

Computing at Alexandra Primary School – Our Intentions:

Our computing curriculum intends to prepare children for the ever-changing world of technology and develop their skills, knowledge and understanding that will equip children for their future. Computing plays an important role throughout the whole curriculum, not just as a subject in its own right.

We aim to deliver stimulating and enriching curriculum opportunities intended to enable children to develop and use computational thinking to provide children with essential knowledge that will help children to participate effectively and safely in the digital world.

“Those who can imagine anything, can create the impossible.”— Alan Turing, computer scientist 1912-1954

Computing at APS aims to instill a sense of success around using different technologies to develop pupil’s appreciation of the different opportunities technology offers to, create, manage, organise, and collaborate.

- Children will be confident when using technology and be able to achieve their desired goals.
- Children will be able to use their computational thinking and apply this to their everyday lives.
- Children will have a secure and comprehensive knowledge of digital systems and technology.
- Children will know about in line safety and how to safeguard themselves whilst using digital platforms.

Through our computing curriculum at Alexandra, we aim to give our pupils the life-skills that will enable them to embrace and utilise new technology in a socially responsible and safe way in order to flourish.

We want the use of technology to support learning across the entire curriculum and to ensure that our curriculum is accessible to every child. Not only do we want them to be digitally literate and competent end-users of technology but through our computing lessons we want them to develop creativity, resilience, problem-solving and critical thinking skills.

We want our pupils to have a range of experiences to advance understanding of themselves as individuals within their community but also as members of a wider global community and as responsible digital citizens.

From Early Years, children will begin explore how technology is an everyday part of their learning and understanding of the world around them, including the using the internet safely and the importance of keeping themselves safe when using digital technologies.

In order for this to happen, we use a number of strategies which include:

- Progression in teaching and learning.
- Access to technology across the key stages.
- Opportunities to explore, converse and respond to key issues including cyberbullying, online safety, social media and security.
- Wider curriculum links are implemented including links with mathematics, design and technology and history.
- Identifying any potential consequences of using the internet and online platforms.

Our computing curriculum has deep links with mathematics, science, design and technology and engineering. Our curriculum also inspires children to use IT and computational thinking to create work, explain problems and develop their thinking which in turn will benefit them and contribute to the society they live in as adults. Children will become digitally literate, aware of the dangers online activities may bring, confident, more independent and able to problem solve, think logically and participate in self review.