

Booker Avenue Infant School: Computing Vision

Our Computing Curriculum: Intent

We aim to prepare our children for a rapidly changing world through the use of technology at Booker Avenue Infant School. It is our intention that computing will be taught effectively and it will be a rich, broad and balanced computing curriculum fully mapped to the National Curriculum. Our curriculum offers pupils a computing education designed for mastery which covers all three strands of the computing curriculum:

- Digital Literacy – including eSafety
- Computer Science
- Information Technology

We ensure that our computing curriculum is fair, with all pupils being given the time and opportunity to fully understand, explore and apply skills and ideas in different ways, in different situations and in different subjects. This ensures that our pupils are able to fully grasp a concept and understand the relevance of their learning.

Our Computing Curriculum: Implementation

The curriculum at Booker Avenue Infant School is carefully mapped out to ensure that pupils acquire knowledge, vocabulary and skills in a well-thought out and progressive manner in every curriculum subject, ensuring sufficient coverage across each subject over time. Each lesson reviews prior knowledge whilst using strategies to support children in assimilating and accommodating new knowledge into their long term memory.

In Key Stage One, our children should, and will be taught to:

- understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions
- create and debug simple programs
- use logical reasoning to predict the behaviour of simple programs
- use technology purposefully to create, organise, store, manipulate and retrieve digital content
- recognise common uses of information technology beyond school
- use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.

Our Computing Curriculum: Impact

After the implantation of this robust computing curriculum, children at Booker Avenue Infant School will be digitally literate and have the core skills to join the rest of the world on its digital platform. They will be equipped not only with the skills and knowledge to use technology effectively and for their own benefit, but more importantly – safely. The biggest impact we want on our children is that they begin to understand the consequences of using the internet and that they are also aware of how to keep themselves safe online.

As children become more confident in their abilities in Computing, they will become more independent and key life skills such as problem-solving, logical thinking and self-evaluation become second nature.

Computing has a high profile at our school and our children are diligent learners who value online safety and respect when communicating with one another. Our children are proficient users of technology who are able to work both independently and collaboratively thanks to a clear progression in their computing skills through our school and in preparation for our pupil's next step and their future.