



The 21st Century Art and Design Secondary Teacher

Learning and Teaching

Twenty-first century teachers ensure teaching is enhanced through the informed use of ICT. They use technology to offer greater flexibility and choice, delivering lessons that use a wide range of teaching techniques and differentiating learning to meet learner needs and preferences. They communicate information and concepts clearly providing high quality lessons and resources that make learning exciting and engaging for learners of all abilities in all contexts. They use technology to aid the provision of adaptive solutions for learners with special needs. C21 teachers create a learning environment involving ICT in which learners feel safe and secure.

How *Art and Design* teachers use technology for Learning and Teaching

ICT provides access to an extraordinary range of new resources for the 21C art and design teacher, and offers a powerful and dynamic means of visual communication and expression, potentially reaching new audiences and offering new opportunities for collaborative working. www.nsead.org/ict/about/about11.aspx

Art and design teachers use ICT in a variety of teaching contexts to support the creative development of ideas alongside traditional media. www.nsead.org/ict/about/about12.aspx

They use the internet to access a wide range of teaching resources and to research the working practices of artists, craftspeople and designers past and present, e.g. www.artisancam.org.uk. They use museum and gallery websites, such as Iniva (Institute of International Visual Art) www.iniva.org and Autograph ABP www.autograph-abp.co.uk – a web archive of culturally diverse artwork and artists.

They are aware of both formal and informal internet content and the power of video tutorials and interviews which bring contemporary art and design events and exhibitions into the classroom www.tate.org.uk.

They use interactive whiteboards and Visualisers to focus learners on techniques and processes.

<http://emergingtechnologies.becta.org.uk/index.php?section=etn&rid=14742>

They are aware of the variety and range of software available, and over a key stage provide opportunities for students to experiment and gain confidence using a variety of tools alongside traditional media for different purposes. For example:

- Digital paint and drawing tools to enable learners to explore the formal elements of art

- Image manipulation tools for collage and composition
- Tools to explore and experiment with photographic processes
- Tools for graphics/illustration to explore text, layout and repeat patterns for textiles
- Video editing and animation tools. Anim8ed is an online animation resource to support the development of animation projects www.anim8ed.org.uk
- 3D modelling tools for designing and creating animated characters or sculptural forms
- Visualisers to aid and share research of their own and others' work

NSEAD's ICT website outlines secondary students' ICT entitlement:
www.nsead.org/ict/about/about18.aspx

Art and design teachers use technology to provide access to high quality learning materials for all students at any time, e.g. posting modules of work on the learning platform enables learners to work at any time that is convenient to them and provides a range of materials that supports them in their studies.

They are aware of and assist learners to make the most of current online and emerging resources for use in and out of school for storing, sharing, making and collaborating. They exhibit learners' work in 'virtual' galleries www.rtkids.org providing access to a national exhibition space for students to show their work online. 100 x 100 'Closing the Gap' <http://online.coombeshead.devon.sch.uk/GlobalCurriculum/100x100.aspx> is an exhibition of photographs made collaboratively by schools, using the global learning community rafi.ki www.rafi.ki/site/

Administration and Planning

Twenty-first century teachers use technology for all administrative processes, enabling them to save time. They use technology to help them with planning for learning and teaching, reusing and adapting documents, enabling the planning process to be completed quickly. They plan a broad and balanced curriculum that includes the use of various types of technology to support learning. They give learners opportunities to develop competence, independence and initiative in their use of technology to support learning. C21 teachers use technology to help with the storing and manipulation of pupil data for both formative and summative assessment. They identify and address their professional development, including their own ICT training needs, responding to emerging technologies and practice.

How Art and Design teachers use technology for Administration and Planning

21st Century art and design teachers – as with all teachers – use technology to document their planning and, by reusing and adapting these documents, they save time which can be used in the classroom for learning. They cooperate with colleagues in the school to ensure their skills are up-to-date and that the available facilities are being put to best use. They participate in whole-school planning for ICT policy to ensure that specific needs of art and design are articulated *before* decisions are made. They share responsibility with colleagues for keeping themselves up-to-date on ICT resources to support art and design teaching. They collaborate with colleagues in ensuring that up-to-date information about the school's art and design curriculum, qualifications, timetable and resources for each year is available online to staff, parents and pupils. They provide for, and respond to, electronic feedback from parents.

They keep themselves up-to-date via the Internet and digital media with the kind of materials with which their pupils are engaging, looking for opportunities to make

connections with the art and design programmes of study, providing stimulating contexts and resources to enliven their teaching, and opportunities for their pupils to make active contributions to the learning www.futurelab.org.uk/projects/harnessing-technology. When planning they use a selection of websites to obtain resources and lesson ideas in order to build upon their existing teaching activities and resources. They are able to use forums to communicate with colleagues and to encourage debate and exchange ideas e.g. Art Education 2.0 <http://arted20.ning.com/> (This is a global community of art educators which explores new and emerging technologies in art and design classrooms). They also use social networking sites such as Art Teachers of the World to share and discuss ideas www.facebook.com/group.php?gid=32364534401

Access to subject specific information about health and safety issues in art and design can be found on line at <http://www.nsead.org/hsg/index.aspx>

Assessing and Reporting

Twenty-first century teachers have modern assessment and reporting systems in place which help them understand how to identify and meet the needs of the learner. They use technology regularly and consistently to support their professional judgement, with assessment for learning and tracking pupil progress. C21 teachers educate and monitor learners to ensure their use of technology is safe, legal and responsible. They use technology to communicate with parents/carers, sharing information with them about their child through electronic /online reporting.

How Art and Design teachers use technology for Assessing and Reporting

21st century **Art and Design** teachers contribute to the school learning platform/website which informs parents and learners about the work that takes place in the classroom and links to useful resources that learners might use at home.

Learners develop online portfolios that provide a record of work undertaken to assist with both formative and summative reporting and assessment.

They make use of electronic communication in order to provide parents with a rounded picture of progress and standards, including such items as students' work, curriculum information and work deadlines.

They use tools such as interactive whiteboards, Visualisers and aspects of learning platforms to enable formative assessment with students as they work.

They provide feedback to learners through the school's VLE on specific projects.

They use audio and video to ensure that all learners are actively involved in ongoing assessment. Conversations are easily recorded enabling learners to celebrate their achievements, recognise their strengths and identify priorities for future learning and how these could be achieved. They use websites such as www.youtube.com, www.nsead.org and <http://whatworkswell.standards.dcsf.gov.uk/> to assist the sharing of good practice.

Are you a 21st century **Art and Design** teacher?

<p>Do you as an Art and Design teacher:</p> <p>(Consider what you do towards developing your range of professional skills with technology.)</p>	regularly	sometimes	Not at all
<p>Know when (and when not) to use 3-D imaging, animation, digital photography, video etc in your Art and Design teaching to enhance the topic you are teaching?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Frequently review and audit your practice to ensure you are using technology effectively in Art and Design teaching, planning and assessing?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Regularly identify personal targets for developing new skills in art and design and ICT at your performance review?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Know and assess your learners' ICT capabilities in art and design This may include paint and drawing programmes, still and moving image manipulation and editing programmes?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>When teaching, use ICT to creatively exploit and extend your learners' use of audio and visual technologies in art and design?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Use technology to present information, processes and concepts in interesting ways to learners and for learners to present to their peers. This may include exchanges of artworks in 'virtual' galleries and artworks or information sourced through 'remote' collaborations?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Use technology to access ideas and information through digital resources for personal use and for learners to be aware of the validity of information?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The following links will help in your journey towards 21st Century Art and Design teaching and learning

For further help and ideas on how to turn your checklist into actions, try reviewing some of these resources.

Ten websites that Art and Design teachers will find useful for their CPD:

1. NSEAD

www.nsead.org

National Society for Education in Art and Design – information on all aspects of art education including NSC case studies and a comprehensive section on the use of ICT in art.

2. ArtisanCam

www.artisancam.org.uk/

ArtisanCam – learn about contemporary art and artists. Using video and interactive activities this site provides information on the ways in which artists work.

3. Art History – resources on the web

<http://witcombe.sbc.edu/ARTHLinks.html>

A comprehensive resource with links to galleries and museums around the world.

4. Culture 24

www.culture24.org.uk/home

Exhibition reviews, education resources from museums and galleries and libraries around the UK.

5. Mark Hardens Artchive

www.artchive.com/

Virtual gallery of classic and contemporary painting, sculpture, as well as art critique, reviews, and links.

6. Photoshop.com

www.photoshop.com/

Store share and edit images on line.

7. Aviary Tools

A powerful set of on-line tools and tutorials for artists and designers around the world.

<http://aviary.com>

8. Exploreatree

www.exploratree.org.uk

A library of free web resources, developed by Futurelab, where you can access ready-made interactive thinking guides.

9. Axis Art

www.axisweb.org/

Online site for contemporary art and artists. Includes profiles of artists, discussion, art news and more.

10. Tate

Tate holds the national collection of British art from 1500 and of international modern art.
Tate channel, podcasts, artists in conversation and quality teaching and learning resources.
www.tate.org.uk