

Computing Curriculum Intent, Implementation, and Impact Statement

Intent

At Inkpen Primary School, our Computing curriculum is designed with the intent to engage, inspire, and equip our pupils with the necessary knowledge and skills to thrive in the ever-evolving digital age. Through the Purple Mash platform, we aim to develop not only children's technical proficiency but also their critical thinking, creativity, and resilience.

Our curriculum is built upon the following key objectives:

- **Digital Literacy:** We strive to ensure that all pupils become competent and confident users of digital technologies, recognising the impact of computing on everyday life and understanding how to navigate, evaluate, and create information across a range of digital platforms.
- **Computational Thinking:** Our intention is to nurture problem-solving skills through the exploration of algorithms, programming, and data representation. Pupils will learn to decompose complex problems and develop systematic approaches to finding solutions using logical reasoning.
- **Creativity and Innovation:** We encourage expression and originality in computing, empowering pupils to create digital content such as videos, animations, and games that reflect their interests and ideas. We aim to cultivate an innovative mindset that leads to imaginative problem-solving.
- **E-safety Awareness:** In recognition of the ever-increasing digital presence in children's lives, we prioritise the promotion of online safety, responsible behaviour, and respect for others in the digital environment. Pupils will understand the importance of protecting their personal information and recognise online risks.

Implementation

Our approach to implementing the Computing curriculum is robust and well-structured, ensuring a high standard of teaching and learning throughout the school. Key elements of our implementation strategy include:

- **Progressive Curriculum Design:** Our Computing curriculum is carefully sequenced, building on prior knowledge and skills as pupils progress through the year groups. Each unit of work is aligned with the National Curriculum and designed to encourage inquiry-based learning and hands-on experiences, prominently featuring the Purple Mash platform to facilitate engaging and interactive activities. Children access the Purple Mash platform from EYFS all the way to Year 6.

- **Cross-Curricular Connections:** We recognise the importance of integrating Computing across different subject areas. By linking Computing lessons with other subjects, especially through Purple Mash's wide array of resources, we enhance pupil engagement and demonstrate the relevance of technology in various contexts such as using coding to support mathematical concepts or creating digital art for the arts.
- **Quality Resources and Professional Development:** Our staff receive ongoing professional development to stay current with the latest educational technologies and teaching strategies in Computing. We utilise Purple Mash as a key resource for lesson planning and interactive learning, enabling teachers to create dynamic learning environments tailored to the needs of all learners.
- **Diverse Learning Opportunities:** We provide a wide range of experiences, including coding clubs and projects within Purple Mash, to enrich our Computing curriculum. This variety caters to different learning styles and interests, ensuring all pupils have the opportunity to excel.
- **Daily Use of Chromebooks:** We integrate Chromebooks into our daily teaching to support wider areas of the curriculum. Pupils utilise these devices for research, project work, and access to learning applications, enhancing their ability to collaborate and innovate across subjects.
- **Assessment and Feedback:** We implement formative and summative assessments to monitor pupil progress and understanding regularly. The tools within Purple Mash facilitate ongoing feedback, helping pupils to reflect on their learning and set personal goals.

Impact

The impact of our Computing curriculum is evident through the achievements of our pupils and the overall school community:

- **Pupil Achievement:** Our pupils demonstrate a high level of confidence in using a range of digital tools, particularly through Purple Mash. Many express excitement and enthusiasm for Computing, resulting in improved engagement and enthusiasm for learning.
- **Skill Development:** Pupils develop essential skills such as critical thinking, problem-solving, collaboration, and communication. We routinely observe pupils taking initiative and leading projects within Purple Mash, showcasing their ability to apply Computing skills practically.
- **Parental Engagement:** We prioritise communication with parents regarding their child's Computing education. Regular newsletters, workshops, and events highlight the use of Purple Mash and Chromebooks, keeping parents informed and involved and fostering a supportive learning environment at home.

- **Evaluation and Continuous Improvement:** We regularly review our Computing curriculum and its implementation to ensure it meets the evolving needs of our pupils. Feedback from pupils, staff, and parents drives our ongoing commitment to excellence and innovation, particularly through enhancements in our use of Purple Mash.