St Anne's and St Joseph's RC Primary School

Computing
2023

Our Mission is to "Let Love Dwell Here"

Our curriculum is designed to have faith and love at its heart, with children developing a sense of belonging to both our Parish and local community as they journey through school. It is designed to value each child, allowing them to develop their God given gifts. Our curriculum will encourage the highest aspirations for all members of our school family, helping pupils to become independent learners who have the resilience to persevere, confidence to rise to all challenges and have empathy for all around them.

Head Teacher: Mrs Sinead Colbeck
English Lead: Mrs Jennifer Jude
Assessment Governor: TBC

Approved by: **Date:** *November 2023*

Last reviewed on: *October 2023*

Next review due by: *October 2024*

1. Introduction

"Let Love Dwell Here." At St. Anne's & St. Joseph's we believe that the Computing curriculum equips all pupils with the necessary skills, knowledge, and understanding to succeed in the digital age. This policy is used to help children achieve their God given talents and, with support from staff, achieve their full potential.

2. Intent

For all children to have:

- Access to a well-rounded and rigorous computing curriculum that equips them with the necessary knowledge and skills to thrive in a digital world.

- Opportunities to develop their computational thinking, problem-solving abilities, creativity, and digital literacy, while fostering a love and appreciation for technology.

- Experiences that ensure that they become responsible and confident users of technology, empowering them to engage safely and positively in a rapidly evolving digital society.

3. Implementation

Statutory Requirement and Curriculum Entitlement

The structure of Computing teaching at St. Anne's and St. Joseph's is based upon the English National Curriculum (2014) and the Early Years Framework (2023) statutory requirements and covers all the expected objectives and therefore ensures that children have access to a broad and balanced Computing curriculum.

Across the whole school we implement our teaching of Computing via:

Progression: a clear progression of skills and knowledge, building upon prior learning and ensuring a seamless transition from one year group to the next.

Embedding in the curriculum: it is intended to be integrated within the existing primary curriculum. Teachers are encouraged to identify cross-curricular opportunities to incorporate computing concepts and skills.

Computational thinking: emphasis is placed on developing computational thinking skills, including problem-solving, logical reasoning, and algorithmic thinking. These skills are essential in fostering creativity, critical thinking, and digital literacy.

Programming: the curriculum introduces the fundamentals of programming, including algorithm design and coding. As students progress, they are encouraged to create, debug, and modify their own programs using appropriate tools and software. They are also expected to understand the importance of computational precision and debugging techniques.

Digital literacy and safety: centralises the importance of digital literacy and responsible use of technology. Pupils learn about online safety, cyberbullying, and the ethical implications of digital technologies. They are taught how to protect their personal information and how to use technology in a respectful and ethical manner. This is clearly linked to our Online-Safety curriculum that bridges Computing and Personal Development.

Creativity and innovation: we encourage students to explore their creativity and develop innovative solutions using technology. They are given opportunities to design, create, and evaluate digital products, fostering skills in areas such as multimedia, coding, and game design.

Vocabulary: Providing a progressive, systematic building of vocabulary and concepts linking learning over time to enable the secure building of knowledge, skills and understanding.

Assessment: we use a range of assessment strategies, including teacher observation, formative assessment, and pupil self-assessment. Each unit of work ends with a knowledge capture task'

Teaching and Learning Approaches

To deliver outstanding education in Computing, we employ a range of teaching and learning methods, which include:

- Whole-class teaching, where teachers introduce new concepts and skills.
- Practical activities and hands-on experiences, allowing students to apply their knowledge.
- Collaborative projects, encouraging teamwork and problem-solving.
- Use of online resources (e.g Teach Computing, ProjectEvolve, Scratch etc), educational software, and digital tools to enhance learning opportunities.
- Feedback and monitoring is inline with our *Feedback & Marking Policy 2023*.
- Assessment in Computing is carried out through a combination of formative and summative methods, including teacher observations, classwork, practical projects, and knowledge capture tasks.

SEND

In line with our SEND policy:

Children who are identified as having SEND may have specific needs and therefore adaptive and targeted support will be outlined in short-term planning. This may also be reviewed through the child's EHCP and/ or Pupil Progress Meetings where elements of adaptation may be recommended by external agencies.

It is also important to recognise that children identified as having SEND may not always be the least able in Computing and could excel in the subject. Pupils' attainment will be assessed in a subject-specific manner and based on their strengths rather than barriers.

Professional Development

To ensure outstanding teaching of Computing, our school provides ongoing professional development opportunities for our staff. This includes training sessions, workshops, and access to relevant courses and resources. We encourage our staff to engage in continuous learning and stay updated with the latest developments in Computing education.

Parent and Community Engagement

We believe that effective collaboration between school, parents, and the wider community is essential in supporting pupils' progress in Computing. We encourage parental involvement through:

- Regular communication, including newsletters and parent-teacher meetings, to update parents on their child's progress and offer support.
- Parent workshops and information sessions to share strategies for successfully navigating Online Safety.

4. Monitoring

Monitoring.

Monitoring is led by the subject lead and will take a variety of forms including (but not limited to) pupil voice gathering, book looks, learning walks, lesson visits, staff voice, writing moderation and data analysis.

5. Impact

Our Computing curriculum seeks to have a significant and lasting impact on our pupils. Through our intent and its implementation, we aim to achieve the following outcomes:

- Pupils will acquire a strong foundation in computer science, information technology, and digital literacy, achieving age-related expectations.
- Pupils will develop transferable skills in computational thinking, problem-solving, and logical reasoning, enabling them to apply these skills across different subjects and real-life situations.
- Pupils will become confident and responsible users of technology, with a deep understanding of e-safety, digital etiquette, and the ethical implications of their actions online.
- Pupils will have access to a wide range of digital tools and technologies, allowing them to flourish in a digital world and prepare them for their future careers.
- Pupils will have a positive mindset towards computing, nurturing their curiosity, creativity, and enjoyment of the subject.
- Pupils from all backgrounds and abilities will be inspired and engaged, with any gaps in knowledge and skills identified and effectively addressed.

Through regular assessment, feedback, and meaningful evaluation, we continuously strive to refine and improve our computing provision. We work collaboratively with staff, pupils, parents, and the wider community to achieve the best possible outcomes for our pupils, empowering them to thrive in the digital age.

Conclusion

At St. Anne's and St. Joseph's our intent, implementation, and impact statements align with the outstanding practices highlighted by Ofsted. We continuously evaluate and review our curriculum to ensure that it remains effective and responsive to the needs of our pupils. By following this policy, we aim to equip our students with the necessary skills to thrive in a digital world, while promoting safe and responsible use of technology. Our commitment to achieving excellence in Computing is underpinned by a dedicated team of staff who are passionate about fostering an inspiring and supportive learning environment.

Linked Documents.

EYFS Policy

EYFS Curriculum Overview

Curriculum Policy

Computing Curriculum Overview

Feedback and Marking Policy

SEND Policy