational understanding of the world. They will learn how to create and adapt programmes, understand how computer systems work while using technology, safely and respectfully. From nursery to year 6, children will study computer science, information technology and digital literacy.