

# St. Peter's R.C. Primary School



Growing Together in Christ.

"We are a Catholic School. Our special purpose is to live, learn and work together in the presence of Christ."

## Computing Policy

### Intent

Technology is changing in the lives of everybody. Through teaching computing we:

- equip our children to participate in a rapidly changing world where work and leisure activities are increasingly transformed by technology
- enable children to find, explore, analyse, exchange and present information.
- enable children to develop the skills necessary to be able to use information in an effective way.

At St Peter's RC Primary School, we understand the immense value that technology plays not only in supporting the Computing and whole school curriculum but overall in the day-to-day life of our school. Our aims are to fulfil the requirements of the National Curriculum for Computing whilst also providing enhanced collaborative learning opportunities, engagement in rich content and supporting pupil's conceptual understanding of new concepts which supports the needs of all our pupils.

Technology is ever evolving and we aim to develop pupils who:

- Are responsible, competent and creative users of information and communication technology.
- Know how to keep themselves safe whilst using technology and on the internet and be able to minimise risks to themselves and others.
- Become responsible, respectful and competent users of data, information and communication technology.
- Can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems.
- Can analyse problems in computational terms, and have repeated practical experience writing computer programs in order to solve such problems.
- Can understand and apply the fundamental principles and concepts of computer science including abstraction, logical, algorithms and data representation.
- Become digitally literate and are active participants in a digital world.
- Are equipped with the capability to use technology throughout their lives .
- Understand the importance governance and legislation regarding how information is used, stored, created, retrieved, shared and manipulated.
- Have a 'can do' attitude when engaging with technology and its associated resources.
- Utilise computational thinking beyond Computing curriculum.
- Understand and follow online safety rules.
- Understand the online safety messages can keep them safe online.
- Know who to contact if they have concerns.

- Apply their learning in a range of contents eg at home and at school.

### Implementation

To ensure high standards of teaching and learning in computing, we implement a curriculum that is progressive throughout the whole school. At St Peter's implementation of the computing curriculum is in line with 2014 Primary National Curriculum requirements for KS1 and KS2 and the Foundation Stage curriculum. This provides a broad framework and outlines the knowledge and skills taught in each key stage.

Teachers and HLTA's plan using our knowledge overviews which highlight knowledge, skills and vocabulary for each year group and is progressive from year to year. Our overviews are supplemented by the Purple Mash scheme of work which we follow from years 1-6 ensuring consistency and progression throughout school.

We recognise that computing is specialist subject and not all teachers/HLTA's are computing specialists. The Purple Mash scheme of work enables clear coverage of the computing curriculum whilst providing support and CPD for less confident teachers to deliver lessons.

At St Peter's, computing lessons are broken down into units with approximately two units being taught per term. Units are practical and engaging and allow computing lessons to be hands on. Units cover a broad range of computing components such as: coding, spread sheets, Internet and Email, Databases, Communication networks, touch-typing , animation and on-line safely

Computing teaching at St. Peter's is practical and engaging and a variety of teaching approaches and activities are provided based on teacher judgment and pupil ability. We have a range of resources to support our computing teaching including but not limited to, iPads, laptops, bee-bots and cameras.

At St Peter's Primary School, we provide a variety of opportunities for computing learning inside and outside the classroom and encourage parent partnership with the Computing curriculum outside of school.

### Impact

Assessment of progress will be on-going by the class teacher throughout the year and will be completed through observations and work which is saved in online folders. Children will be assessed at below standard and meeting standard through 5 key questions that the children answer based around the key skills taught in the unit.

Medium term plans and examples of work will be collected and evaluated by the subject leader, each term, to ensure standards are being maintained throughout the year

*Policy updated by J Catterall  
October'23*

