



INTENT

At Sacred Heart Catholic Voluntary Academy, we want pupils to be masters of technology. We know that our students have a variety of technology experiences already in their daily lives, and technology is everywhere. Therefore, we want to model and educate our pupils on how to use technology positively, responsibly and safely. We want our pupils to be creators not consumers and our broad curriculum encompassing computer science, information technology and digital literacy, reflects this. We want our pupils to understand that there is always a choice with using technology and as a school we utilise technology to model positive use. We recognise that the best prevention for a lot of issues we currently see with technology/social media is through education. Building our knowledge in Computing will allow pupils to effectively demonstrate their learning through creative use of technology.

We recognise that technology can allow pupils to share their learning in creative ways. Our knowledge rich curriculum has to be balanced with the opportunity for pupils to apply their knowledge creatively which will in turn help our pupils become skilful computer scientists and prepare them for future jobs that have yet been created.

We encourage staff to try and embed computing across the whole curriculum to make learning creative and accessible. We want our pupils to be fluent with a range of tools to best express their understanding and hope by the time they leave Sacred Heart, children have the independence and confidence to choose the best tool to fulfil the task and challenge set by teachers.



IMPLEMENTATION

Teachers' own use of Computing in lessons is an essential part of preparing engaging, fast moving, motivating lessons for pupils. The Computing co-ordinator will keep teachers up to date on the latest uses of Computing as a teaching tool; individual teachers then need to implement these tools into their lessons wherever possible. Teachers are expected to follow the outline generated by the Computing coordinator; however, they are encouraged to further adapt them to other subjects as well as to the needs of the class. Within the academic year, children study Computing in blocks, as outlined in the overall curriculum framework overview. The implementation of the curriculum also ensures a balanced coverage of computer science, information technology and digital literacy. The children will have experiences of all three strands in each year group, but the subject knowledge imparted becomes increasingly specific and in depth, with more complex skills being taught, thus ensuring that learning is built upon. For example, children in Key Stage 1 learn what algorithms are, which leads them to the design stage of programming in Key Stage 2, where they design, write and debug programs, explaining the thinking behind their algorithms. Knowledge and skills are mapped across each topic and year group to ensure systematic progression. We have a computing suite, 30 laptops, 7 laptops that can be used for remote learning, class set of iPads for all year groups, and a classroom iPad to ensure that all year groups have the opportunity to use a range of devices and programs for many purposes across the wider curriculum, as well as in discrete computing lessons. The computing curriculum is also enhanced by local link, our secondary school, De Lisle, enabling the children access to higher level Computing sessions with specialist equipment. Employing cross-curricular links motivates pupils and supports them to make connections and remember the steps they have been taught.

Units of work are carefully sequenced so prior knowledge and concepts are built upon to develop digital literacy, an awareness of online safety and a progressive knowledge of computer science. As well as the benefits of ICT, we are also aware of the risks. This is why we prepare our children to stay safe online through the use of termly E-Safety lessons.



IMPACT

At Sacred Heart, we encourage our children to enjoy and value the curriculum we deliver. We will constantly ask the how and the why behind their learning. We want learners to discuss, reflect and appreciate the impact Computing has on their learning, development and wellbeing.

Finding the right balance with technology is key to an effective education and a healthy life-style. We feel the way we implement Computing 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. We promote regular discussions between staff, pupils and parents to best embed and understand this. The way students showcase, share, celebrate and publish their work, will best show the impact of our curriculum. We also look for evidence through reviewing pupil's knowledge and skills digitally through tools like Microsoft Office and Tapestry and regularly observing learning.

Progress of our Computing curriculum is demonstrated through outcomes and the record of coverage in the process of achieving these outcomes.