Weare Academy
C of E First School
All Can Achieve

# 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 creativity, computational thinking, problem-solving and critical thinking. Through the teaching of Computing, we aim to develop learners who are:

- **Aspirational** through creativity, providing opportunities for pupils to express their creativity through coding projects, digital design and multimedia presentations.
- **Respectful** when using technology in a way that promotes positive, inclusive, and supportive online environments.
- **Curious** through preparation for future careers, we 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.
- **Resilient** by developing computational thinking, enabling pupils to break down complex problems into manageable parts and design algorithms to solve them effectively.
- **Kind** with digital experiences that support well-being and mutual understanding. We believe that technology should not only be smart, it should also be kind.
- **Responsible** through digital literacy, ensuring that all pupils understand how to use technology safely, responsibly, and ethically, including online safety measures and digital footprint awareness.

### Implementation

To achieve our intent, we implement a rich and varied computing curriculum that adheres to the National Curriculum and reflects the values of our school community. Our inquiry-based approach includes:

- **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.
- **Integration across the Curriculum:** Computing is purposefully integrated into other subjects, promoting interdisciplinary learning where technology enhances inquiry-based learning. For example, pupils may create presentations related to their history projects or collect and analyse data in science.
- **Progressive Skill Development:** Each year group follows a carefully sequenced programme of learning that builds on prior knowledge and skills. Teachers use explicit instruction and live

modelling to demonstrate effective strategies, ensuring pupils are appropriately challenged and recognise their own progression. Oracy is developed through collaborative problem-solving, digital storytelling and discussion of computational thinking.

- **Assessment for Learning:**
  Assessment is an integral part of our curriculum and is used to inform teaching and support pupils' progress. We use the SOLO to help pupils understand their learning journey, assess the depth of their understanding and identify clear next steps. Through SOLO questioning, self-assessment and teacher feedback, pupils reflect on their learning, refine their solutions and develop increasingly sophisticated computational thinking, technical knowledge and digital vocabulary over time.
- **Hands-On Learning:** We provide a wide range of practical learning experiences including coding with Scratch, robotics using Bee-Bots, data handling, digital media creation and multimedia projects using tools such as PowerPoint and video editing software.
- **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.

## 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, using technology 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 Computing curriculum equips pupils with the knowledge, skills and confidence to become safe, responsible and creative users of technology. Through a carefully sequenced curriculum, pupils develop the computational thinking and digital literacy needed to succeed in further education and an increasingly digital world.