

What does Computing look like at Vicarage Primary School?

At Vicarage School the Computing curriculum is delivered through 'Switched on Computing' scheme of work. The scheme is closely referenced against the 2014 National Curriculum to ensure progression and coverage is clear. The scheme has been adapted and tailored to meet the needs of our pupils.

The Computing curriculum gives pupils exposure and opportunities to build on computational thinking via a range of hardware and software and become active in the digital world through using computational thinking and creativity. Pupils gain an understanding of how this applies beyond the context of the classroom.

Pupils are given access to a range of equipment to support their learning: iPads, cameras, interactive whiteboards, data logging technology, class cameras and video recorders, Bee-bots, Pro-bots and dictaphones.

Computing is taught in discreet lessons, this means that pupils are able to develop depth in their knowledge and skills over the duration of each of their computing topics. Where appropriate, meaningful links will be made between the computing curriculum and the wider curriculum. For example, using Excel in maths, Google Earth for Geography and eBooks for reading.

Our Computing curriculum is based on four key concepts,

Code	Connect
Communicate	Collect

These key concepts are the 'big ideas' which run as threads through the curriculum. The same key concepts are explored and revisited in each unit of work in every year group. This enables pupils to build on prior knowledge, deepen their contextual knowledge and always working towards the bigger picture of achievement at the end of each year group or phase.

Examples of learning and enrichment activities at Vicarage Primary School.

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|-----------------------------------|------------------------------------|
| Coding club | Computing club |
| Digital literacy workshops | E-Safety team |
| Hour of code | Safer Internet Day |
| Exposure to a variety of software | Internal and external competitions |
- Careers workshops where professionals from the technology field are invited to discuss their jobs
 - Use of different equipment including cameras, iPads, cameras, interactive whiteboards, data logging technology, class cameras and video recorders, Bee-bots, Pro-bots, lego and dictaphones.

Computing at Vicarage Primary School

How do we teach online safety?

In order to teach digital literacy, we target the following objective:

- Be digitally competent, responsible and confident users.
- Critically evaluate content online

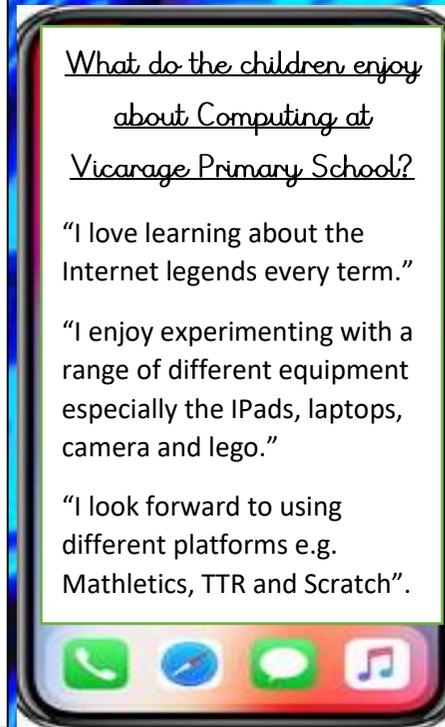
This is taught termly through the 'Internet Legend scheme of work endorsed by Google. Furthermore, within the computing units, we draw upon digital literacy links. To accommodate this, we participate in Safer Internet Day whereby, throughout the week, principles of digital literacy are taught in early morning work, P4C questions, eBooks related to online safety, internal and external competitions, and workshops. In addition to this, an E-safety newsletter is sent to parents and a parent workshop is held annually.

What do the children enjoy about Computing at Vicarage Primary School?

"I love learning about the Internet legends every term."

"I enjoy experimenting with a range of different equipment especially the iPads, laptops, camera and lego."

"I look forward to using different platforms e.g. Mathletics, TTR and Scratch".



Reasons for learning Computing

It is our intention to encourage pupils to build the confidence to become technologically well informed and be able to harness skills to be confident individuals in the technological era they are living in. We would like pupils to have exposure to computer science including coding blocks and become familiar with a variety of different software beyond MS office. We would like them to become aware of the technological advances around them and be aware of the jobs in the field of technology.

We measure the impact of our curriculum through the following methods:

- ✓ **Pupil conferencing** – Are children happy, engaged, motivated to do well, challenged? Do they know more? Can they remember more?
- ✓ **Assessment** – Exit quiz and evaluations completed at the end of each topic to assess pupil's understanding, knowledge and skills. The information from assessments will be used to inform leaders of school improvements or skills that need to be further enhanced.
- ✓ **Book Looks** – Are all children making at least sufficient progress from their various starting points? Images and videos of pupil's practical learning.
- ✓ **Lesson Visits** – Quality of teaching and learning is good to outstanding
- ✓ **Parent surveys** – Are parents happy with the curriculum we provide, if not – how can we improve?
- ✓ **Subject portfolio** – Can you see progression of skills and knowledge across the school? Is the curriculum ambitious and goes beyond the National Curriculum?