

Computing

Subject: Computing

Teacher Responsible for Curriculum: S George

Intent Statement

At Oak Tree School, we equip our pupils with the essential skills and knowledge to thrive safely in the dynamic landscape of today's and tomorrow's world. By integrating a wide range of technologies and diverse approaches, we aim to foster the critical thinking, creativity, and digital literacy skills needed to succeed in a modern world.

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

We place a strong emphasis on online safety to ensure that even our most vulnerable students are protected. 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 an adapted version of the 'Raspberry Pi Foundation' Curriculum, fully aligning with the National Curriculum standards. This curriculum, developed by subject experts and is grounded in the latest pedagogical research, offers an innovative progression framework. The Raspberry Pi Foundation provides a practical, hands-on approach which we have adapted to help learners understand key topics and skills in an engaging, accessible way.

A key aspect of our computing curriculum is teaching children the essential digital literacy skills needed in most walks of life while ensuring they know how to stay safe. We take online safety very seriously and aim to equip children with the 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.

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