



Statement of Intent for Computing at Hogarth Primary School

Subject Leader: Katherine Fair

Intent

At Hogarth Primary school, we want our children to be masters of technology. Technology is everywhere and will play a pivotal part in our students' lives. Therefore, we want to model and educate our students how to use it positively, responsibly and safely. Through our computer science lessons, we hope our students develop their creativity, resilience, problem solving skills and critical thinking skills. This will allow students to become effective users of technology who can -

- Understand and apply essential principles and concepts of computer science, including logical thinking, algorithms, and data representation
- Analyse problems in computational terms and have repeated experiences of writing computer programs in order to solve problems
- Evaluate and apply information technology analytically to solve problems
- Communicate ideas well by utilising appliances and devices throughout all areas of the curriculum

Technology can allow pupils to share their learning in creative ways. A high-quality Computing education equips pupils to be able to apply their knowledge creatively, which will in turn help our children become skilful Computer Scientists.

Staff at Hogarth Primary School are encouraged to embed Computing across the whole curriculum to make learning creative and accessible. We aim to ensure our students are fluent with a range of tools to best express their understanding. By doing so, we hope that by Upper Key Stage 2, children can independently and creatively choose the best tools to fulfil the task and challenge set by teachers.

Implementation

At Hogarth Primary School, we follow a comprehensive skill progression to best embed and cover every aspect of the Computing curriculum. The knowledge and skills build year on year to deepen and challenge our learners.

Computing is embedded across our curriculum as well as each class being timetabled to one hour of discrete computing per week. This allows children to develop depth in the knowledge and skills taught. Staff plan cycles of lessons each half term which include progression and depth. They utilise 'Kapow's' topic plans which develops pupils' knowledge and provides sequential lessons that ensure pupil progression.

Our broad curriculum encompasses three strands which run throughout:

- Computer Science
- Information Technology
- Digital Literacy.

The Kapow Primary scheme is organised into five key areas, creating a cyclical route through which pupils can develop their Computing knowledge and skills by revisiting and building on previous learning:

- Computer systems and networks
- Programming
- Creating media
- Data handling
- Online safety

Tinkering with software and programs forms a part of the ethos of the scheme as we want to develop pupils' confidence when encountering new technology, which is a vital skill in the ever evolving and changing landscape of technology. Our 'Skill Showcase' units provide pupils with the opportunity to learn and apply transferable skills. In Computing lessons, the children will use either the iPads or Laptops in order to access a range of apps and software.

Impact

At Hogarth Primary School, we encourage children to enjoy and value the curriculum we deliver. We want our learners to discuss, reflect and appreciate the impact Computing has on their learning, development and well-being.

After the implementation of this Computing curriculum, children will be equipped, not only with the skills and knowledge to use technology effectively and for their own benefit, but more importantly – safely.

Finding the right balance with technology is key to an effective education and a healthy lifestyle. We feel that the way we implement our Computing curriculum at Hogarth Primary School helps children realise the need for the right balance and one they can continue to build on in their next stage of education and beyond.