

Corvedale Computing Intent Implementation and Impact

Intent

It is our intent at Corvedale Primary School to provide all of our children with a high-quality education in computing which provides access to an ever changing and expanding digital world. We wish to develop a love of computing and provide children with the ability to enhance their knowledge, skills and understanding through different types of media whilst keeping safety at the forefront of their minds. We believe that this will give our children the tools they need to succeed in a digital world. In regard to online safety, GDPR will play an important role in allowing children to recognise what information is personal to them and who and when it is safe to share it. To do this effectively, children must have a clear understanding of the meaning of personal information and recognise their own responsibility in safeguarding this. Children will be taught about their digital footprint and where to seek support and advice should they need it. We believe a strong understanding of these things will enable children to access modern technologies and communicate effectively whilst developing an ever-increasing understanding of how to keep themselves safe from evolving dangers in the digital world. At Corvedale Primary school we want children to become digitally literate by developing a range of transferrable skills which can make them active participants in a digital world and prepare them for the world of work. We aim to encourage children to use, express themselves and develop their ideas through a range of information technology. A core aspect of our computing teaching will be the teaching of computer science in which pupils are taught the principles of information and computation, how digital systems work, and how to put this knowledge to use through programming. We aim to make explicit links to maths, science and design and technology.

Implementation

The Computing curriculum is taught discreetly and within application with the children progressing through age expected outcomes, continually reinforcing previous learning and progressing in skill development. We use planning and resources from NCCE and integrate software such as Purple Mash when needed. In addition, specific lessons relating to online safety, GDPR and personal information are taught to the children. GDPR is a key priority with children being taught what we mean by personal information, who should have access to it and how to keep it safe. Children are introduced to safe passwords, safe communication and what to do if they get that 'uh oh' feeling. In addition to discreet teaching, this continues to be implemented through other linked lessons and each time children access digital devices. At Corvedale we also use computing as an additional tool within our lessons to help children become creative thinkers and access learning in a variety of ways. Lessons are planned to maximize learning potential and to support this they may use a variety of digital devices when appropriate. The range of programmes and apps children access throughout their time in the school allow them to build a bank of skills and computing understanding to support them in developing their learning, expressing their creativity, and become digitally literate.

Impact

Children will have developed the knowledge, skills and understanding to help them access and use a range of technology in a safe and creative way. Children will have developed skills that equip them to use computational thinking and creativity to understand and change the world. Children's skills will have progressed to enable them to not only have met the requirements of the National Curriculum but to also enjoy using technology to develop knowledge and ideas as well as express themselves safely and creatively as responsible citizens. As a school, we continually seek out ways to improve our teaching of computing by taking part in and using research.