

COMPUTING AT BARTONS

ENHANCING LEARNING THROUGH TECHNOLOGY



What does Computing look like at Bartons?

At Bartons we believe that our computing lessons should enable children to develop and use computational thinking skills and creativity. Computing extends into many other areas of the curriculum, with children using Information Technology in English, Maths and topic lessons.

All of our classrooms are equipped with Clevertouch smart boards, which are used within daily lessons and each class has their own iPad. In addition, we have a laptop trolley with a class set of laptops and several PCs in classrooms and the shared learning areas across the school.

Enrichment Opportunities

When the children reach Years 5 and 6 they have the opportunity to apply for a role as a Digital Leader. These children take part in a weekly lunchtime group where they further develop their computing skills across a range of activities, such as creating digital pop art during creative arts week.

What do we learn?

Computer Science is at the core of the computing curriculum and this is taught through discrete, weekly lessons across all year groups. The children are taught how digital systems work through offline activities and then they put this knowledge to work through programming - creating a range of programs, digital content and coding physical systems. These lessons use a range of apps, programmes and physical technology such as: BeeBot, Scratch and MicroBit.

In addition to this, children learn to be digitally literate by taking part in regular E-safety lessons throughout the year and by using information technology to creatively express themselves; presenting work in a purposeful way. This includes using Microsoft programmes such as Word, Excel and Powerpoint, as well as a range of apps such as: Adobe Spark, DoInk (green-screening), Figtent AR and SeeSaw.



Why is it important?

It is very clear that our children are growing up in a digital world, therefore it is important to ensure that our computing lessons at school allow them to become confident digital citizens - learning to be responsible for how they use information technology to interact with and enhance the world around them. By the end of primary school we want our children to:

- Enjoy using information technology with confidence and a sense of achievement.
- Be open-minded in their approach to information technology - being able to adapt to the different systems they may encounter in the future.
- Have practical skills in using information technology and have an understanding of the principles of computer science.
- Be able to independently choose and use information technology as a tool to enrich their learning.

What our children say about computing.

"I really like being able to use different types of technology, particularly the MicroBits to make games like rock, paper, scissors." (Clayton, Year 6)

"I like learning how to read and write code in scratch." (Peter, Year 5)