



Computing Curriculum Intent, Implementation and Impact

Intent

At Whitechapel, we are committed to providing a comprehensive computing curriculum that equips our pupils with the skills, knowledge, and understanding required to thrive in an increasingly digital world. Our intent is built upon the following objectives:

- **Engagement and Inclusivity:** To create an engaging learning environment that caters to all pupils, regardless of their starting points, ensuring that every child develops a passion for computing and technology.
- **Skill Development:** To ensure that pupils gain a solid foundation in computational thinking, programming, digital literacy, and safe internet practices. This includes using a range of technologies confidently and creatively to solve problems.
- **Real-World Application:** To connect computing concepts to real-world scenarios, allowing pupils to understand the relevance of computing in everyday life while fostering critical thinking and problem-solving abilities.
- **Preparing for the Future:** To prepare our pupils for future opportunities in an ever-evolving digital landscape, ensuring they are not just consumers of technology but also creators of innovative solutions.

Implementation

To realise our intent, we adopt a structured and dynamic approach to implementing the computing curriculum:

- **Curriculum Design:** Our computing curriculum is carefully designed following the National Curriculum guidelines and is divided into key areas: computer science, information technology, and digital literacy. Our curriculum documents outline the progression of skills across all year groups, ensuring seamless transition and development.
- **Hands-On Learning:** We prioritise experiential learning through a blend of theoretical concepts and practical applications. Pupils engage in coding activities, robotics, and collaborative projects that encourage teamwork and creativity. Each year group has dedicated computing lessons, supplemented by cross-curricular projects that integrate computing with other subjects.
- **Professional Development:** We invest in ongoing professional development for our teaching staff, ensuring they are well-equipped with the latest pedagogical strategies and technology advancements. Regular training sessions, workshops, and collaboration with external experts enhance teachers' confidence in delivering a high-quality computing education.
- **Digital Citizenship Education:** Integral to our implementation is fostering a culture of online safety and responsible digital citizenship. We deliver a comprehensive programme on internet safety, cyberbullying prevention, and the ethical use of technology, ensuring that pupils understand the impact of their digital footprints.
- **Assessment and Feedback:** We utilise a variety of assessment approaches, including formative assessments, peer evaluations, and self-assessments, to



monitor pupil progress and inform future planning. Constructive feedback is essential in tailoring support for individual learning needs, facilitating growth and understanding.

Impact

The impact of our computing curriculum can be measured through various indicators:

- **Pupil Engagement and Achievement:** Pupils demonstrate high levels of engagement and enthusiasm for computing, evidenced by their participation in lessons and positive feedback. End-of-year assessments indicate strong progression in computational skills and understanding.
- **Skill Acquisition:** Most pupils exhibit proficiency in key computing skills, including programming in block-based and text-based languages, data representation, and digital communication. Our audits show that pupils can apply their skills to solve real-world problems effectively.
- **Digital Responsibility:** Pupils display an understanding of safe online practices and demonstrate ethical behaviour when using technology. Regular surveys indicate increased awareness of cyber safety, and pupils articulate the importance of maintaining a positive digital identity.
- **Parental and Community Engagement:** We foster partnerships with parents, promoting an understanding of the relevance of computing education. Weekly dojo messages allow parents to engage with their children's learning, reinforcing the support for our computing curriculum.
- **Future Readiness:** Through our curriculum, pupils are equipped with a range of soft and technical skills, preparing them for secondary education and future careers in the digital sector.

In summary, Whitechapel's computing programme embodies our commitment to excellence in education, fostering not only skilled and knowledgeable pupils but also responsible digital citizens ready to face the challenges of the future. Our intent, implementation, and impact are continually reviewed and refined to meet the evolving needs of our students and the wider community.