

Computing Policy



OVERVIEW

This Policy is set within the context of the School Mission Statement:

“ I come that they may have life and have life to the full”

John 10:10

At Holy Rosary, we recognise how work and leisure activities are increasingly transformed by technology. Therefore, we want to give children a high-quality computing education, so that they are well equipped to face the ever-changing world. We believe that high-quality computing provision is important to enable to children to be confident and independent learners, and provide children with a board and balanced curriculum.

This policy is a statement of the aims, principles and strategies for implementing Computing throughout the whole of Holy Rosary School. Through this we will nurture children’s spiritual, moral and social development within our Catholic ethos. The policy will be reviewed in line with the priorities set in the school development plan.

OBJECTIVES

1. To ensure that children can be creative users of technology and create computer programmes and use the to solve problems.
2. To understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation
3. To ensure that children become digitally literate – able to use, and express themselves and develop their ideas through, information and communication technology – at a level suitable for the future workplace and as active participants in a digital world.
4. To Know how to use computer systems to store, retrieve and send information.
5. To use technology safely and respectfully and identify a range of ways in which they can report any concerns they have, in relation to content and contact.

STRATEGIES

1. Children will be taught to understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions.
2. In Key Stage 1, children are taught to create and debug simple programs; design, write and debug programs that accomplish specific goals (including controlling or simulating physical systems) and solve problems by decomposing them into smaller parts.
3. In Key Stage 2, children will be taught how to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.
4. Children will learn how to use technology purposefully to create, organise, store, manipulate and retrieve digital content.
5. Children will be taught how to recognise common uses of information technology beyond school; to understand computer networks including the internet; how they can provide multiple services (such as the world wide web) and the opportunities they offer for communication and collaboration.
6. They will be taught how to use search technologies effectively; to appreciate how results are selected and ranked and to be discerning in evaluating digital content.
7. They will learn how to select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.

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OUTCOMES

By the end of each key stage, children are expected to know, apply and understand the matters, skills and processes specified in the Computing programme of study. Children will know how to use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies. Children will recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.

Holy Rosary Governing Body will determine, support, monitor and review the school policies on Computing. In particular, they will monitor the effectiveness of the school's policy through the school self-review processes and assess its impact.

DATA PROTECTION STATEMENT

The procedures and practice created by this policy have been reviewed in the light of our Data Protection Policy. All data will be handled in accordance with the school's Data Protection Policy.

As such, our assessment is that this policy:

Has Few / No Data Compliance Requirements	Has A Moderate Level of Data Compliance Requirements	Has a High Level of Data Compliance Requirements
✓		

Data Audit For This Policy					
What?	Probable Content	Why?	Who?	Where?	When?
Registration Admission Staff records	Name D.O.B. Telephone Details	Details for contacting parents and staff to indicate staff closure	SLT and Administration staff	Recorded electronically on SIMS and school App	Held on file throughout the child's time at the school. Computer retains copy of records in 'archive'.

Revised and adopted by the Governing Body on: 30th November 2022

Signed: *P.Devine*

Date to be reviewed: 30th November 2024