# St. Peter's Church of England Primary School
# COMPUTING CURRICULUM STATEMENT

## Introduction

At St. Peter's, Computing forms part of our enchanting curriculum and benefits from subject-specific teaching throughout key stage 1 and key stage 2.

We aim to help our learners thrive and adapt in an ever-changing technological world.  We strive to equip children with the understanding, skills and knowledge to be prepared to take on the jobs of the future. Knowledge and understanding of ICT is of increasing importance for our learners' futures. Our Computing curriculum focuses on a progression of skills in digital literacy, computer science, information technology and online safety to ensure that our learners become confident and competent digital citizens.  These strands are revisited repeatedly through a range of themes during each year to ensure the learning is embedded and skills are successfully developed. Our intention is that Computing also supports children's creativity and cross curricular learning to engage children and enrich their learning journey at St. Peter's.

## Curriculum Vision

**"If we teach today as we taught yesterday, we rob our children of tomorrow." John Dewey** *philosopher, psychologist, and educational reformer.*

Computing is an integral part of our everyday life and will play an immeasurable part in our learners' futures.  At St. Peter's, we will provide all of our children with the skills, creativity and enthusiasm to live and thrive in a world increasingly dependent on computing. As computing technology underpins today's modern lifestyle it is essential that all our learners gain the confidence and ability that they need in this subject, to prepare them for the challenge of a rapidly developing and changing technological world.  Our computing curriculum opens doors to a deeper understanding of this world around us.

At St. Peter's, we believe that it is imperative that all of our learners are aware of the benefits and risks of the internet and how to safeguard themselves in this area. As a result, e-safety is a vital life skill which is embedded into our computing curriculum. Learners are aware of what personal information should be kept private and confidential, and understand how to report negative behaviour online, creating a positive and safe digital space for all to learn and strive.

A high-quality computing education equips learners to use computational thinking and creativity to understand and change the world. Computing is incorporated throughout all areas of the curriculum ensuring that our children become digitally literate and are able to develop their ideas in a way that will enable them to become successful digital citizens in primary school, secondary school and in their future workplace.

## Provision, Planning and Delivery

### Our Provision
We enact our vision for Computing through:
- Provide an exciting, rich, relevant and challenging Computing curriculum for all pupils.
- Teach pupils to become responsible, respectful and competent users of data, information and communication technology.
- Enthuse and equip children with the capability to use technology throughout their lives.
- Teach pupils to understand the importance of governance and legislation regarding how information is used, stored, created, retrieved, shared and manipulated.
- Utilise computational thinking beyond the Computing curriculum.

- Give children access to a variety of high quality hardware, software and unplugged resources.
- Equip pupils with skills, strategies and knowledge that will enable them to reap the benefits of the online world, whilst being able to minimise risk to themselves or others.
- Instil critical thinking, reflective learning and a 'can do' attitude for all our pupils, particularly when engaging with technology and its associated resources.
- Use technology imaginatively and creatively to inspire and engage all pupils.

### Planning

Our whole curriculum is shaped by our school vision which aims to enable all children, regardless of background, ability or additional needs, to flourish to become the very best version of themselves they can possibly be. We teach the National Curriculum, supported by a clear skills and knowledge progression. This ensures that skills and knowledge are built on year by year and sequenced appropriately to maximise learning for all children. To ensure a broad range of skills and understanding, Computing is taught across six units per year through three main strands: digital literacy, computer science and information technology.

### Delivery

The Computing curriculum in Key Stage 1 and 2 is delivered every term during discrete Computing lessons, with a minimum of 12 hours per term dedicated to study in this specific curriculum area.

## Progression

To ensure progression in Computing, our curriculum is organised to progressively deepen learners understanding of the **keys** to Computing: Computer Science, Information Technology and Digital Literacy.

Through each of the contexts studied in depth, the keys to Computing are embedded and taught at an appropriate complexity. See Computing Key Progression (below) for more information.

## Assessment, Recording and Reporting

### Assessment

Teachers assess children's knowledge, understanding and skills in Computing by making observations within lessons and by reviewing completed tasks at the end of each lesson. Outcomes from this assessment are then used to formatively re-shape the learning journey for individuals and whole classes as necessary. From this ongoing assessment, teachers make decisions to re-teach, consolidate or extend learning in the subsequent session.

### Recording

Learning in Computing can be recorded via tasks completed and saved within Purple Mash or a learner's personal space on the school network. Learning episodes are captured in a way which best meets the learning objective. Some of the evidence may include child-produced work, whereas other evidence may include photographs or teacher notes from discussions.

### Reporting

Children's achievements in Computing are formally shared with parents and carers annually, as part of their end of year report and informally through termly open door events and parent consultation appointments.

## Policy into Practice

The following serves as a list of supporting documents and resources, which support the implementation of this policy into practice:
- Computing Long Term Plan
- Computing Key Progression