



Computing Curriculum Intent

School Mission Statement

We come together as St. Joseph's family

To learn, share our faith and do our best to follow in the footsteps of Jesus.

Whole school Curriculum Intent

Our curriculum is inspired by the words of Oscar Romero, '*Aspire not to have more, but to be more*'. We aim to provide a Catholic Christian education, based on the life and teaching of Jesus Christ, in which the values of the Gospel underpin all aspects of school life. We will provide an environment in which the dignity of each person as a child of God is recognised and developed; and promote the full potential of each child through our curriculum which develops spiritual, academic, social and emotional growth.

In designing our curriculum, we have provided opportunities for our children which are underpinned by three curriculum drivers;

- Communication and Language
- Understanding of the World
- Independence in thought and action

We celebrate a 'knowledge-engaged' approach to learning, ensuring essential aspects of subject knowledge are learnt, alongside life-long learning skills to enable children to become resilient and independent learners for the future.

Subject Intent

At St Joseph's RC Academy we recognise the value that a high quality computing curriculum can offer to our pupils.

All pupils are entitled to develop a wide range of fundamental skills, knowledge and understanding that will equip them for the rest of their life. Computers and technology are such a part of everyday life that our children would be at a disadvantage would they not be exposed to a thorough and robust Computing curriculum. Children must be taught in the art form of 'Computational Thinking' in order to provide them essential knowledge that will enable them to participate effectively and safely in the digital world beyond our gates.

When planning and teaching computing at St Joseph's, we believe it is an essential part of the curriculum; a subject that not only stands alone but is woven and should be an integral part of all learning. Computing, in general, is a significant part of everyone's daily life and children should be at the forefront of new technology, with a thirst for learning of what is out there. Computing within schools can therefore provide a wealth of learning opportunities and transferable skills explicitly within the computing lesson and across other curriculum subjects. To support the delivery of the computing curriculum, we use a Kapow scheme of work, which ensures pupils not only cover the essential skills but carefully build on their existing knowledge and proficiency year on year.

Our computing curriculum aims to ensure that children at St Joseph's will be digitally literate and able to join the rest of the world on its digital platform. They will be equipped, not only with the skills and knowledge to use technology effectively and for their own benefit, but more importantly – safely. They will learn to have an understanding of their online identity, online relationships, manage their own information, be aware of cyberbullying and their online reputation and learn about security and privacy. The biggest impact we want on our children is that they understand the consequences of using the internet and that they are also aware of how to keep themselves safe online.

As children become more confident in their abilities in computing, they will become more independent and key life skills such as problem-solving, logical thinking and self-evaluation become second nature; developing a resilient attitude and a sense of responsibility in a digital and connected world.

National Curriculum Aims for Computing

The national curriculum for computing aims to ensure that all pupils:

- can understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation
- can analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems
- can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems
- are responsible, competent, confident and creative users of information and communication technology.