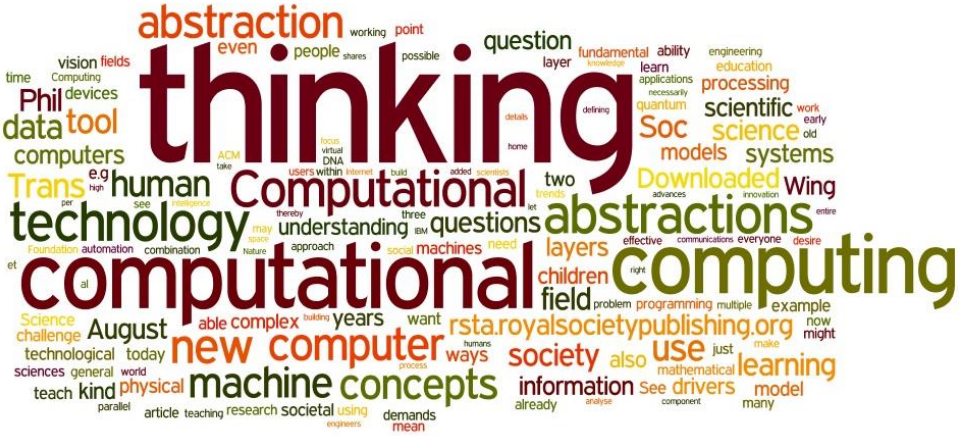
Oak Hill First School

Computing



Here at Oak Hill we want our children to be equipped with the knowledge and skills needed for life in the 21st century. We believe it is important to invest in maintaining and keeping up to date with the latest hardware and software available. This enables our pupils to use a range of technology and devices across the curriculum to support and enhance their learning.

Computers are now part of everyday life. For most of us, technology is essential to our lives, at home and at work. 'Computational Thinking' is a skill children must be taught if they are to be ready for the workplace and able to participate effectively in this digital world.
The national curriculum for computing has been developed to equip young people in England with the foundational skills, knowledge and understanding of computing they will need for the rest of their lives. Through the new programme of study for computing, they will learn how computers and computer systems work, they will design and build programs, develop their ideas using technology and create a range of content. (NAACE: Computing in the National Curriculum 2013)

At Oak Hill we plan and deliver lessons that provide a broad and balanced curriculum that prepares pupils to 'use computational thinking and creativity to understand and change the world. Our scheme of work focuses on the three main aspects of computing; Computer Science (CS), Information Technology (IT) and Digital Literacy (DL).

What is Computational Thinking?
Computers can be used to help us solve problems. However, before a problem can be tackled, the problem itself and the ways in which it could be solved need to be understood.
Computational thinking allows us to do this.
Computational thinking allows us to take a complex problem, understand what the problem is and develop possible solutions. We can then present these solutions in a way that a computer, a human, or both, can understand. (BBC Bitesize 2016)