



Computing Curriculum

All pupils at Beever Primary School have the right to access rich, deep learning experiences which balance all the aspects of computing. With technology playing such a significant role in society today, we believe 'Computational Thinking' is a skill which children 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 creativity to understand and change the world. Computing has deep links with mathematics, science, and design and technology, and provides insights into both natural and artificial systems. At Beever Primary School, the core of computing is computer science, in which pupils are introduced to a wide range of technology, including laptops, iPads 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 communication technology- at a level suitable for the future workplace and as active participants in a digital world.

At Beever Primary School, we teach a curriculum which enables children to become effective users of technology who can:

- Understand and apply the essential 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.
- Be responsible, competent, confident and creative users of information and communication technology






We follow the DB Programming scheme of work which encompasses the programmes of study set out in the National Curriculum. The scheme provides a different unit of work for each half term with e-safety, computer science, programming, information technology and digital literacy being taught. Laptops and iPads are also used regularly to support and enhance learning in other areas of the curriculum.

All pupils at Beever Primary School have access to the DB Primary learning platform and through the site they have access to Espresso, Reading Cloud and TT Rockstars. On the site, much like many different social media platforms, our pupils create an online profile and can communicate with their peers. Teachers create groups and learning pages and pupils can e-mail as well as respond to forums and blogs. The users are limited to communication within Beever Primary School only and the platform allows pupils to experience all the features of the online world within safe parameters: a special whistle-blowing feature is included too in order to teach the children how to report any concerns. DB Primary also has a library of digital resources which meet many aspects of the National Curriculum and these form part of our homework provision.

At Beever Primary School, we promote the safe and sensible use of computers and devices, respecting the wishes and the privacy of all school users. We want our pupils to be aware of what to do if they come across offensive material or any inappropriate content, and to understand how to take care of themselves in an ever developing world of technology. E-safety is not just only a part of our computing curriculum and DB Platform provision: it is embedded within our Beever Pledge and taught through our PSHCE programme too. We also take part in Safer Internet Day and work closely with our local Police Community Support Officers.

High quality resources from the National Online Safety and Think U Know websites are also used regularly to inform parents and support the children's learning.



<h1>S</h1> <p>Stay Safe</p> <p>Don't give out your personal information to people / places you don't know.</p> 	<h1>M</h1> <p>Don't Meet Up</p> <p>Meeting someone you have only been in touch with online can be dangerous. Always check with an adult you trust.</p> 	<h1>A</h1> <p>Accepting Files</p> <p>Accepting emails, files, pictures or texts from people you don't know can cause problems.</p> 	<h1>R</h1> <p>Reliable?</p> <p>Check information before you believe it. Is the person or website telling the truth?</p> 	<h1>T</h1> <p>Tell Someone</p> <p>Tell an adult if someone or something makes you feel worried or uncomfortable.</p> <p>Follow these SMART tips to keep yourself safe online!</p> 
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SMART tips based on resource from www.thinkuknow.co.uk