



## TRELWETH PRIMARY SCHOOL COMPUTING POLICY

Date Agreed: Dec '17	Chair of Governors: Mrs K Monk	Headteacher: Mrs L May
Date For Review: Dec '18		

At Treloweth, we know the importance of fostering our children's passion and thirst for technology and so provide them with the skills and learning they need to become confident, capable and responsible users of a wide range of technological equipment.

The use of information and communication technology is an integral part of the national curriculum. Computing also has a positive impact on motivation and focus and ensures a flexible tool to support across all subjects. At Treloweth, we recognise that pupils are entitled to quality hardware and software and a structured and progressive approach to the learning of the skills needed to enable them to use it effectively. The purpose of this policy is to state how the school intends to make this provision.

### Aims:

- Provide a relevant, challenging and enjoyable skills based curriculum for Computing for all pupils.
- To ensure that teachers are confident in delivering the curriculum.
- Meet the requirements of the national curriculum programmes of study for computing.
- Use computing as a tool to enhance learning throughout the curriculum.
- To respond to new developments in technology.
- To equip pupils with the confidence and capability to use computing throughout their later life.
- To enhance learning in other areas of the curriculum using computing.
- To develop the understanding of how to use computing safely and responsibly.

### The National Curriculum:

The national curriculum for computing aims to ensure that all pupils will develop skills in the three aspects of the new computing curriculum: computer science (software designing, developing and problem solving on computers), information technology (using a computer in a variety of mediums) and digital literacy (keeping information safe, communication and staying safe online).

Pupils will learn to:

- Understand and apply the fundamental principles of computer science, including logic, algorithms, data representation, and communication.
- Analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems.
- Evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems.
- Be responsible, competent, confident and creative users of information and communication technology.
- Access the internet's rich resources.
- Present information in new ways which help pupils understand, access and use it more readily.
- Demonstrate a high level of E-safety.

### **Equal opportunities**

Teachers ensure that all pupils have equal access to the full computing curriculum.

### **Cross Curricular Links**

Throughout the whole curriculum, opportunities are planned to teach, extend and promote computing. Teachers seek to take advantage of the technology available. Computing contributes to teaching and learning in all curriculum areas. For example, graphics work links in closely with work in art, and work using databases supports work in maths, while the Internet proves very useful for research in humanities subjects. Computing enables children to present their information and conclusions in the most appropriate way.