

Farnham Primary School

Computing

Intent

The curriculum objectives will ensure the children can:

- Use the internet safely, responsibly and effectively.
- Understand computer networks and that they provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration.
- Be confident, competent and responsible users of information and communication technology.
- Solve problems using information technology by applying the appropriate software, e.g., Google Slides, Google Sheets, Google Slides and Scratch.
- Apply and understand the principles of computer programming.
- Use computer programs to solve problems, finding the most efficient methods.

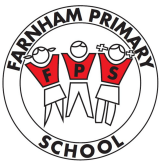
Implementation

The computing progression document outlines what is covered across the school and how the subject is sequenced. Supported by Mr. P ICT - D.A.R.E.S Scheme of work, Teach Computing (National Centre for Computing Education), Scratch, Microsoft Software and Google Applications.

Resources: Chromebooks and iPads.

Lessons include:

- The purposeful use of technology to create, organise and develop digital content.
- The use of computer programming to analyse and solve problems.
- Exposure to a range of digital hardware, software and internet content in order to develop responsible, competent, confident, resilient and creative users of information and communication technology.
- Understanding and strategies of how to stay safe online.



- Access to a specialist classroom of computers and a range of digital devices, such as iPads and digital cameras.
- Secure access to the internet through Google Classroom, which offers a range of software applications designed for primary children, and is also the foundation of our home learning offer.
- Differentiation and adaptation for all abilities.

Impact

Children will be confident users of technology and use it to accomplish a wide variety of goals, both at home and in school. 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.

We encourage children at Farnham to enjoy and value the curriculum we deliver. Teachers will constantly ask the WHY behind their learning and not just the HOW. We want learners to discuss, reflect and appreciate the impact computing has on their learning, development and well-being.

Progress of our computing curriculum is demonstrated through outcomes and the record of coverage in the process of achieving these outcomes.

Assessment includes:

- Knowledge organisers to understand vocabulary, sticky knowledge and key information.
- Pupils' self-assessment and peer assessment. (Evaluation lesson from the D.A.R.E.S). Teachers give live verbal feedback.
- Ongoing assessment during lessons with teachers adapting planning as required.
- Success criteria (I know statements) and non-negotiable sticky knowledge identified within slides. This will support teachers in assessing children's learning.
- Work in Floor Books, Google Classroom or photos/videos uploaded on the Photos Drive (Computing D.A.R.E.S folder).