

# Computing

**Subject:** Computing

**Teacher Responsible for Curriculum:** S George

## Intent Statement

At Oak Tree School, we are dedicated to ensuring our students become creators, not just consumers, of technology. We equip them with the essential skills and knowledge to thrive safely in the dynamic landscape of tomorrow's world. By integrating a wide range of technologies and diverse approaches, we aim to foster critical thinking, creativity, and digital literacy.

Through our comprehensive program, students engage in hands-on learning experiences that encompass coding, problem-solving, safety, and collaborative projects. These activities are designed not only to build technical proficiency but also to cultivate resilience and adaptability in the face of future challenges.

We understand the power of technology to break down geographical and socio-economic barriers, enabling us to connect and interact with the world. Additionally, technology provides significant accessibility opportunities for our pupils, further enhancing their learning experience.

## Implementation

Our Computing curriculum is adapted from the 'Teach Computing' Curriculum, fully aligning with the National Curriculum standards. This curriculum, developed by subject experts and grounded in the latest pedagogical research, offers an innovative progression framework. Computing content, including concepts, knowledge, skills, and objectives, is organized into interconnected networks known as learning graphs.

The curriculum aims to equip young people with the knowledge, skills, and understanding necessary to thrive in today's digital world and the future. It is structured around three key strands: computer science, information technology, and digital literacy, with each strand's aims clearly reflected in the curriculum.

A key aspect of our computing curriculum is prioritizing the safety of our pupils. We take online safety very seriously and aim to equip children with the essential skills to protect themselves in the digital world. Children have the right to enjoy their online experiences, access safe online spaces, and benefit from the opportunities a connected world offers, appropriate to their age and developmental stage.

## Impact