

Computing

At Wormholt Park, we ensure that our pupils understand that technology is a key part of everyday life. We believe that teaching pupils about how computers and the internet work ensures that they are prepared for the new challenges and problems of the future.

Technology is integrated across all parts of the curriculum, which helps pupils understand that being technologically literate is relevant to every subject. Discrete computing lessons help pupils develop key skills from the National Curriculum from one of the three statutory computing strands:

-**Information technology**, where pupils use software and tools on computers to complete certain tasks, such as collecting and presenting information. This can include filmmaking, music production, and blogging. Pupils use a variety of software from the London Grid for Learning (LGfL) in order to do this, and pupils have the opportunity to access these resources at home as well.

-**Computer science**, where children understand how computers and networks operate. From year 1 onwards, Pupils develop their computer programming skills and computational thinking, which in turn can help them think more logically and clearly in other lessons at school. Robotics is integrated across all year groups, where pupils develop their skills programming on screen but also physically; whether this is programming and tinkering with code on simple robots in Key Stage One and in Early Years, or creating complex algorithms in Key Stage Two as part of games and programming sophisticated robots.

-**Digital literacy**, where pupils reflect on the safe and responsible use of technology, especially in the various ways people use the internet. Internet safety is taken particularly seriously at Wormholt Park and is discussed regularly outside of computing

lessons. It is our intention that our computing education allows pupils be feel confident and critical when using the internet so that pupils know what to do if they come across something inappropriate or that makes them feel uncomfortable.