



Faith is all around us.

We have to have faith in ourselves in order to be the best that we can be.

We are a small school, with big hearts and together we beat as one.

Sowing seeds of knowledge and faith, with nurture and love

We thrive, we grow.

Computing – Intent, Implementation and Impact Statement

Intent

All pupils at Wistow Primary School have the right to rich, deep and broad learning experiences that balance all aspects of computing (computer science, information technology and digital literacy). With technology playing such a significant role in society today, we believe ‘computational thinking’ is a skill pupils must be taught, if they are able to participate effectively and safely in this digital world. A high-quality computing education equips pupils to use technology creatively to understand and change the world in a safe manner. The use of resources from Teach Computing across the school underpins the curriculum needs of all these areas. Additionally, it enables us to make cross-curricular links to our school’s curriculum where appropriate.

Whilst navigating their way through an ever-changing digital world, we understand the importance of children being able to recognise what information is personal to them and who and when it is safe to share it. To do this effectively, children must have a clear understanding of the meaning of personal information and recognise their own responsibility in safeguarding this. Children will be taught about their digital footprint and where to seek support and advice should they need it. E-Safety will be integrated into our curriculum at all levels, as well as being an important part of our PSHE curriculum. We believe a strong understanding of E-Safety will enable children to access modern technologies and communicate effectively, whilst developing an ever-increasing understanding of how to keep themselves safe from evolving dangers in the digital world.

At Wistow School, we recognise the importance of embracing technology to enhance teaching and learning. It is our aim to provide staff with regular and relevant CPD opportunities and resources in order to deliver sessions with confidence and to further support them in identifying areas in which they can use computational skills across the curriculum through their own teaching and in the opportunities that children are provided with. We aim to ensure

children are given the chance to become creative thinkers, whilst experiencing a broad curriculum where computing is interwoven in all areas of their school life.

Implementation

Our scheme of work for Computing is adapted from the 'Teach Computing' Curriculum and covers all aspects of the National Curriculum. This scheme was chosen as it has been created by subject experts and based on the latest pedagogical research. It provides an innovative progression framework where computing content (concepts, knowledge, skills and objectives) has been carefully organised to allow for a broad curriculum to be taught, whilst ensuring clear progression.

The curriculum aims to equip young people with the knowledge, skills and understanding they need to thrive in the digital world of today and the future.

The national curriculum for computing aims to ensure all pupils:

- can understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation (Computer science)
- can analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems (Computer science)
- can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems (Information technology)
- are responsible, competent, confident and creative users of information and communication technology. (Digital literacy)

Our curriculum is arranged into four key stands, which fully cover the curriculum expectations for both Key Stage 1 and 2:

- Computer systems and Networks
- Creating Media
- Data and Information
- Programming

In addition to the scheme, we are committed to embracing technology and using it effectively in all areas of the curriculum to enhance learning and

enthuse pupils. When developing long and medium term plans, staff are encouraged and supported to identify opportunities in which technology can be used to enhance the learning experience of pupils.

Impact

Our well-planned, broad curriculum will develop the knowledge, skills and understanding required for pupils to access and use a range of technology safely, creatively and confidently.

The progression our curriculum provides means that pupils will have not only met the requirements of the National Curriculum, but also have experienced many ways in which they can use and apply technology to express themselves and their ideas creatively.

At Wistow School, we continually seek out ways in which to improve and enhance our provision, by carrying out research into new and advancing technology.