Computing at Wallop Primary School

Intent

At Wallop Primary School it is our intention to enable children to have the skills and confidence to work in a world where technology is always advancing and evolving. We want children to develop their skills in information technology and their computational thinking so that they leave primary school ready to access the key stage 3 curriculum and use technology effectively outside of the classroom.

We aim to give children opportunities to explore key areas of computing including the following:
- safe use of the internet
- understanding computer systems and networks
- creating media
- data and information
- programming and computational thinking

Through the teaching of computing at Wallop, we aim for children to secure core knowledge in these areas, develop skills which can be applied to both familiar and unfamiliar technologies and feel empowered to make safe and responsible choices when using technology.

Implementation

Discrete Lessons

Our computing curriculum is delivered through weekly discrete lessons which follow the Teach Computing curriculum curriculum which provides coverage in line with the National Curriculum strands of digital literacy, information technology and computer science. Where possible, transferable skills are applied and revisited across other curriculum subjects. Computing knowledge and skills are taught progressively following the progression of core knowledge statements and progression in skills documents which follow four separate strands: computing systems and networks; creating media; data and information and programming.

Computing lessons begin by reviewing prior learning to support children in their recall of the core knowledge for that unit. Key knowledge is broken down into small chunks and open-ended tasks are set to allow the children the chance to practise and apply new skills and knowledge. Scaffolds are provided to support children who require additional support to achieve the learning outcomes. Alongside this, open-ended tasks are extended to provide appropriate challenge, where appropriate.

During lessons, teachers regularly check for understanding and modify their teaching as appropriate. After a lesson, teachers use this information alongside assessing children's independent tasks to plan for the next session.

Every Learning Minute Matters

E-Safety

Alongside this, every half term begins with teaching key E-safety knowledge as outlined in the E-Safety progression document for all year groups from EYFS to Year 6. These lessons follow the Project Evolve lesson plans which plan for appropriate coverage and progression. Additional units are taught during anti-bullying week and Safer Internet Day.

Assessment

At the end of every unit of work, opportunities for summative assessment are planned for. This takes the form of a rubric (to assess skills) or a quiz (to assess knowledge). This information is then used to plan and adapt future units of work.

EYFS

In EYFS, we encourage a child-led approach to the use of technology. As part of continuous provision, we provide a range of resources to support their curiosity and awareness of a range of technology including the following: old mobile phones, telephones, laptops and Bee Bots.

Artificial Intelligence (AI)

At Wallop Primary School, we do not teach the use of pupil-facing generative AI. Staff are trained in identifying the safeguarding hazards introduced by AI. While the use of AI is not taught, the dangers of misinformation and fake news is part of our e-safety learning. Further information can be found in our safeguarding and child protection policies as well as our staff code of conduct.

Impact

Children are confident users of technology able to use a wide range of programmes and hardware to accomplish goals in school and in their wider life. Children have secure and comprehensive knowledge of technology and digital systems which allow them to keep up with the rapidly evolving technology in everyday life. Children feel empowered to make safe and responsible choices when using technology and know how and where to receive help when needed.

At Wallop Primary School, the impact of our computing curriculum will be evidenced through:
- **School Internal Monitoring**:
  - Learning walks and lesson observations
  - Book looks
  - Planning scrutinies
- **Pupil Voice**
  - Pupil conferencing
  - Pupil surveys

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