



Holy Family Catholic Primary School

'Serving the Community'



Computing

Intent

At Holy Family Catholic Primary School, we want to give children a curriculum that promotes a passion and curiosity for learning where 'Only the Best is Good Enough'. It is our vision that each child fulfils their potential, regardless of their background or circumstances, in a safe, stimulating and caring environment. We aim to develop a love of learning inspired by quality teaching, foster high aspirations and encourage positive self esteem.

Our Curriculum is built around the National Curriculum, however, this is enhanced and enriched to reflect the children and community we teach in.

At Holy Family, our Computing education should be fully inclusive to every child. Our aims are to fulfil the requirements of the National Curriculum for Computing; providing a differentiated, **broad and balanced curriculum** ensuring the progressive development of knowledge, skills and vocabulary and for the children to develop a **love of Computing**. We aim to enable our children to find, explore, analyse, exchange and present information and to become confident, creative and **independent learners**.

Technology is constantly developing and changing the lives of us all, it is everywhere and will play an increasingly important role in the lives of all our children. It involves solving complex problems, being able to collaborate with others, learning from makes and refining solutions. Therefore, we aim to provide a curriculum that provides opportunities to build **independence, resilience and perseverance**.

We also aim to ensure that we give all our children the life skills to enable them to use technology positively, responsibly and safely. E Safety is paramount and is at the centre of all we teach as it is a priority to keep our children safe on line and give them the skills to safeguard their own personal data when using websites and apps.

At Holy Family we aim;

- To enable are children to understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation.
- To enable our children to understand how digital systems work and use this to design, write and debug their own programs.
- To prepare our children to participate in the digital world around them and have the capability to use technology safely throughout their lives.
- To enable our children to use technology effectively, having the ability to analyse problems in computational terms, and apply their digital literacy skills in a range of technology-based activities.



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- To ensure the children know how to use technology safely, respectfully and responsibly.

Implementation

At Holy Family, we teach computing each half term. To enable the children to be immersed in **enriching and stimulating activities** being taught, we deliver computing on 'A Computer Day' or days depending upon the content of the topic. The three main areas of computing are; Computer Science, Information Technology and Digital Literacy (which includes E Safety.) At Holy Family, we follow the computing scheme of work designed by Knowsley City Learning Centre to implement our learning intentions.

Our teachers plan lessons in phase teams based around a two year topic cycle. They plan **engaging** Computer lessons for their class using Knowsley City Learning Centre's online scheme of work and support resources, alongside the Progression Documents, which map the progression of skills from EYFS to Year 6. *(All documents and resources for each topic are available to be download by teachers)*

Alongside the lessons taught by the class teachers, computer specialists from Knowsley City Learning Centre spend a day in each class to teach the children one of the topics chosen by the teacher. Progression of both skills and knowledge are taught year on year alongside subject specific language and computational thinking. In order to ensure the children use technology safely, responsibly and respectfully, each year group will access the topic 'My Online Life', which meets the requirements of the UKCIS Education for Connected World Framework.

Assessment of Computing:

Formative assessment is an integral part in every lesson and this informs teachers' planning and ways forward. Teachers will use their professional judgement to determine whether a child is working within age-related expectations, above or below. They will base their judgements on the work produced throughout each topic.

Intended Impact

As a result of the teaching of Computing at Holy Family, we want to see that children leave us equipped with the skills and knowledge that will enable them to be ready for the curriculum at Key Stage 3 and for life as an adult in the wider world. We want the children to have thoroughly enjoyed learning about technology, therefore encouraging them to develop new skills to enable them to undertake new life experiences now and in the future.

We measure the impact of our curriculum through the following methods:



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- Lesson observations and pupil interviews will show that children enjoy their Computing lessons and are confident when talking about what they know and remember
- Children of all abilities will be able to succeed in all Computing lessons because work will be appropriately scaffolded
- Children will have a good understanding of computing vocabulary that they can use confidently.
- Evidence in the form of photographs, videos, learning journals etc will demonstrate that the work children are producing is of a high standard and fulfils the requirements of the National Curriculum
- Evaluation sheets completed by the teacher after each topic will show that the majority of children are working in line with or above age related expectations