**Computing policy**

**Purpose and Aims**

Page 178 of the National Curriculum 2014 sets out the ‘Purpose of study’ and the following aims relating to Computing:

Purpose of study: 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. Buildings 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.

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

* can understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation
* 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.

Throughout the teaching of Computing we also endeavour to meet the aims of the school (set out in the school brochure)

**Subject content , organisation and planning**

* The National Curriculum 2014 sets out the core content to be delivers through the teaching of Computing. However, as explained in section 2 of the National Curriculum, this forms just one part of the wider School curriculum. Individual schools are “fee to include other subjects or topics of their choice in panning and designing their programme of education”.
* Pendragon Primary School’s Long term curriculum plan for Computing gives an overview of Computing coverage from Years 1 to Year 6. Teachers use this as a base for medium and short term planning.
* See Early years policy………………………..for the skills taught in Foundation Stage.
* We endeavour to ensure learning in Computing is an engaging, creative and meaningful experience for all children. Links are made between subjects and enrichment activities, such as trips, visitors, special days and weeks are regularly planned.
* Computing lessons are taught weekly or as blocked units of work relating to a particular topic.

**Equal opportunities and Inclusion**

See Pendragon Primary’ s Equality statement in our school brochure

**Assessment, Record keeping and reporting**

* See Pendragon Primary’ assessment policy

**Monitoring and evaluation**

* The Computing Subject leader under supervision of the Governors , Headteacher and leadership team is responsible for ongoing monitoring and evaluation in order to ensure high standards and improved outcomes across the subject.
* A subject action plan is shred and reviews annually.