Brookvale
ACADEMY

Computing Long Term Plan

At Brookvale, the intent of the KS3 Computing curriculum is to equip pupils with the digital knowledge, skills and confidence they need to access learning, stay safe online, and prepare for the next stage of education, employment and life. Computing is embedded across the curriculum, enabling pupils to apply digital skills in meaningful and relevant contexts while developing confidence, curiosity, creativity, challenge and character.

The curriculum is rooted in the National Curriculum and adapted to meet the individual needs of our pupils. Through a practical and engaging approach, pupils learn how technology is used in everyday life and develop the skills to use it safely, responsibly and effectively. Online safety is woven throughout the curriculum to ensure pupils understand how to protect themselves and others in an increasingly digital world.

Computing skills are reinforced across subjects to provide purposeful opportunities for application. For example, pupils use spreadsheets and data handling in mathematics and digital technology to collect, analyse and interpret data in science. Learning is linked to real-life scenarios such as creating and managing a budget, researching careers, completing online applications and developing the digital skills needed for future study and employment.

By the end of KS3, pupils will have developed digital literacy, computational thinking and problem-solving skills that support success across the curriculum and provide a strong foundation for KS4 qualifications. The curriculum ensures pupils are prepared for their next steps and can participate safely, confidently and successfully in a digitally connected world.

Computing is embedded in the following subjects

Mathematics: Pupils use spreadsheets and data-handling software to collect, analyse and present data, developing digital and statistical skills.
Creative Arts: Pupils use digital tools to create, edit and present artwork, music and multimedia projects, developing creativity through technology.
Topic: Pupils use technology to research information, present findings and explore real-world issues through a range of digital media.
PSHE: Pupils develop digital literacy and online safety skills, learning how to use technology responsibly, safely and respectfully.
English: Pupils use word processing, presentation and research tools to plan, draft, edit and publish their work while developing communication skills.

Pupils will be able to:

1. Use technology safely and responsibly online.
2. Use digital tools to find, organise and present information.
3. Use spreadsheets and data to answer questions and solve problems.
4. Create digital content, including documents, presentations and media.
5. Use technology to solve real-life problems and prepare for future learning and work.