# Computing Curriculum Intent, Implementation and Impact Overview

It is our intent at Beverley St Nicholas CP School to deliver a Computing Curriculum to equip children to participate in a rapidly changing world where work and leisure activities are increasingly driven by technology.  It is our intention to enable children to find, explore, programme, analyse, exchange and present information and data.  We also recognise the importance of developing the skills necessary for children to use information and technology in a discriminating and effective way.

Beverley St Nicholas CP School wants children to know more, remember more and understand more about computing and technology so they leave primary school as computer literate individuals.  As a school we recognise that computing skills are a major factor in enabling children to be confident, creative and independent learners and it is our intention that pupils have every opportunity available to allow them to achieve this.

The National Curriculum for Computing aims to ensure that all pupils;

- Can understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation
- Can analyse problems in computational terms, and have repeated practical experiences of writing computer programs in order to solve such problems
- Can evaluate and apply information technology (including new or unfamiliar technologies), to analytically solve problems
- Are responsible, competent, confident and creative users of information and communication technology

We have identified the key intentions that drive our Computing Curriculum.  At Beverley St Nicholas our Computing curriculum intentions are:

| Intent | Research Link | Implementation | Impact |
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| To build a computing curriculum that develops pupil's learning and results in the acquisition of knowledge of the world around them. | Education Endowment Fund research indicates that digital technology, where learners use programmes or applications designed for problem solving or open ended learning, is associated | A clear and effective scheme of work that provides coverage in line with the National Curriculum. Teaching and learning should facilitate progression across all key stages within the strands of | Children will be confident users of technology, able to use it to accomplish a wide variety of goals, both at home and in school. |

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| | with moderate learning gains (4 months progress on average). | digital literacy, information technology and computer science. Access to resources which aid in the acquisition of skills and knowledge. Children will have access to the hardware (computers, tablets, programmable equipment) and software that they need to develop knowledge and skills of digital systems and their applications. | |
| To build a computing curriculum that prepares pupils to live safely in an increasingly digital British society. | Department for Education research outlines that education providers must focus on the underpinning knowledge and behaviours that can help pupils navigate the online world safely and confidently regardless of device, platform or application: factors which are constantly changing. | A clear and effective scheme of work that provides coverage in line with the National Curriculum. Teaching and learning should facilitate progression across all key stages within the strands of digital literacy, information technology and computer science. Children will have the opportunity to explore and respond to key issues such as digital communication, cyberbullying, online safety, security, plagiarism and social media. Wider Curriculum Opportunities for the safe use of digital systems are considered in wider curriculum planning.<br><br> The importance of online safety is shown through displays within the learning environment. Parental | Children will have a secure and comprehensive knowledge of the implications of technology and digital systems. This is important in a society where technologies and trends are rapidly evolving. Children will be able to apply the British values of democracy, tolerance, mutual respect, rule of law and liberty when using digital systems. |

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| | | Communication Parents are informed when issues relating to online safety arise and further information/support is provided if required.<br><br>Safer Internet Day As well as opportunities within the scheme of work, children will also spend time further exploring the key issues associated with online safety | |