



### ICT in Art at Key Stage 3

Art and design stimulate creativity and imagination. Pupils use different materials and processes to communicate what they see think and feel. Through art and design activities they learn to make value judgements and practical decisions. They explore ideas and meanings in the work of artists, craftspeople, and designers. They learn about the role of art, craft and design in contemporary life. ICT can play an important role in this.

#### **The QCA Schemes of work**

The QCA schemes of work identify 2 ways in which ICT can be used to support art teaching.

- Using image manipulation software to create images
- Using digital cameras to record work. Digital cameras could be used to record work in progress and 3D work.
- Using CD ROMS and the Internet to show pupils works by suggested artists.

ICT can also be used to present work using word processing, presentation software, multimedia presentation and web authoring software.

The following paragraphs identify the QCA art units where ICT is needed and give a brief description of how it is to be used.

#### **Unit 7A Self-image**

Pupils use Digital camera, scanner and image manipulation software to make mixed media collages.

#### **Unit 7B What's a building**

Pupils could use a digital camera to record a visit to a building. Virtual tours of buildings could be undertaken using the Internet.

#### **Unit 8B Animating art**

Pupils are asked to collect images on video or electronically and use an image manipulation package to animate them. The animations could be combined with sound and lighting effects to enhance the presentation.

#### **Unit 9A Life events**

Pupils can use digital images to create a collage or montage of an important event. The images may be from the Internet, scanned or produced using a paint package. The images are combined using image manipulation software.

#### **Unit 9C Personal places, public spaces**

Pupils use digital cameras, scanned images and image manipulation software to make a representation of their work in situ.

### Long term Planning

At KS 3 the ICT Unit 2 Information and presentation supports some of the research and presentational aspects of the art units. It would be preferable to teach ICT Unit 2 'Information and presentation' early in year 7 but this is not essential because many of the skills needed will have been taught at KS 2. ICT Unit 3 'Processing text and images' needs to be taught before Art Units 7A and B.

### Hardware

Computer system. Minimum specification 700 MHz, 128Mb RAM, 10GB hard disk, 21" screen, CD R/W drive or a separate CD writer – essential as files will be too large to save on a floppy disk

Scanner – 600x1, 200 dots per inch (dpi)

Digital camera – the Sony Mavica digital camera records directly onto disk, which saves time in the classroom from Techsoft, Economatics, Epic House, Darnhall Road, Sheffield S9 5AA Tel 0114 281 3311

Digital video camera - Sony TRV510E approx £900 from Cambridge Software House, PO Box 163, Huntingdon, Cambridgeshire

Colour printer.

Graphics tablet (A5) Digital Workshop £50 Wacom Graphics Tablet from Computers Unlimited Tel 020 8358 5858 [www.computersunlimited.co.uk](http://www.computersunlimited.co.uk)

Video Projector for projecting and sharing work Matrix have special prices for Bucks £1695 (Malcolm Frow) Unit 12/13, Egham Business Village, Crabtree Road, Egham, Surrey TW20 8RB Tel 01784 43 9000, Fax 01784 43 9090, e-mail [malcolmfrow@matrixdisplay.com](mailto:malcolmfrow@matrixdisplay.com) Smart

### Assessment

At KS 3 the ICT needed to support the Art units will usually have been taught separately, and should be assessed during ICT lessons. When assessing art work that has involved ICT it is important to assess the achievement of Art objectives and not ICT objectives.

### Key Stage 3 Software and Hardware for Art Checklist

QCA Unit of work	Software/Hardware	Located
Unit 7A Self-image	Digital camera, scanner and image manipulation software	
Unit 7B What's a building	Digital camera	
Unit 8B Animating art	Digital camera, scanner and image manipulation software	
Unit 9A Life events	Digital camera, scanner and image manipulation software	
Unit 9C Personal places, public spaces	Digital camera, scanner and image manipulation software	