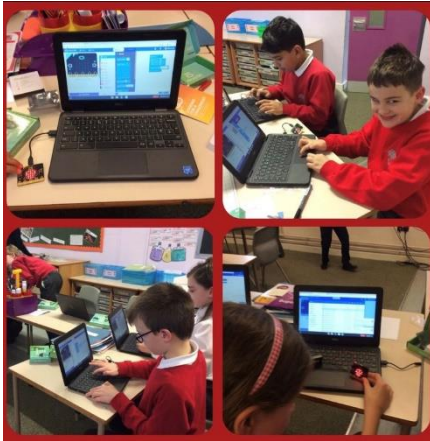




# Computing at Weetwood



*'Computers themselves, and software yet to be developed, will revolutionize the way we learn'*

**Steve Jobs**



## Our Vision

At Weetwood we provide a high quality computing curriculum which equips pupils to use computational thinking and creatively to understand and shape the future. Pupils will apply their skills to best suit their daily lives across a variety of contexts in school and outside of school with a confidence and competence.

Weetwood is committed to providing an innovative curriculum for their pupils, that inspires their minds and stretches their ability. We aim to spark curiosity and encourage our pupils to explore and reflect on their learning.

The core of computing is computer science, in which pupils are taught the principles of information and computation, how digital systems work, and how to put this knowledge to use through programming. Building on this knowledge and understanding, pupils are equipped to use information technology to create programs, create a range of content using digital devices, evaluate the large amount of data the internet provides and learn how to be responsible digital citizens.

## **The Computing Curriculum has three main areas of focus:**

1. **Computer Science** – Pupils are taught the principles of information and computation, how digital systems work and put this knowledge to use through programming.
2. **Information Technology** - Pupils are equipped to use computer science knowledge and understanding to create programs, systems and a range of content.
3. **Digital Literacy** - Pupils are responsible, competent, confident and creative users of information and communication technology.

## Teaching and Learning

At Weetwood we aim for all pupils to:

- To understand and apply fundamental principles and concepts of computer science including logic, algorithms and data representation.
- Analyse problems in computational terms, and have 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.