



## Leftwich Community Primary School

### *Introduction*

*Computers are now part of everyday life and developments in computing are changing the lives of everyone. For most of us, technology is essential to our lives, at home and at work. Through teaching computing we wish to equip children to participate effectively in a rapidly changing technologically-enriched world.*

*In the new curriculum, computing replaces what was formally known as Information and communication Technology and it is concerned with how computers and computer systems work and how they are designed and programmed.*

*At Leftwich Primary, our aims for teaching Computing are to:*

- Provide a relevant, challenging and enjoyable computing curriculum for all pupils.*
- Meet the requirements of the national curriculum programmes of study for computing.*
- Make clear the guidelines about the ethical use of the internet*
- Teach children ways to apply their computing skills to solve problems*
- Allow children to develop skills that enable them to become responsible, competent, confident and creative users of technology.*
- Teach children to appreciate the value of computing in the home and work place and its relevance to society as a whole.*
- Understand the capabilities and limitations of technology and the implications and consequences of its use.*
- Extend and enhance learning in all subject areas of the National Curriculum and beyond.*
- Acknowledge advances in technology and show appreciation for human achievements.*

*The national curriculum for computing aims to ensure that all pupils:*

- Can understand and apply the fundamental principles of computer science, including logic, algorithms, data representation, and communication*
- Can analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems*
- Can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems.*
- Are responsible, competent, confident and creative users of information and communication technology.*

### **Planning**

*At Leftwich we use the Rising Star Science Scheme to support the planning and teaching of Computing. This ensures children are engaged in creative and stimulating lessons that develop their skills and enable them to be prepared for a future where technology will play an ever more significant role.*

### **Assessment**

*Assessment is on-going. Lessons are taught based on the achievement and needs of the children as identified by the previous lesson and level of skill acquired. In addition to teacher assessments, children are also given self-assessment sheets for each unit of work to encourage them to reflect on their own learning.*

### **Resources**

*An audit of resources has been undertaken and purchases made which include a bank of 16 iPads with a suitable charging trolley, a selection of apps and a teaching scheme. In addition, each class had their Interactive whiteboard and projectors serviced and, where necessary, replaced. Every class is provided with basic equipment and resources that meet the needs of the class and there is a central store for more specialised equipment.*

*Available resources include:*

- 16x iPad*
- 28x ASUS netbook*
- 6x iPod Touch*
- Cameras x1 per class*
- Tuff cams*
- Smart Boards and projectors*
- 6x Kindles*

### *Roles and responsibilities*

- *All teaching staff will work together to ensure the implementation of the Computing policy.*
- *All staff will be aware of the e-safety incident log kept in the PPA Area.*
- *The subject leader is responsible for monitoring curriculum coverage and the impact of learning and teaching.*
- *The subject leader is responsible for sharing developments in*
- *Computing with staff members and keeping herself informed through CPD.*
- *The Computing technician is responsible for maintenance of hardware and the network.*

*Policy date: November 2016*

*Review date: March 2018*

*Co-ordinator: Sarah Campbell*