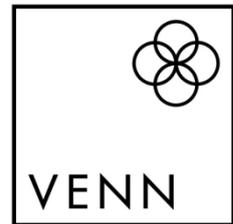


Mountbatten Primary School

Computing Policy

Reviewed By	Approved By	Date of Approval	Version Approved
Mel Legg	Governing Body	27.2.20	



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

In the curriculum we will equip all learners with the experiences and skills of computing that they will use in a rapidly changing technological world. Learners in our environment will be confident and independent in their use of computers and technology to solve problems across the curriculum.

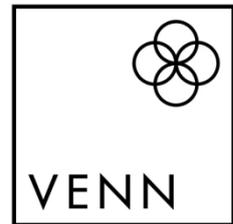
We will provide a high quality, rich and practical computing curriculum, developed by our Computing subject leader. This will ensure continuity and progression in the acquisition of subject knowledge and skills. Teachers will use the agreed long-term and medium-term plans as the basis for their day to day planning. Ongoing teacher assessments will be carried out using the National Curriculum and the tailor-made scheme of work.

All children are entitled to the opportunity to develop computing capability through activities that arise in all curriculum areas, although some computing skills will be taught discretely.

Computing is a vital life skill and children will be taught how computing has developed and how the skills learned within their computing lessons will develop their learning and experience in the future.

Objectives

- Become competent in coding for a variety of purposes.
- Connect with others safely and respectfully.
- Develop an understanding of the connected nature of devices.
- Communicate ideas by using applications and devices.
- Collect, organise and manipulate data effectively.



Whole School Curriculum Intent

At Mountbatten Primary School we carefully design, plan and implement an ambitious curriculum to provide breadth, depth and balance for every pupil.

Our balanced approach to the curriculum is not at the expense of high standards in core subject areas and ensures that all pupils access the full curriculum. High standards and enabling all pupils to reach their potential is of vital importance if they are to succeed at the next stage of their education, and to go on to achieve in their chosen career path.

Through careful sequencing of the curriculum, we build in many opportunities to build on prior learning of knowledge, skills, vocabulary and understanding in every subject. This ensures that pupils are able to make links between prior learning and new learning; and gradually develop a deeper understanding of the skills and processes within subject, at their own pace and in the best way possible for each individual child.

Our full and rich curriculum, with its excellent range of experiences, ensures that every pupil at Mountbatten Primary School makes excellent progress academically and personally, while ensuring that every child is given the opportunity to shine and flourish.

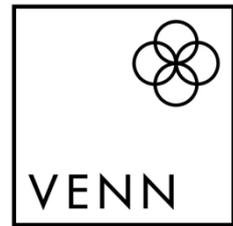
Subject Curriculum Intent

- The Computing curriculum is designed to equip pupils with the IT skills to be live in the 21st Century
- Develop problem solving skills which can be applied to other areas of the curriculum and life beyond school
- Educate pupils to ensure they are keeping themselves safe when online
- Develop word processing skills to support pupils in their lives beyond primary school (e.g. secondary school and the world of work)
- Enhance communication skills online and offline
- Educate pupils in a range of career paths involving computing skills

Subject Curriculum Implementation

The implantation of the Design and Technology curriculum is through a number of elements, outlined below:

- LTP
- MTP
- Curriculum knowledge
- Subject specific skills
- Subject specific vocabulary
- Recap of prior learning
- Finishing thinkers/challenges
- Assessment



- Teacher subject knowledge
- Resources

Subject Curriculum Impact

- Outcomes of pupils in each year group
- Equip pupils with the skills to develop and thrive in the technological world that we live in
- Enhance cross-curricular skills so pupils can independently apply to any situation and be resilient when faced with problems
- All pupils know how to stay safe online and ensure they are safe online. They also understand what to do when this might not be the case
- Pupils to be able to work collaboratively within school and beyond their school lives

Subject provision across the school

EYFS

Pupils in EYFS are encouraged to develop skills, knowledge and understanding that help them to make sense of their digital world. This learning forms the foundations for computing in KS1. These early experiences include asking questions about how things work, investigating whilst using a variety of age appropriate hardware and software.

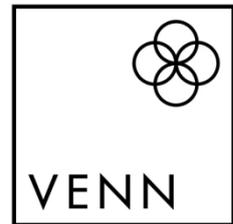
We provide a range of experiences that encourage exploration, observation, problem solving, critical thinking and discussion. These activities attract the children's interest and curiosity.

Key Stage 1 and Key Stage 2

At Mountbatten Primary School we follow the National Curriculum for Computing and children in Key Stage 1 and 2 follow our tailor-made scheme of work which equips children to use computational thinking and creativity to understand and change the world.

Computing has deep links with Maths, Science and Design and technology. The core of Computing is computer science, in which children are taught the principles of information and computation, how digital systems work and how to put this knowledge to use in programming. Building on this knowledge children also develop skills in information technology to create programs, systems and a range of content.

Computing also ensures that children become digitally literate – able to use, and express themselves and develop their ideas through, information and communication technology.



We have developed a Progression of Skills document to inform our planning and to ensure the children develop a sound knowledge of computing to build on previous knowledge and skills.

Assessment for Learning

Teachers will assess children's work in Computing by making teacher assessment judgements during lessons. Work is uploaded onto Seesaw and the Computing subject leader regularly checks and moderates the work.

Once a unit of work has been completed, a teacher assessment judgement is made about the work of each pupil in relation to the National Curriculum. Teachers formally assess the children's work using the online assessment tool, O Track. The children are assessed as Working Towards (WTS), Expected (EXS) or Greater Depth (GDS).

Resources

High quality resources will be used to support the teaching and learning throughout the school:

- Access to the computer suite situated at Mountbatten Primary school
- Interactive whiteboards are located in all classrooms.
- A variety of software and hardware to support the teaching of all subjects.
- A class set of Ipads for each key stage.
- Tablets or Ipads available to all members of staff.
- Computing resources will be reviewed yearly and an action plan of new equipment will be developed to enhance the use of Computing in every classroom and lesson.

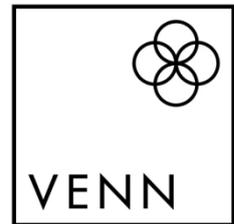
E-safety / Data protection

Ipads, tablets, computers etc, unless static, are stored in a secure area each night. Smaller items are locked in a cupboard/trolley. The last member of staff who was using this equipment is responsible for its safe storage. The school has an alarm system installed throughout.

Children will be taught to work in a safe manner; this will include safe use of the internet (see Internet and E-safety policy). All electrical equipment is tested annually.

Security

Each computer serial number is held on record and each computer has individual security marking against theft which is registered in the School Property Inventory. This is the responsibility of the Site Manager.



The school network system is protected from any viruses by the use of anti-virus software and the prohibiting of the use of any home software without the permission of the Headteacher. Any staff/adults who abuse school equipment or misuse the internet may face disciplinary action. IT equipment taken from the school site is the responsibility of that person and must be signed out at the main school office. All laptops or mobile technology assigned to a staff member must be signed for. This information is held on their personal file until the laptop is returned.

Role of the Subject Leader

It is the responsibility of the subject leader to monitor the standards of children's work and the quality of teaching and learning in Computing. Monitoring may involve looking at planning, scrutinising work, lesson observations and pupil voice. Pupil voice is valued and helps to inform the vision and aims of Computing across the school, pupils are interviewed to gain an insight into the subject. The subject leader produces an annual action plan for the development of Computing and also reports termly to the governing body.

This policy will be reviewed every two years.