



Computing

Intent, Implementation and Impact statement

Intent

At Weare Academy our intent is to equip every pupil with the essential digital skills and knowledge they need to thrive in an increasingly technological world. We aim to foster a passion for Computing through a well-structured curriculum that not only covers coding, algorithm design, and digital literacy but also encourages creative problem-solving and critical thinking. Our overarching goals are to:

- **Develop Computational Thinking:** Teach pupils to break down complex problems into manageable parts and to develop algorithms to solve them effectively.
- **Enhance Digital Literacy:** Ensure that all pupils understand how to use technology safely, responsibly, and ethically, including online safety measures and digital footprint awareness.
- **Encourage Creativity:** Provide opportunities for pupils to express their creativity through coding projects, multimedia presentations, and digital art, nurturing their innovation skills.
- **Prepare for Future Careers:** Introduce pupils to various applications of Computing in real-world scenarios, making them aware of emerging technologies and potential career paths in the digital world.
- **Promote Collaboration and Communication:** Foster teamwork through collaborative projects, enabling pupils to share ideas and learn from one another, reinforcing their social and communication skills.

Implementation

To successfully implement our Computing curriculum, we adhere to the following strategies:

- **Curriculum Design:** Our Computing curriculum is aligned with the National Curriculum and encompasses three key areas: Computer Science, Information Technology, and Digital Literacy. We employ a spiral curriculum approach, allowing pupils to revisit and build upon key concepts each year.
- **Progressive Skill Development:** Each year group is provided with structured lessons that build progressively on skills from previous years, ensuring that pupils are challenged appropriately and can see clear pathways to mastery.
- **Hands-On Learning:** We provide a range of practical activities including coding using platforms such as Scratch, robotics using Bee-Bots, and multimedia projects using digital tools (e.g., video editing software and graphic design applications).
- **Outstanding CPD for Staff:** We ensure staff receive comprehensive training and ongoing professional development to enhance their subject knowledge and pedagogical skills in Computing.

This training includes collaboration with external experts, attendance at technology network meetings, and regular in-house sessions.

- **Integration across the Curriculum:** Computing is purposefully integrated into other subjects, promoting interdisciplinary learning where technology enhances enquiry-based learning. For example, pupils may create presentations related to their history projects or collect and analyse data in science.

Impact

The impact of our Computing curriculum is measured through a variety of qualitative and quantitative assessments, ensuring we can demonstrate ongoing progress and achieve outstanding outcomes:

- **Pupil Progress and Engagement:** We track pupils' progress through regular formative assessments and summative evaluations. Pupil feedback indicates high levels of engagement, with many expressing enthusiasm for lessons and demonstrating increased confidence in their abilities.
- **Cultivating Digital Citizenship:** Pupils exhibit a strong awareness of online safety and ethical guidelines when using technology, as evidenced by their behaviour both in school and outside. We conduct regular discussions to measure pupils' understanding of responsible technology use.

In summary, our comprehensive Computing education at Weare Academy embodies the aspirations outlined in the Ofsted framework, ensuring that our pupils are not only adept in technical skills but also prepared to navigate the digital world with confidence and creativity.