



The Acorn Partnership

Marston Montgomery Primary School

Long Lane C of E Primary School

Modern Foreign Languages Policy

Computing Policy

Introduction

This policy expresses the school's purpose for the teaching and learning of Computing. It sets out the aims; planning of the curriculum and assessment and monitoring at The Acorn Partnership. It was developed through a process of consultation and in consideration of the demands of the New Primary Curriculum 2014.

What is Computing?

“A high-quality computing education equips pupils to use computational thinking and creativity to understand and change the world. Computing has deep links with mathematics, science, and design and technology, and provides insights into both natural and artificial systems. 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, systems and a range of content. Computing also ensures that pupils become digitally literate – able to use, and express themselves and develop their ideas through, information and communication technology – at a level suitable for the future workplace and as active participants in a digital world.” (*National Curriculum 2014*)

Aims of Computing

The national curriculum for languages aims to ensure that all pupils:

- Provide an exciting, rich, relevant and challenging Computing curriculum for all pupils.
- Enthuse and equip children with the capability to use technology throughout their lives.
- Give children access to a variety of high-quality hardware, software and unplugged resources.
- Teach pupils to become responsible, respectful and competent users of data, information and communication technology.
- Teach pupils to understand the importance of governance and legislation regarding how information is used, stored, created, retrieved, shared and manipulated.
- Equip pupils with skills, strategies and knowledge that will enable them to reap the benefits of the online world, whilst being able to minimise risk to themselves or others.
- Provide technology solutions for forging better home and school links.
- Utilise computational thinking beyond the Computing curriculum.
- Exceed the minimum government recommended/statutory guidance for programmes of study for
- Computing and other related legislative guidance (online safety).
- We expect our pupils to:
 - Develop computing skills, knowledge and understanding
 - Develop an understanding of the wider applications of computer systems and communication technology in society
 - Develop independent and logical thinking through reasoning, decision making and problem solving
 - Develop imagination and creativity
 - Work independently and collaboratively

Principles of the Teaching and Learning of Computing

Planning for Computing is implemented using the National Curriculum Programme of Study for

- Computing

- Long term planning demonstrates coverage and progression of the attainment expectations at the end of Key Stage 1 and Key Stage 2.
- Medium term planning takes account of differentiation and progression in Programming, e-safety, Multimedia, Handling Data and Technology in our Lives.
- Exemplification planning by The National Centre for Computing Education has been used to support short term planning.
- Cross-curricular links are identified in our Cornerstones topics each term.
- Key skills in information technology are developed through Multimedia and Handling Data threads and are integrated into learning in other curriculum areas.
- E-safety is developed during computing and through PSHE.
- Opportunities for technology as a tool to support learning and teaching in all areas are identified in curriculum planning.

Online safety:

- A progressive online safety curriculum ensures that all pupils are able to develop skills to keep them safe online.
- Opportunities for learning about online safety are part of PSHE and reinforced whenever technology is used.
- Clear rules for online safety are agreed by each class at the beginning of every year. Parents and pupils sign an acceptable user policy together when a pupil first starts at the school. The class rules are then signed annually by pupils and shared with parents.
- The National Centre for Computing Education scheme is used to ensure progression and coverage.