

Computing

Why teach Computing (Intent)

At Penketh Primary we follow the National Curriculum programme of study which covers all three areas of Computing; Computer Science (programming), Information Technology (general computer skills) and Digital Literacy (e-safety and an awareness of technology).



Computing ensures that pupils become digitally literate so that they are able to use and express themselves and their ideas through ICT to a level suitable for the future workplace and as active participants in a digital world

How we teach Computing (Implementation)

Children use equipment within their classrooms and are taught as a whole class. They get lots of opportunities to use the skills and knowledge from these lessons in other curriculum areas.

Online safety lessons are a key part of the curriculum. We revisit this topic throughout the year to ensure that the children know how to keep safe online and what to do if they have any concerns. They will learn how to be responsible and keep information safe.

Enrichment opportunities are provided throughout and beyond our computing curriculum for all pupils. These opportunities include coding club, National Safer Internet Day, visits to workplaces and a carefully planned visitor programme.

What your children will learn (Impact)

- How to understand and apply the fundamental principles and concepts of computer science.
- How to analyse problems in computational terms and have repeated practical experience of writing computer programs that will solve such problems.
- How to evaluate and apply information technology, including new or unfamiliar technologies, to solve problems.
- To be responsible, competent, confident and creative users of information and communication technology across a range of curriculum subjects.