



Manor Farm Infant School - Curriculum Design for Computing

Computing INTENT

MFIS computing provision aims to equip our children to participate in a constantly evolving world where everyday activities are increasingly transformed by technology. It is our intention to enable children to find, explore, analyse, exchange and present information in a safe responsible and respectful manner.

We also focus on developing the necessary skills for children to apply this knowledge more independently and creatively. This includes Purple Mash, (2 Explore programmes), Espresso Coding, Word and Powerpoint.

Our curriculum enables children to develop their problem solving and reasoning abilities through the use of programming and coding.

Computing IMPLEMENTATION

Pupils will be taught to use age appropriate software and resources including spreadsheets, databases, email word processing, multimedia, presentations, control programming and coding.

They will also have the opportunities to apply learned skills in creative ways, both in computing lessons and across the curriculum.

Pupils will also have opportunities to use computers/laptops, tablets, Beebots, digital cameras and voice recorders. (This also includes providing additional ways for SEN pupils to access the curriculum e.g. through work processing or sound recording).

Pupils will be taught to understand and apply appropriate topic vocabulary, including technology, on-line, internet, algorithm, debug, software, log in, network and password

Pupils will gain an understanding of age-appropriate online safety issues, including 'Stranger Danger', cyberbullying, screen time and reliability of 'Search engine' information. Children are taught the SMART rules of online safety. (Safe, Meeting, Accepting, Reliable, Tell) and the skills and knowledge that they may need to know to keep themselves safe online.

Computing IMPACT

Pupils are enthusiastic about their experiences, which will be evident through their lessons, feedback and discussion.

Pupils will have developed their computing skills and have gained understanding of online safety issues and how to keep themselves safe online.

Pupils know how and why technology is used in school and the wider world and the different ways in which it can be used.

Pupils use taught vocabulary and learned skills independently, for example to success age appropriate software, resources and games.

Meeting the needs of our disadvantaged children, including Children Looked After, those eligible for Pupil Premium funding and those with SEND.

All pupils will have access to laptops, tablets, programmable robots, digital cameras and voice recorders as they progress through the school.

SEN children will have access to laptops, tablets, digital cameras or voice recorders as appropriate in order to record their work, for example a word processor can be used instead of writing, or a voice recorder can be used to verbally record ideas to aid memory.

Children will be able to work in mixed ability pairs to develop their understanding.