



UNSWORTH PRIMARY SCHOOL



Policy for Computing

“Together we build understanding”

INTRODUCTION

The ability to use Computing effectively is a vital life skill in modern society as well as being an important curriculum requirement. This policy sets out Unsworth Primary’s aims, principles and strategies for the delivery of Computing.

Definition

Computing comprises any equipment which allows users to communicate or manipulate information (in the broadest sense of the word) electronically. Computers/tablets (networked/wireless) are the most obvious of those but Computing also includes programmable toys, audio/video recorders, and digital cameras.

Aims

The Computing Curriculum at Unsworth Primary School is designed to develop children’s ability to:

- Understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation.
- Analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems.
- Evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems
- Be responsible, competent, confident and creative users of information and communication technology.
- Understand the rules and implications of Data Protection, by understanding their role and rights in the General Data Protection Regulations.

Objectives

In order to meet these aims the school will:

- Teach the requirements of the National Curriculum as fully as possible and help all children to achieve the highest possible standards
- Use the School’s Own Computing Curriculum and supporting digital tracking system.
- Ensure that Computing teaching is evident throughout the curriculum.
- Develop children’s awareness and understanding of safety
- Teach children to select and use new and emerging technologies appropriate to the task
- Encourage pupils to begin to take responsibility for their own learning
- Encourage pupils to work collaboratively
- Provide an appropriate range of software and equipment to meet the needs of pupils
- Teach children to recognise that Computing affects the way people live and work.
- Celebrate success in the use of Computing.

CURRICULUM ORGANISATION

Computing is a tool to be used as appropriate throughout the curriculum to support and enrich children's learning. Opportunities for Computing should be identified and incorporated within lessons. Planning should refer directly to the school scheme of work. Policy documents for all curriculum subjects should include reference to Computing. Computing is not taught as a stand-alone subject, but throughout the curriculum. There is a scheme of work for Computing to ensure continuity and progression in the development of skills. Groups will be selected to ensure that all children are equally active and involved in tasks set.

Recording, Assessment & Reporting

From EYFS onwards children will be regularly assessed against the school scheme skill areas.

- Digital Literacy(Text & Multimedia, Images, Video & Animation and Sound)
- Programming (Logo & Control and Simulations & Spread sheets)
- Online (Digital Research and Electronic Communication)
- E-Safety (Digital Research and Electronic Communication)
- Data (Data Handling & Data logging)

Class teachers will use the digital tracking system to highlight the achievements of each child so that there is a clear picture of where each child is in each of the skill areas. These records will be passed up on transition to the next class or key stage. The Computing coordinator will monitor these digital records on a termly basis to have a clear overview of attainment across the school.

EQUAL OPPORTUNITIES

- All children should have equal access to Computing in order to develop their personal capability
- We have a range of software/hardware/APP's, which can be provided to individual children with particular educational needs, including high ability pupils.

Special Educational Needs

Pupils with SEND benefit from using Computing as it enhances access to the curriculum. This in turn encourages motivation and the development of skills ensuring significantly higher achievements. Computing resources are organised to give pupils with SEND access to a wider curriculum, as well as increasing their Computing capability (see SEND policy)

HEALTH & SAFETY

- Pupils are not allowed to switch on the power at the mains
- Equipment must be situated away from water
- Pupils are always supervised when using electrical equipment
- All plugs, leads and equipment should be PAT tested regularly.
- An AUP is in place, signed by staff, children & parents and is annually reviewed, whilst children are taught rules for the safe use of the Internet.
- Pupils are taught safe sitting positions and the correct way to use equipment.

Facilities

The school is fully wireless both within and outside the building. Each classroom from Y1-Y6 has a lapsafe cabinet with 10 netbooks and a standalone desktop computer with inbuilt DVD drive. There is a lapsafe with 6 Ipads for Before/After School Club, 1 whole class set of activvotes and activ tablet for whole school use .In each classroom from Y1-6 there is a cabinet with 10 IPAD's. In addition to this each classroom has an interactive touchscreen and visualizer. Throughout the school there are 10 probots and beebots with a range of mats for use in different curriculum areas, a set of 6 flip cameras, 10 easiscopes and 20 easispeak recorders. KS2 children have access to a digital scanner and a half class set of Nintendo DS's. In EYFS the classroom has a smart board, a standalone desktop, talking pegs, a set of beebots, 8 IPAD's and charging cabinet and two laptops for independent use by the children. The SLRP has a touchscreen, set of 6 laptops and 2IPAD's.

Computing Across The Curriculum

Computing is regarded as an essential part of the curriculum and is utilised within lessons, as opposed to being taught separately. Computing skills are weaved into teachers planning both short term and medium term.

Monitoring & Review

Unsworth enquiry curriculum learning overviews will highlight which skills areas are being covered in each class an in which enquiry. Enquiry plans will breakdown the specific skills being taught. Children's work should be saved and stored in the class work area of the shared drive.

Links to other Policies

- Data Protection Policy 2018
- Computing Policy 2018
- Acceptable Use Policy 2018
- E-safety Policy 2018
- School Website Policy 2018
- Infringements Policy 2018
- Blogging Policy 2018

Computing Policy devised September 2013
First Review September 2014
Second Review February 2016 & February 2018