

The Computing Curriculum at Sacred Heart RC Primary

“Inspiring our pupils to become competent and confident creators of future technology”

The Computing curriculum is split into 3 strands – **Computer Science, Information Technology and Digital Literacy.**

Computer Science

- Pupils will be taught to understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation.
- Pupils can analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems.

Information Technology

- Pupils can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems. **Digital Literacy**
- Pupils are responsible, competent, confident and creative users of information and communication technology.

Our Core Values

- ***Computational Thinking*** – Provide a broad, relevant and challenging curriculum for all children. Ensuring opportunities for abstraction, decomposition and creation of algorithms across the year groups to improve computational problem solving.
- ***Evaluating and Debugging*** – Ensure opportunities for tinkering, creating, finding and fixing errors, persevering and collaborating.
- ***Digitally Aware*** – Offer a high quality and relevant online safety curriculum. Supporting pupils’ social, emotional and mental wellbeing in this digital age.