



## OUR LADY AND ST BENEDICT CATHOLIC ACADEMY

### COMPUTING STATEMENT

Our Mission Statement:

‘Loving, Learning and Looking forward with Christ.’

**Curriculum Leader: Mrs S Hepworth**

Following the example of Our Lady and St. Benedict we are rooted to Christ in all that we say, do and think. Within our safe Catholic family we love, learn and ensure children are ready for their next step in society with Christ as their purpose.

#### **Intent**

Our computing curriculum aims to equip children to use computational thinking and creativity, to understand and change the world. We intend to motivate and inspire children through lessons that engage and challenge all learners.

We use a scheme called ‘Purple Mash’, which provides a structured computing curriculum based on the Computing National Curriculum and encompasses the 3 strands of Digital literacy, Information Technology and Computer science.

Each strand is progressively built upon and is complemented by learning opportunities. Objectives for each unit are clearly laid out and staff may choose alternative resources to deliver content.

Please click here for the overview: <https://www.ourladyandstbenedict.co.uk/computing/>

#### **Implementation**

In computing, we implement an inclusive curriculum that meets the requirements of the National Curriculum. Our curriculum is well-planned and provides cross-curricular opportunities.

The computing curriculum has three strands: Computer Science, Digital Literacy and Information Technology, and children develop their knowledge and skills in these areas. They are taught the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation.

Children analyse problems in computational terms and have practical experience of writing computer programs in order to solve problems. They evaluate and apply Information Technology, including new

or unfamiliar technologies. By instilling creativity and enthusiasm in our children, learning can be extended by accessing a range of software at home.

Children have dedicated computing lessons for 1 hour per week and they are taught computing skills across other curriculum areas. Enrichment opportunities, including inspirational visitors and working within the community, provide our children with rich experiences and enhance teaching, learning and knowledge.

Our computing curriculum promotes children's Spiritual, Moral, Social and Cultural development, ensuring that they are reflective and responsible citizens. Fundamental British Values are actively promoted in computing lessons in order to prepare the children for life in Modern Britain.

## **Impact**

Our computing curriculum enables children to become both users and creators. Across all phases of the school, children understand algorithms and programming and how this all fits into our digital world.

We pride ourselves on using and implementing new and innovative technologies to prepare children for the ever-changing digital world we live in, whilst embedding the safe, respectful and responsible use of technology, recognising both acceptable and unacceptable online behaviour and identifying a range of ways to report concerns about content or contact.

Children are responsible, competent, confident and creative users of information and communication technology.