



## St. Berteline's Church of England Primary School

### Computing Curriculum Statement

#### Intent

At St. Berteline's, we aim to equip students with a uniquely powerful set of tools to interact successfully with an increasingly computer dominated world. We provide our pupils with the skills to participate effectively and safely in the digital world, both in school and at home and celebrate the positive effects that social media can have. We understand that technology can cause negative issues both in and outside of the classroom and believe that the one of the best tools we have is to educate our pupils that there are choices online. We also firmly believe in the importance of delivering a high-quality E-Safety curriculum, alongside the core values of the 3 Computing stands (Computer Science, Information Technology and Digital Literacy). E-safety is embedded throughout the Computing curriculum and supports and consolidates the strong presence of E-safety in other areas of school life, such as through assemblies and PSHE lessons. As technology develops, so does the need for a better understanding of how to use it in a responsible manner. The education of E-safety is therefore essential to ensure children are equipped with the skills to recognise risks online, to be critically aware of the materials and content they access online, along with guidance on how to accurately validate information accessed via the internet.

To ensure our computing curriculum is broad and enriching for our pupils, we follow the iLearn2 curriculum. The intent of the iLearn2 computing scheme of work is to help pupils become independent, creative, safe, respectful and problem-solving digital citizens with broad and transferable skills. iLearn2 makes computing fun for pupils, inspiring them to develop skills beyond the classroom and building an awareness of all the opportunities the subject provides. Throughout all units skills are repeatedly revisited to ensure that our pupils leave with a secure understanding of all elements of the curriculum.

We have arranged the units into a two-year rolling programme to fit with our mixed age classes. The units have been arranged to allow for each class to cover the whole curriculum objectives and deepen their understanding through consolidation.

#### Implementation

At St. Berteline's, we believe that clear and effective progression planning is needed to break down the National Curriculum coverage into small progressive steps to meet

the requirements of the children in each year group. This enables them to make links to previous learning and quickly build upon it. We also believe strongly that this begins with pupils in EYFS through their curiosity before they enter KS1 and needing to have the opportunity to develop their curiosity about technology and how and why things work.

Through the iLearn2 units of work, we cover the following areas of the computing curriculum:

### **Information Technology**

Mouse & keyboard skills

Typing

Image editing

Music creation

Learning about computers from the past, present and future.

Digital art

Data handling

Comic creation

Graphic design

Animation

App design

### **Computer Science**

Mouse & keyboard skills

Typing

Image editing

### **Digital Literacy**

E-safety

Inside a computer

Computer networks & the internet

### **Whole school planning**

#### **How is computing taught?**

- weekly throughout KS1 and KS2
- Following the detailed and comprehensive iLearn2 units
- Using the skills progression and 2 year rolling programme to ensure full coverage

- Pupils are assessed throughout each lesson and lessons adapted to ensure objectives are met before moving on

At St. Berteline's we have established the use of iPads throughout KS1 and KS2 which support and enhance learning in not only Computing lessons but across the curriculum. Children in KS1 and KS2 also have access to chromebooks and each child has a Google account which provides them with online cloud storage of their work, as well as access to a range of other valuable apps and resources.

### **Where are there gaps in staff knowledge?**

Due to the fast-moving nature of technology, which cannot be future proofed, it is clear that equipment needs to be relevant and challenging. Teachers may lack confidence in IT skills as a result of changes to technology. The iLearn2 Scheme of Work aims to tackle this as lessons are ready-made with a range of resources. An IT technician is also available in school to help with any IT problems/queries staff may have.

### **Impact**

At St Berteline's we take great pride in the teaching and learning of Computing and continually strive to ensure that every child can become a confident user of technology, by adapting and changing our curriculum and resources to keep up with current technologies.

Every child will:

- have the opportunity to develop skills both independently and collaboratively
- have misconceptions challenged to deepen their understanding
- use their feedback to further develop their understanding
- develop their understanding in each unit and ensure that units are not repetitive by following the school's overview

Computing will be monitored regularly to ensure that pupils are receiving high quality lessons which allow them to make good or better progress. Pupils will be fully supported by staff and challenged to allow them to reach their full potential.