

## **Computing:**

Each pupil at Dean Field has the right to a wealth of rich, deep learning experiences within the subject area of computing. As technology plays such a significant role in society today, we believe 'Computational Thinking' is a skill children must be taught if they are to be able to participate safely and effectively in this digital world.

At Dean Field Community Primary School, the core of computing is Computer Science in which pupils are introduced to a wide range of technology, including desktop computers, Ipads, Beebot and interactive whiteboards, allowing them to continually practise and improve the skills they learn. This ensures they become digitally literate so that they are able to express themselves and develop their ideas through information and computer technology – at a level suitable for their next step into high school and the future workplace as active participants in a digital world.

We teach a curriculum that enables children to become confident users of technology who can:

- Understand and apply the fundamental principles and concepts of Computer Science, including logic, algorithms and data representation.
- Analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems.
- Evaluate and apply information technology analytically to solve problems
- Communicate ideas well by utilising appliances and devices throughout all areas of the curriculum.