

Framework for teaching ICT capability

Appendix 1

From Key Stage 2 to Key Stage 3

This appendix describes what most pupils should have learned in ICT by the end of Key Stage 2, particularly those aspects that relate to the yearly objectives in Key Stage 3.

Finding things out

By the end of Year 6, most pupils should be able to:

- identify the information they need to complete a simple task or solve a simple problem;
- use simple search techniques, including indexes and lists of contents, to find information;
- prepare information for use in a task by downloading relevant pieces or collecting them from various sources;
- classify information for use in a database and understand how a suitable structure is created;
- recognise different types of information such as text, numbers, graphics;
- enter data into a database, search it and present data in simple tables and graphs;
- check that information is accurate and reasonable;
- discuss what might happen if information is entered into the computer incorrectly or not downloaded completely.

Developing ideas and making things happen

By the end of Year 6, most pupils should be able to:

- combine text, graphics and sound to develop and present their ideas;
- reorganise information for a particular task or problem;
- create, test and refine a simple sequence of instructions to control events or make things happen;
- use datalogging equipment to monitor changes, for example, in light, temperature or sound;
- use simple spreadsheet models to explore the effect of changing variables and answer straightforward questions;
- identify patterns revealed by simple models or simulations.

Exchanging and sharing information

By the end of Year 6, most pupils should be able to:

- use e-mail;
- use software to create stories, animations, presentations, displays and posters;
- consider the needs of different audiences, such as parents, peer groups, younger or older pupils;
- recognise the need for quality and accuracy in their presentations of work and ideas;
- work in groups to solve problems and complete tasks.

Reviewing, modifying and evaluating work as it progresses

By the end of Year 6, most pupils should be able to:

- review what they have done and consider how they might improve their work;
- evaluate other people's work and get ideas for their own;
- describe their use of ICT and how they might have completed a task using other methods;
- compare their use of ICT with other people's;
- recognise the benefits of using ICT for particular tasks;
- describe some uses of ICT outside school and the impact it might have on people at work and at home.