



Much Woolton Catholic Primary School

'With Jesus we Love, Learn and Grow'

School Policy for Computing

Approved by the Governing body in October 2023

Signed _____ Chair of Governors

Signed _____ Head teacher

To be reviewed and revised in October 2025

MISSION STATEMENT

With Jesus we Love, Learn and Grow

To do this we will:

- Be a Christian community that follows Jesus in living out Gospel values. (Christ centred)
- Provide opportunities for all to grow and achieve their full potential, by igniting a desire for lifelong learning. (Education)
- Be a beacon of light that shines out to others, sharing faith, hope and love. (Community)

Objectives:

(Christ Centred)

- Provide quality collective worship and enriching liturgical celebrations.
- Enable our children to acquire an excellent religious education, through a well taught and resourced Come and See programme.
- Encourage all to develop their understanding of and relationship with God, while at the same time respecting that others choose to express their faith in different ways.
- Be positive role models, who treat each other with respect and are willing to forgive and be forgiven.

(Education)

- Provide a stimulating curriculum, which is fun, challenging and relevant to the needs of our children.
- Value all our pupils and staff, appreciating their uniqueness and individual talents, enabling them to develop these to the full.
- Have high expectations of ourselves and each other, in all that we do.
- Ensure that all children reach their full potential through effective planning, assessment and evaluation, which will inform their next steps.

(Community)

- Create a positive atmosphere where all feel valued and are welcomed into our school community.
- Develop positive links between the school and parish community.
- Learn about and appreciate other faiths and cultures.
- Use our talents as responsible citizens to enrich the lives of others in our local and the global community.

Computing is a sacred subject

Computer science opens up for the learners the possibility of being key influencers and transformational leaders at a local, national and global *level*.

The development of computational thinking and operational skills calls for the formation of learners who prioritise the importance of justice, equality, truth and the common good of all people at a global level.

Intent

Why do we teach computing?

At Much Woolton Catholic Primary School, we recognise the importance of computing as an essential skill in the 21st century. We teach computing to equip our pupils with the knowledge and skills they need to thrive in a digital world. Computing provides opportunities for creativity, problem-solving, and critical thinking, which are vital for their future success.

What impact do we expect computing to have on children's lives and careers?

We expect that a strong foundation in computing will empower our pupils to excel in their future careers. We aim to prepare them for a world where digital technology plays a fundamental role in almost every profession. By fostering computational thinking and digital literacy, we enable our pupils to adapt to new technologies and take advantage of emerging career opportunities.

Does our computing curriculum enhance learning across other subjects?

Our computing curriculum is designed to complement and enhance learning in other subjects. It promotes cross-curricular connections by encouraging pupils to apply their computing skills in various contexts, fostering a deeper understanding of subjects such as mathematics, science, and design and technology.

How will children be taught to use technology with care and respect for others?

We are committed to instilling responsible and ethical technology use in our pupils. Through our computing curriculum, we teach them about digital citizenship, online safety, and the importance of respecting others' privacy and digital property. We aim to create responsible digital citizens who contribute positively to online communities.

What difference will the teaching of computing make to the children?

Our computing curriculum aims to inspire curiosity and a passion for technology in our pupils. It will equip them with the skills and knowledge necessary to navigate the digital landscape confidently. Furthermore, it will empower them to become creators, problem solvers, and innovators, fostering their personal and academic growth.

Does your computing curriculum provide children with the building blocks of the skills and knowledge they need to experience success and make progress?

Our computing curriculum, based on the Kapow Primary scheme of work, is designed to provide pupils with a strong foundation in computing concepts, coding, and digital literacy. It offers a structured progression of skills and knowledge, ensuring that children have the necessary building blocks to succeed and make progress throughout their primary school journey.

Implementation – how is the curriculum implemented?

How can you show that you've designed or chosen your computing curriculum to ensure that your pupils will achieve what you want them to?

Our choice of the Kapow Primary scheme of work is aligned with the National Curriculum and best practices in computing education. We have carefully reviewed and selected resources and materials that are engaging, age-appropriate, and effective in achieving our curriculum aims.

Will computing be taught discretely, or in a cross-curricular way?

Computing will be taught both discretely and in a cross-curricular manner. While there will be dedicated computing lessons to cover specific skills and concepts, teachers will also integrate computing into other subjects, providing real-world applications for the skills learned.

Will there be a timetabled computing lesson for each class each week?

Computing will be taught in three blocks of lessons, one block each term, with every year group starting with a block of teaching covering e-safety because of its importance.

Do you have suitable resources (both human and physical) to achieve what you want?

We have a range of resources available, including 75 iPads and 30 laptops, to support the delivery of our computing curriculum. Additionally, our teaching staff have access to training and professional development opportunities to enhance their subject knowledge.

Do you have methods of storing children's computing work?

We will maintain digital portfolios and appropriate file storage systems to securely store children's computing work, ensuring that it is easily accessible for assessment and review.

How will you ensure your staff have the right level of subject knowledge to teach Computing with confidence?

Our staff will receive regular training and support to build and maintain their subject knowledge in computing. We will encourage collaboration and sharing of best practices among teachers to ensure they can teach computing with confidence.

Impact – what progress will children make?

How will you assess children's progress in computing and record progress?

We will assess children's progress in computing through a combination of formative and summative assessments. We will use teacher observations, pupil work, and project outcomes to evaluate their knowledge and skills. Progress will be recorded and tracked using our school's assessment and reporting systems.

How will you access children's work?

Children's work will be accessible through digital portfolios and shared folders. This allows teachers and parents to review and monitor their progress regularly.

Do children know why they are doing things, not just how?

Our curriculum emphasises not only the "how" but also the "why" of computing. We aim to develop a deep understanding of concepts, enabling pupils to apply their skills in various contexts and make informed decisions about technology use.

Do children understand and appreciate the value of computing in terms of personal wellbeing and the creative and technological industries, as well as career opportunities?

Our curriculum encourages pupils to explore the personal, creative, and career opportunities that computing offers. We want them to see computing as a tool for personal growth, creative expression, and future career prospects.

Do children know clearly how to use technology responsibly and with care for others and themselves?

We prioritise teaching responsible technology use. Pupils will understand the importance of online safety, digital ethics, and respectful behaviour in the digital world.

Can you show evidence in terms of: Looking at pupils' work, especially over time as they gain skills and knowledge; Observing how children perform in lessons; Talking to them about what they know? Progress will be shown through outcomes and through the important record of the process leading to them. Can you demonstrate this?

We will regularly review pupils' work over time to track their skills and knowledge development. Teachers will observe pupils' performance in lessons, providing feedback and support as needed. Additionally, we will engage in discussions with pupils to gauge their understanding and experiences in computing. All of these assessments will be documented and form the basis for evaluating progress and demonstrating the impact of our computing curriculum.

This policy will be reviewed annually to ensure it remains aligned with our school's mission and the evolving needs of our pupils in the field of computing education.

