The Computing Curriculum at Sacred Heart RC Primary

We work very hard at Sacred Heart to ensure our computing curriculum is varied and challenging enough to meet the needs of our pupils. The computing curriculum is split into three strands – *Information Technology, Computer Science and Digital Literacy.*

Computer Science

- ***Coding*** is taught as a stand alone subject delivered by our computing specialist Mr Connelly. The children are using Purplemash software to use sequences, selection and repetition to make things happen on screen. They use logical reasoning to debug programmes.
- ***Control*** is delivered across the curriculum in KS1, using floorbots and special control software to practise moving a device around a specific area. In KS2 control is taught as a standalone unit. The pupils are given the chance to make a lego model and then make it move by using our special programmable lego pieces and software.
- ***The Internet.*** Children use the internet in most subjects across the whole school. They learn about search results and computer networks.

Information Technology

- ***Data Handling*** is incorporated into numeracy teaching within each year group. Pupils are supported to collect, analyse, evaluate and present data in a number of ways.
- ***Creative Industries*** is delivered through the arts and music curriculum. Children are given the chance to use software which allows them to design and create music and imagery.
- ***Publishing*** is a unit which we cover across the full curriculum. Children are taught to use Word, search engines, PowerPoint and a range of other programmes to present their work in beautiful ways.

Digital Literacy

- ***Esafety*** is taught in every year group, once every half term. This ensures both children and staff are up to date with important issues regarding social media and the internet.
- ***Blogging*** helps our pupils to develop a sense of responsibility and respect for others when sharing information online.