



**Little Houghton CEVA Primary School**  
**Curriculum Statement for the Teaching and Learning of Computing**

**Our Vision for Little Houghton CE Primary School**

**‘Learning for Life’**

**Through:**

- ❖ **Growth – realising our potential**
  - ❖ **Community – sharing and contributing**
  - ❖ **Spirituality – reflecting and thinking deeply**
  - ❖ **Environment – appreciating local and global environments**
- So that each child can flourish – like a flower of the field (Psalm 103:15)**

Our curriculum vision is reflected in science through the key  
concepts of:

**Connect**

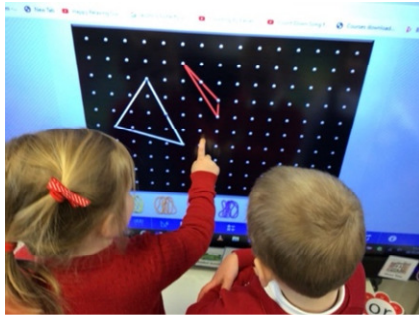
**Communicate**

**Connect** refers to the safe connection with others through technological and virtual network linking. This concept relates to our school vision of **Community** (sharing and building) and **Growth** (developing).

**Communicate** refers to the process of sending information digitally and electronically to others and receiving information back. This concept relates to our school vision of **Environment** (global communications) and **Spirituality** (thinking deeply).

**Intent**

It is our intention to enable children to find, explore, analyse, exchange and present information. We also focus on developing the skills necessary for children to be able to use information in a discriminating, safe and effective way. We want children to know more, remember more and understand more in computing so that they leave primary school computer literate. Computing skills are a major factor in enabling children to be confident, creative and independent learners. It is our intention that children have every opportunity to allow them to achieve this. We intend to build a computing curriculum that develops pupil’s learning and results in the acquisition of knowledge of the world around them, and ensures all pupils can understand and apply the fundamental principles and concepts of computer science, including connection, communication, abstraction, logic, algorithms and data representation. Children will have the opportunity analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems. We intend to build a computing curriculum that prepares pupils to live safely in an increasingly digital British society where pupils can evaluate and apply information technology, including new and unfamiliar technologies, and are able to solve problems analytically.



## **Implementation**

We will ensure that:

- A clear and effective scheme of work that provides coverage in line with the National Curriculum. (The Knowsley Computing Scheme of Work) is delivered. Teaching and learning should facilitate progression across all key stages within the strands of digital literacy, information technology and computer science
- Access to resources which aid in the acquisition of skills and knowledge is enabled
- Children will have access to the hardware (computers, tablets, programmable equipment) and software that they need to develop knowledge and skills of digital systems and their applications
- Teaching and learning can facilitate progression across all key stages within the strands of digital literacy, information technology and computer science. Children will have the opportunity to explore and respond to key issues such as digital communication, cyberbullying, online safety, security, plagiarism and social media.
- Wider Curriculum links and opportunities for the safe use of digital systems are considered in wider curriculum planning
- The importance of online safety is shown through displays within the learning environment.
- Parents are informed when issues relating to online safety arise and further information/support is provided if required
- As well as opportunities underpinned within the scheme of work, children can also spend time further exploring the key issues associated with online safety.

## **Impact**

- Children will be confident users of technology, able to use it to accomplish a wide variety of goals, both at home and in school.
- Children will have a secure and comprehensive knowledge of the implications of technology and digital systems. This is important in a society where technologies and trends are rapidly evolving
- Children will be able to apply the British values of democracy, tolerance, mutual respect, rule of law and liberty when using digital systems.