

Computing Curriculum Overview

At our school, we believe that computing is a vital life skill that prepares pupils for the ever-changing digital world. We follow the **Purple Mash 2Simple Computing Curriculum**, ensuring a structured, engaging and progressive approach to computing from **Reception through to Year 6**.

Each year group takes part in a **dedicated weekly computing lesson**, helping pupils develop confidence in digital literacy, computer science, and information technology.



A Curriculum Built on Skills and Creativity

Our curriculum follows the three key strands of the **National Curriculum**:

- **Computer Science** – Learning to write code, solve problems, and understand how digital systems work.
- **Information Technology** – Using programs and software to collect, present and analyse information.
- **Digital Literacy** – Using technology safely, respectfully, and responsibly in daily life and online.

Pupils progressively build on prior learning each year, revisiting and deepening their understanding of core concepts such as algorithms, programming, multimedia design, and data handling.



Purple Mash – Engaging and Structured Learning

We use the **Purple Mash Scheme of Work**, which provides:

- Age-appropriate, **skill-based units** from coding to spreadsheets and online publishing.
- **Assessment and tracking tools** to monitor progress.
- A wide range of digital tools including 2Code, 2Email, 2Calculate, and more.
- Integration with other subjects through data projects, digital storytelling, and cross-curricular content.



Online Safety – A Whole-School Priority

Online safety is taught **explicitly at the start of every computing lesson**, ensuring pupils know how to use the internet safely, responsibly, and respectfully. We further reinforce this through:

- **Annual Internet Safety Day**
- **Workshops with local PCSOs and HSBC bank around how to keep safe online**
- **Online safety units in our PSHE curriculum**

Children are taught how to protect their privacy, report concerns, and navigate the digital world with confidence and care.



Digital Confidence for the Future

Through computing, our children develop critical thinking, problem-solving and creativity—essential skills for both school and future careers. By the end of Year 6, pupils are:

- **Digitally literate** and confident using a range of devices and software.

- **Responsible digital citizens**, ready to thrive in secondary school and beyond.