

RESOURCES

You can quickly develop and maintain your own up to date list of resources.

The resources we suggest below are just to get you started - to give you a taste of what is available.

You will find useful information to help you with teaching with ICT from a number of sources:

- on the world wide web
- books (to support both your own development and that of your learning programmes)
- newspapers, magazines and journals (educational, computer, and more general)
- hardware and software catalogues, manuals and instruction books
- television programmes and videos
- CD ROMs

WEB SITES

This is a small selection of web sites that may well be of use to you. Most of the web sites mentioned are of UK origin and in the medium of English. We want to give you a good idea of the range of types of web site available, and we're sure that you will find sites of equivalent value and quality from other countries of origin - and also in other languages, if you prefer.

When searching the web do look for sites that are relevant to you - to your subject teaching, your learners' age and phase, and your own interests.

In a library, it is usually a good idea when you have found the particular book you were looking for then to 'look along the shelf' - you may well find other books which you did not know about and which prove to be just what you need. The same applies to searching on the web. Think laterally, eg in the use of search terms and following through links.

There are many educational websites which are portals to many more other websites - don't be shy of going through these portals to explore what lies beyond! This applies also to exploring fully within the website - as well as following links from the website to elsewhere. Make sure you navigate around the site and have a thorough idea of what is available.

Note useful sites when you find them - add them to your favourites/bookmarks list so that you can recall them quickly and easily.

General education support sites include:

www.ngfl.gov.uk

UK National Grid for Learning

This site contains a wide range of information relating to using ICT resources in learning context.

For example one section gives information on safe use of Internet:

www.ngfl.gov.uk/grid_safety/index.html

The NGfL also has a Virtual Teachers Centre:

<http://vtc.ngfl.gov.uk/index.html>

which offers a variety of services, including a software database, learning resources index, discussions groups and a teacher resource exchange.

The Teachers Online Project at <http://top.ngfl.gov.uk> offers an extensive range of facilities including case studies of ICT in education.

www.bbc.co.uk

British Broadcasting Corporation

The BBC website contains a great deal of useful education material including a section relating particularly to using new technologies.

For example

www.bbc.co.uk/education/cdb

Computers Don't Bite

www.bbc.co.uk/webwise

The Internet made simple

The BECTA website offers a wealth of useful advice, guidance and materials for teachers.

www.becta.org.uk

British Educational Communications and Technology Agency

For example

www.becta.org.uk/info-sheets/hands.html

Information on health and safety aspects of using ICT

www.4learning.co.uk/plus

Channel 4 Education

Includes teaching and learning ideas, activities, educational games etc. for primary and secondary education.

www.techlearning.com

Technology and Learning

'The Resource for Education Technology Leaders' offering a very wide range of US-based resources and links to US Professional Organisations and Professional Development.

www.icteachers.co.uk

ICT Teachers

ICTTeachers Ltd is run by teachers for teachers - various facilities, including resources, online advice and newsletter.

www.techknowlogia.org

International Journal of Technologies for the Advancement of Learning

One of the best online journals in this field.

www.teem.org.uk

Teachers Evaluating Educational Multimedia

Well-established project in which teachers share their evaluations and recommendations on educational CD ROMs and websites.

www.mirandanet.ac.uk

Online community of teachers and educators

An example of online professional network supporting collaborative learning communities.

Subject based sites

There are an ever-increasing number of websites providing ready-made subject-specific learning materials and professional development resources. For example:

www.teachingideas.co.uk

www.educate.org.uk

Through careful specification of your searches you can find what you need and give these sites a go.

A very useful website to start with is the RDN Virtual Training Suite.

<http://www.vts.rdn.ac.uk>

The suite provides a set of free online tutorials designed to help students, lecturers and researchers improve their Internet information skills. The tutorials are in the context of particular subjects, eg 'Internet Mathematician', 'Internet for English', 'Internet Geographer'. You can tour key sites for the subject, discover and develop tools and techniques to improve your Internet searching, review the critical thinking required when using the Internet eg about quality issues and avoiding common pitfalls, and reflect on how to use the Internet for studying, teaching and research.

You will also find many organisations which are resource centres for particular subject areas, for example about international development issues:

www.worldaware.org.uk

Worldaware - independent UK-based organisation providing a wide range of teaching materials for all levels of school curriculum

<http://www.unesco.org/education/tlsf/>

Multimedia programme for educators on sustainable development, providing a wealth of materials for teachers and learners

Mailing Lists

For example:

www.listz.com

contains a full list of mailing lists

Newsgroups

For example:

www.schoolnet.co.uk/discussion

general newsgroup with links to specific groups eg ICT in schools

Web sites for use with learners

The case studies in this online support for the Diploma in Teaching with ICT give you some examples of using the Internet for materials for your learners. Internet-based material can be accessed using a search engine such as Google, Yahoo, Lycos, Altavista or AskJeeves.

Websites which can provide useful learning materials include:

- museums and galleries, eg

www.sciencemuseum.org.uk

Science Museum, London

www.louvre.fr

The Louvre, Paris

www.egyptianmuseum.gov.eg

The Egyptian Museum, Cairo

- zoos and national parks, eg

www.zoo.com.sg

Singapore Zoological Gardens - 'Open Zoo'

www.serengetipark.org

Serengeti National Park, Tanzania

www.zsl.org/londonzoo

London Zoo

- companies and industry organisations, eg

www.bp.com

BP

www.ford.com

Ford

www.gsk.com

GlaxoSmithKline

- places and institutions of special interest eg

www.taj-mahal.net

Taj Mahal

www.royal.gov.uk

The Royal Family

www.galapagos.org

Galapagos Islands

- newspapers - international, regional, national, eg

www.thetimes.co.uk

The Times

www.gulfnews.com

Gulf News

www.straitstimes.asia1.com.sg

Straits Times Interactive

- international organisations, eg

www.worldbank.org

The World Bank Group

www.unicef.org

UNICEF

www.panda.org

World Wildlife Fund

- media organisations, eg

www.sabc.co.za

South African Broadcasting Corporation

www.cnn.com

CNN

www.abc.net.au

Australian Broadcasting Corporation

- charities, eg

www.oxfam.org

www.msf.org

www.icrc.org

www.ifrc.org

OXFAM International
Médecins sans Frontières
International Committee Red Cross
International Federation of Red Cross
and Red Crescent Societies

Other relevant sites

You will also find useful information, from regulations and directives to advice and links, by visiting the websites of Government Ministries, Bureaus and Associations, Universities and Awarding Bodies. Some UK-based examples:

www.dfes.gov.uk

Department for Education and Skills

www.qca.org.uk

Qualifications and Curriculum Authority

www.cam.ac.uk

The University of Cambridge

www.cie.org.uk

Cambridge International Examinations

The websites of hardware and software manufacturers and providers often have useful information for teachers and learners.

Look out for Projects and Initiatives related to ICT in Education and Training, which are often sponsored by Government Ministries and Companies. For example, in the UK, Teachers Helping Each Other (THEO). Such Projects often produce very useful outcomes. For example THEO have produced the online book 'Good Practice in the Use of ICT in Mathematics, Science and Geography' -

http://www.rm.com/RMVirtual/Media/Downloads/good_practice_ICT.pdf

There are also many organisations offering professional development programmes for teachers concerning ICT, for example

www.futurekids.com

Futurekids International

www.nalejandria.com

Nueva Alejandría

VIDEO/TV

The UK New Opportunities Funded Training Programme has generated an extensive range of teacher training materials.

One of the benefits of Video/TV is that it enables you to observe teachers elsewhere go about the business of teaching. It can be almost as if you were there in the classroom, or on fieldwork shadowing the teachers and learners as they use ICT to support teaching and learning.

For example the Channel 4 video:

Connect : ICT ISBN 1-84050-076-X

consists of five 30 minute programmes:

1. Making ICT work
2. So what's ICT got to do with my subject?
3. ICT is all about the classroom
4. ICT for special educational needs
5. When it comes to the marking!

There is an accompanying resource pack.

The video (code 254258) and pack (253781) are available from:

Customer Services
4 Learning
PO BOX 400
Wetherby
LS23 7LG
UK

Tel : +44 8701 246 444

Fax: +44 8701 246 446

4learning.sales@channel4.co.uk

Example of a Teacher's resource list

This is an example of the kind of list of hardware, software and other useful weblinks which a teacher can quickly develop. Here a primary school teacher whose learners are preparing for the CIE ICT Starter Diplomas has spent some time looking for useful software and learning materials, much of it downloadable and free.

ICT Starter Diplomas – useful websites

Software

BlackCat Software - a collection of programs <http://www.blackcatsoftware.com>

Keylink Computers - control software <http://dialspace.dial.pipex.com/keylink>

Kudlian Software - a collection of programs <http://www.kudlian.demon.co.uk>

Logotron - a collection of programs <http://www.logo.com>

Noteworthy Composer - music software <http://www.noteworthysoftware.com>

Serif for DTP, Vector, BitMap software and more <http://www.serif.com/>

SmartDraw - software for network diagrams and many others
<http://www.smartdraw2.com/tree1.htm>

Sibelius - music software and music printing <http://www.sibelius.com>

TextEase - a collection of programs <http://www.textease.com>

Hardware and software

Economatics - Control, Smart Box, Buggies and Software
<http://www.economatics.com/education/secondaryschools/index.htm>

Data Harvest - Data Logging and Control hardware and software
<http://www.data-harvest.co.uk>

Valiant Technology - Roamer, Control hardware and software
<http://www.valiant-technology.com>

General Links

Using traffic lights for control in a school

<http://boe.cabe.k12.wv.us/daviscre/ataugust1mm2.htm>

Logo tutorial - drawing flowers

<http://euphrates.wpunj.edu/faculty/llarullm/logo/ex1-3.htm>

Logo explained <http://mckoss.com/logo/>

Ambleside School - Logo lessons -

<http://www.ambleside.schoolzone.co.uk/ambleweb/logo/mswintro.htm>

All about email <http://www.123mail.net/howit.htm>

Lessons on using computer software <http://www.elmlane.com/tutor/lesson10.htm>

Download links

IrfanView free software similar to PaintShop

<http://stud1.tuwien.ac.at/~e9227474/english.htm>

MSW Logo downloads <http://www.softronix.com/download/msw32b64.exe>

WinChat - intranet email <http://www.geocities.com/ababiloonia/>

Free software from the Internet

<http://www.freewarefiles.com>

BOOKS ABOUT TEACHING WITH ICT

The following offer stimulating and practical advice

Marilyn Leask (ed), (2001)
Issues in teaching using ICT
Taylor & Francis Books Ltd, RoutledgeFarmer
ISBN: 0415238676

Jane Sharp et al (2002)
Primary ICT, Knowledge Understanding and Practice
Learning Matters
ISBN: 1903300592

Babs Dore and Avril Loveless (2002)
ICT in the Primary School
Open University Press
ISBN 0335209165

Terry Russell (2001)
Teaching and Using ICT in Secondary Schools
David Fulton
ISBN 1853466700

Marilyn Leask and Norbert Pachler (1999)
Learning to Teach Using ICT in the Secondary School
Taylor & Francis Books Ltd, RoutledgeFarmer
ISBN: 0415194326

Steve Higgins, Nick Pickard, Phil Race
500 Tips for Using ICT in Primary Teaching
Taylor & Francis Books Ltd, RoutledgeFarmer
ISBN: 0749428635

Anne Sparrowhawk
ICT in the Classroom
Management Pocketbooks
ISBN: 1903776554

PUBLISHERS

As the context for teaching and learning and the technology itself is rapidly developing, it is worth checking that books are up to date and relevant to your needs. It is certainly worth locating, bookmarking and checking from time to time, the websites of major publishers and booksellers. Publishers are focusing on ICT-related developments in education and many new texts are being or about to be published. For example:

Cambridge University Press

<http://uk.cambridge.org/>

Open University Press

<http://mcgraw-hill.co.uk/openup/Heinemann:>

Taylor & Francis, RoutledgeFalmer

<http://www.routledgefalmer.com/>

Learning Matters

<http://www.learningmatters.co.uk/>

You can use reviews in the education press (eg the online Education Guardian <http://education.guardian.co.uk/>) to guide you and help you select particular resources for closer scrutiny.

A useful way quickly to identify and then visit publishers online is through national or international Publishers Associations, for example the UK Publishers Association

<http://www.publishers.org.uk/>

and the International Publishers Association

<http://www.ipa-uie.org/>

Remember to check online providers such as:

Granada Learning:

<http://www.gradalearning.com/>

Educational Computing and Technology (online service from Hobsons publishers)

<http://www.ect.hobsons.com>

including:

Educational Computing

online magazine

JOURNALS AND MAGAZINES

For example:

Journal of Information Technology for Teacher Education

Three volumes a year

Triangle Journals Ltd

ISSN 0962-029X

Resources for developing ICT skills

Check the resources list for the Cambridge International Diploma in ICT – both on the CIE public website and the teacher support site.