

ICT / Computing - Statement of Intent:

By the end of Year 6, we, at Oaklands Junior, aim to prepare our learners for their future by giving them the opportunities to gain knowledge and develop skills that will equip them for an ever changing digital world. We want all our pupils to be competent in the key areas of computing and ICT and able to apply their knowledge and understanding safely in real-life and ever changing situations.

Knowledge and understanding of ICT is of increasing importance for our children's future both at home and for employment. Our Computing Curriculum, which is based on the Wokingham Computing Curriculum, focuses on a progression of skills in digital literacy, computer science, information technology and online safety to ensure that children become competent in safely using, as well as understanding, technology.

In **computer science** we will teach the principles of information and computation, how digital systems work and how to put this knowledge to use through programming information. In addition, we aim to ensure our children are equipped to use **information technology** to create programs, systems and a range of content. Computing also ensures that our pupils become **digitally literate** – able to explore, use, and express themselves and develop their ideas through, information and communication technology – at a level suitable for the future workplace and as active participants in a digital world.

These areas of Computing curriculum will be taught using 4 strands: Programming, Exploration, Communication and e-safety. These strands are revisited repeatedly through a range of themes during children's time in school to ensure the learning is embedded and skills are successfully developed. In addition, we will take part in national events such as Safer Internet Day, special assemblies and, once COVID restrictions have been removed, school initiatives such as using digital leaders to promote online safety.

We offer a broad and balanced curriculum which prepares pupils to use their understanding and thinking in ICT and computing creatively. Many of the skills and ways of learning tie in particularly well with our 'Thinking School' philosophy as well as our 'Oaklands' Mindset', for example challenge, resilience, communication, enjoyment. Our intention is that Computing also supports children's creativity and cross curricular learning to engage children and enrich their experiences in school.

Following the COVID pandemic, we recognise the impact that the lack of face-to-face teaching has had on children's progress in Computing and IT. Some children were able to develop their skills in using and understanding computer networks and technology during periods when accessing remote learning. Although regular lessons were provided as part of our remote learning provision during lockdown, we are aware that we will need to revisit some key concepts from previous year groups. This has been discussed during staff meetings and the subject leader has highlighted some key skills and concepts that need to be revisited by each year group.