

## About Becta

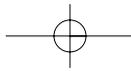
Becta is committed to improve learning and teaching through the effective and integrated use of information and communications technology (ICT).

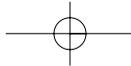
As the Government's key partner in the strategic development of a national ICT and e-learning strategy, Becta works in support of the DfES Key Stage 3 National Strategy, with the Qualifications and Curriculum Authority (QCA), subject associations, the Teacher Training Agency (TTA), and other national partners to encourage innovation in the use of ICT to support learning.

We offer, free of charge, comprehensive advice and services on integrating ICT in subject

teaching. We shall shortly be publishing further advice on developing the use of ICT in a number of curriculum subjects. This advice is supported by a range of peer-to-peer services, information on locating resources for learning and teaching, events, news services, online communities and guidance from individual experts. Our ICT advice also covers topical issues such as inclusion, internet safety, teaching with interactive whiteboards and the creative use of digital video.

<http://www.becta.org.uk/schools>





## Learning and teaching

Find out about the full range of Becta's advice services aimed at helping teachers integrate ICT effectively into learning and teaching. This catalogue also features our advice, guidance and services for 14–19 education and training providers. Becta and the subject associations are developing new subject-specific advice in support of the Key Stage 3 offer from the DfES.

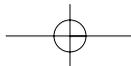
### ICT Advice website

Central to Becta's advice on integrating ICT is the Teaching and Learning section of the ICT Advice website. The section is packed with advice, information and examples of effective practice. As well as general advice covering classroom management and choosing resources, you'll find subject-specific advice which you can browse by phase and curriculum subject.

### ICT in 14–19 education

Becta supports the development of advice, guidance and services for 14–19 education with a focus on ICT to support the implications of embedding the findings of the Tomlinson Report on 14–19 Curriculum and Qualifications Reform. We are gathering case study evidence to illustrate the need for collaborative technologies in 14–19 education. Other work focuses on the development of e-assessment and e-learning for new vocational courses. This emerging advice will be available through Becta's ICT Advice site [<http://www.ictadvice.org.uk>] and also on our post-compulsory education website, Ferl [<http://www.ferl.becta.org.uk>].

<http://www.ictadvice.org.uk/teachingandlearning>



## Secondary web-based resources

Discover a wealth of internet resources and applications that directly support learning and teaching in secondary subjects.

Working with the subject associations, Becta has identified around 20 separate resources to support each subject and collected them together in a series of subject-specific booklets that you can order or download from Becta publications. You can bookmark the resources and use them offline, or you may download and adapt them to meet the learning and teaching of specific key objectives (but note that individual copyright restrictions may apply).

These two examples show the type of resources available:

### Music

#### Brazilian percussion and samba – Key Stage 3

The Brazilian percussion site has an online shop offering 40 different kinds of samba instrument. There is a sound file of each individual instrument and also an extensive list of links to other samba-related sites.

**URL:** <http://www.brazilianpercussion.com/english/instrumentos>

#### Relevant to the following:

National Curriculum:  
Key Stage 3 4c, 4d

Scheme of work:  
extends Key Stage 3 Unit 9 Music for dance (exploring musical conventions)

### English

#### Studying the background of Arthur Miller's 'The Crucible' – Key Stage 4

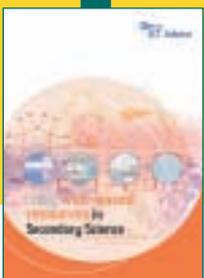
This downloadable resource is a webquest written for an English class in California, but you can easily adapt it for use with the National Curriculum for England.

**URL:** <http://www.teachtheteachers.org/projects/AMoore/Crucible.htm>

#### Relevant to:

National Curriculum:

- En2 Reading: texts from different cultures and traditions
- 3a to understand the values and assumptions in the texts
- 3b the significance of the subject matter and the language
- 3c the distinctive qualities of literature from different traditions
- En2 Reading: printed and ICT-based information texts
- 4a select, compare and synthesise information from different texts
- 4b evaluate how information is presented
- 4c sift the relevant from the irrelevant, and distinguish between fact and opinion, bias and objectivity
- 4d identify the characteristic features, at word, sentence and text level, of different types of texts



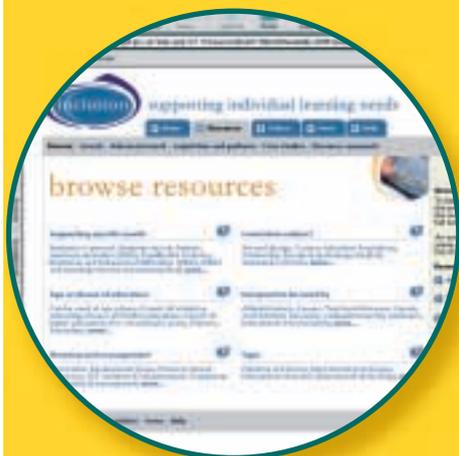
## Subjects covered

You can download the following booklets of web-based resources from Becta publications [<http://www.becta.org.uk/publications>] by following the Teachers link under the Schools heading.

Design and technology	Mathematics
EAL	Music
English	RE
Geography	Science
History	

<http://www.ictadvice.org.uk/webbasedresources>

<http://www.becta.org.uk/schools/inclusion>



## Inclusion and SEN

Inclusion and special educational needs (SEN) issues are considered in all Becta's advice, but teachers and special educational needs co-ordinators (Sencos) looking for specific advice in these areas can find it from a single page on Becta's website [<http://www.becta.org.uk/schools/inclusion>]. This page links to advice and resources to help teachers create an inclusive learning environment. Examples of the resources here include:

### English for speakers of other languages (ESOL)

ESOL learners come from widely varied backgrounds; some recent arrivals in the UK have a high level of education, whereas others have only limited basic skills in their first language. Becta's website has two areas where you can find materials aimed at ESOL students at all levels.

The ESOL site has case studies, software reviews and teacher resources.

<http://www.becta.org.uk/esol>

The Community Languages site has information about fonts as well as the highly popular **Say IT** series – information sheets of computer terminology in 29 languages from Albanian to Yoruba.

<http://www.becta.org.uk/community>

### Inclusion

The Inclusion website provides advice and information and holds an extensive catalogue of resources to support teaching professionals and others in meeting learners' individual learning needs. It gives those working in special needs and inclusion access to experts and peers, and there are also details of suitable resources, software and equipment for those wishing to use ICT in an inclusive approach to education.

<http://inclusion.ngfl.gov.uk>

### Communication Aids Project (CAP)

The project is designed to help students with significant communication difficulties and, in particular, to give support to pupils who have difficulty in understanding language, communicating verbally and using written communication. The website contains a unique catalogue of around 1,500 ICT resources to support pupils with communication difficulties.

The CAP News section of the website contains new product information and other CAP-related articles and news items. On the website you can sign up for our new monthly CAP e-newsletter and *CAP it All*, a termly newsletter which you can either download or order free from the CAP office on 024 7684 7173.

<http://www.becta.org.uk/cap>

**Becta manages a number of online communities, many of which focus on aspects of inclusive educational practice. For further details see page 11.**



<http://www.becta.org.uk/publications>

## Using educational content with new technology

Have you PDAs, interactive whiteboards or tablet PCs at your school? And are you not sure how to integrate them into your teaching? Have you considered using computer games or interactive digital TV in the secondary classroom? Becta has produced a series of five reports on how to use content innovatively with these technologies to enhance the learning potential of the student over that achieved via traditional teaching means. The reports feature case studies describing the types of educational content used and the results achieved from the exercise. Additionally each report provides a comprehensive list of further reading for continued investigation into each topic.

Available soon [<http://www.becta.org.uk/publications>]

## Effective use of ICT in subject teaching – Secondary

This free CD-ROM is packed with examples of effective practice. Teachers will find essential activities showing where and how ICT can enhance teaching and learning in their subject. Each activity not only has a lesson outline but is also mapped against the National Curriculum and QCA schemes of work. 'Why we are using ICT' explains the benefits ICT brings to the activity and, of course, all the resources required to teach the activity are provided on the CD-ROM. The resources are supported by evidence and research about what good ICT in subject teaching looks like.

Many examples show the work of Becta award winners and include video case studies plus hints and tips that cover curriculum topics as well as technical help.

Available soon [<http://www.becta.org.uk/publications>]

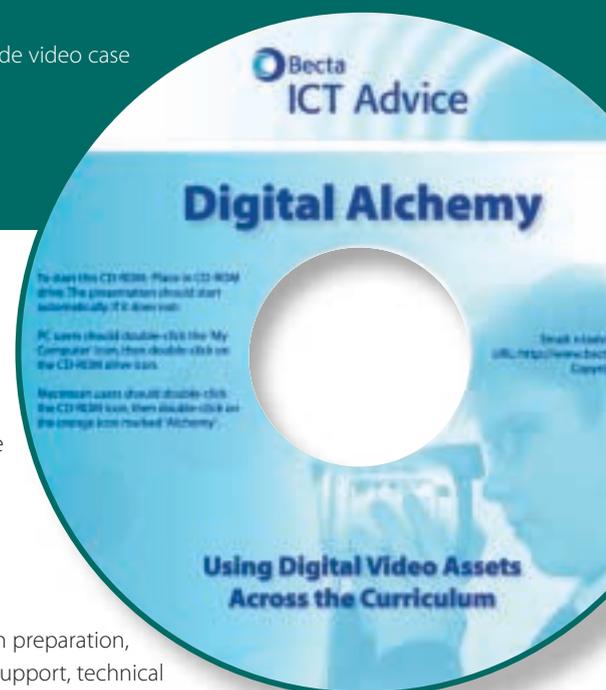
## Digital Alchemy

### Using digital video assets across the curriculum

This free CD-ROM offers advice and guidance on using digital video assets to support subject learning and teaching. The advice and guidance covers:

- how to find and create assets
- management and administration, including organising and planning activities
- learning and teaching, including managing pupils' work (lesson preparation, resource management, group work, supervision, training and support, technical tips and techniques, case studies which exemplify the use of digital video in the classroom, lesson plans, research which outlines the benefits for teachers and learners, and frequently-asked questions).

Available to order from Becta publications [<http://www.becta.org.uk/publications>]



## Using technology and e-learning to support the 14–19 agenda

This revised publication focuses on the key themes of the 14–19 reforms and how ICT could support them. The key area identified for more research and evidence gathering is the organisational role of ICT in supporting effective collaborative partnerships between institutions, employers and key agencies.

<http://www.becta.org.uk/awards>

## Awards

Becta's awards recognise and celebrate innovative and effective practice in learning and teaching.

<http://www.becta.org.uk/awards>

### ICT in Practice Awards

These awards go to individuals and teams who demonstrate exemplary practice in ICT. Becta shares the winning models of practice with the wider teaching community.

Following the 2004 Awards Becta published a series of booklets entitled **Transforming...** These booklets highlight specific examples taken from the practice of shortlisted nominees and aim to offer advice to practitioners by outlining the main characteristics of good practice using ICT.

Available to order or download from Becta publications  
[<http://www.becta.org.uk/publications>]

### Creativity in Digital Media Awards

The Creativity in Digital Media Awards aim to inspire practitioners and students to demonstrate and celebrate creativity in the use of digital video, digital still images and digital music. The awards identify and exemplify effective practice which Becta embeds in its advice for the wider learning and teaching community. You can find out about the 2004 awards in Becta's publication *Digital Video Awards 2004*.

Available to order or download from Becta publications  
[<http://www.becta.org.uk/publications>]



## ICT Advice leaflets

This series of leaflets helps practitioners to integrate ICT effectively into teaching by providing information and advice on selecting appropriate resources. Some of the leaflets also include examples of good practice.

### Curriculum Online and Electronic Learning Credits (eLCs)

This addresses some of the frequently-asked questions about how e-Learning Credits work and the Curriculum Online website.

### Support assistants and ICT

This contains general information on how support assistants can make use of ICT in classroom learning and teaching.

### What are presentation technologies?

This highlights the different types of presentation technologies available and draws out examples of effective practice in using presentation technologies in the classroom.

### Wireless networks

This offers procurement advice on how to choose a wireless local area network and the issues to consider.

Available to order or download from Becta publications  
[<http://www.becta.org.uk/publications>]



## Subject case study reports

### A report on the use of ICT in art and design

This report explores good practice in the use of ICT in art and design. It covers issues on how the use of technology in art and design differs from its use in other subjects, cross-curricular uses, and areas in which ICT affects art teaching uniquely.

Available to order or download from Becta publications  
[<http://www.becta.org.uk/publications>]

### Coming soon

A second report in this series – on the use of ICT in PE – will be available during the spring term 2005.

## Resources for teaching

Find resources to support learning and teaching from a range of online services managed by Becta. You can find resources which are quality assured to common standards and many which are recommended – and some even created – by teachers themselves.

### Virtual Teacher Centre (VTC)

The VTC is the complete web resource for busy schools professionals, whether teachers, support staff or managers. Through the VTC you access quality-assured, NGfL-badged online resources, online conferences and communities, as well as daily news and events updates. To make them easy to locate, all resources on the VTC are classified according to subject, age range or school topic. You can also personalise the site to suit your needs.

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

### Teacher Resource Exchange (TRE)

The Teacher Resource Exchange is a moderated database of resources and activities contributed by teachers and designed to help teachers develop and share ideas for good practice. Subject specialists check all the teacher-created resources on the TRE to ensure that they are of the highest possible quality.

<http://tre.ngfl.gov.uk>

### Curriculum Online

The Curriculum Online website offers teachers easy, accurate searching through all the thousands of multimedia resources that schools can buy with e-Learning Credits (eLCs), as well as many resources that are free. All the resources are from reputable suppliers and are aligned with the curriculum taught in schools in England.

<http://www.curriculumonline.gov.uk>

### National Grid for Learning (NGfL)

The NGfL is the gateway to educational resources on the internet. With a network of selected links to websites that offer high-quality content, the NGfL serves everyone interested in education: teachers, learners and those who are supporting them. There are over a thousand sites on the NGfL that have both met Becta's content and technical standards and also follow best practice on internet safety. To make them quick and easy for you to find, the sites are all indexed by the NGfL's powerful search engine.

<http://www.ngfl.gov.uk>

### Inclusion

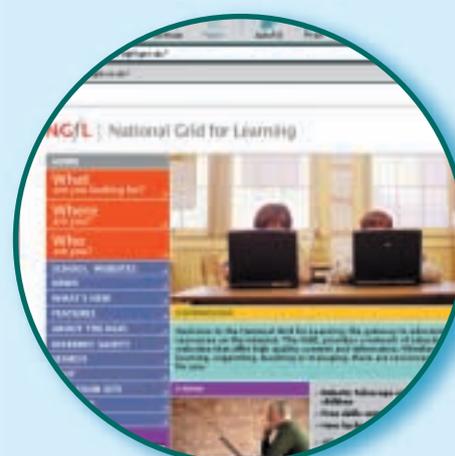
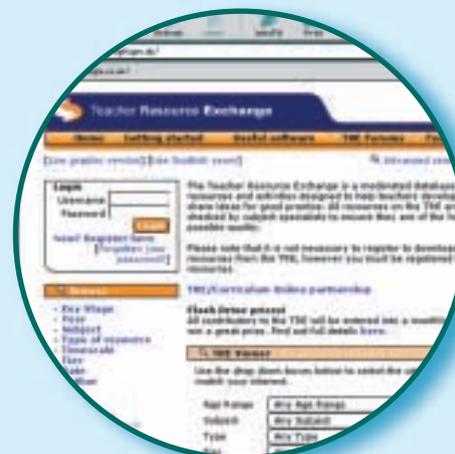
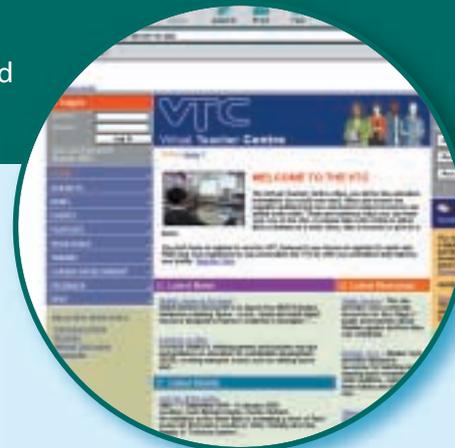
The Inclusion website holds an extensive catalogue of resources to support teaching professionals in meeting students' individual learning needs.

<http://inclusion.ngfl.gov.uk>

### Communication Aids Project (CAP)

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<http://www.becta.org.uk/cap>



## Internet and ICT safety

Keeping up to date with safety on the internet

### Safe use of ICT in education

The Department for Education and Skills (DfES) and Becta publish advice and guidance for schools and local education authorities on all aspects of internet safety through the Superhighway Safety website. This site, which highlights all the key safety issues facing education today, is

continually updated to provide the latest practical information for schools on how to use communication technologies safely.

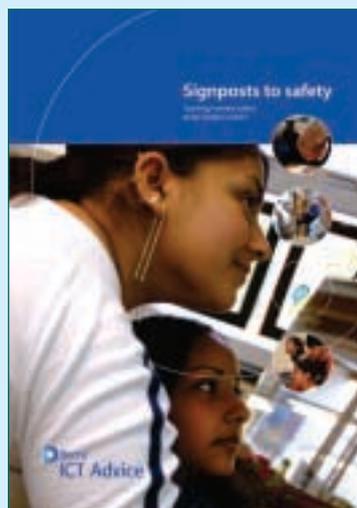
<http://safety.ngfl.gov.uk/schools>



### Signposts to safety

This latest internet safety publication from Becta is aimed at teachers of pupils at Key Stages 3 and 4. Containing background information relating to safety issues, plus advice and guidance for teachers, it signposts appropriate opportunities within the ICT, PSHE and citizenship curricula where internet safety messages can be taught. Additionally, it signposts free online teaching resources from a range of organisations to help support lessons.

Available to order or download from Becta publications [<http://www.becta.org.uk/publications>]



## Electronic publications and events

Inspiration and ideas with a topical perspective

### ICT Advice online e-publications

Along with the ICT Advice Alert, our new magazines – *ICT Advice in Primary* and *ICT Advice in Secondary* – are currently available from Becta. These electronic publications are free, and are published on the ICT Advice website.

<http://www.ictadvice.org.uk/epublications>

#### ICT Advice Alert

This monthly newsletter keeps you up to date with the latest developments from ICT Advice. Subscribers are the first to know what's been published on the ICT Advice website, what the Ask an Expert service has in store, and other news from around Becta and beyond that may interest you. All this is delivered to your email inbox every month, and is also available to view online on ICT Advice.

#### ICT Advice Magazines

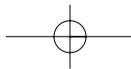
There are two subject-focused magazines – *one for primary and one for secondary* – which bring general news about ICT in education, together with specific features, reviews of useful websites and other resources, and details of relevant events. Each has a section for ICT co-ordinators and others with responsibility for deploying school ICT resources, and the secondary publication has an extra section on the 14–19 curriculum. By subscribing to these termly publications, you will receive an email alert giving an overview of what you can find in the latest issue as soon as it is published.

### Events

Check the Events pages on ICT Advice to keep up to date with conferences, courses, competitions and CPD opportunities around the country.

<http://www.ictadvice.org.uk/events>





## Support services

Get direct support from other teachers, advisers and experts from one of Becta's individual support services.

### Ask an Expert

This service gives teachers the opportunity to put ICT-related questions to an online panel of experts. Each month Ask an Expert hosts new themes that focus on ICT in the curriculum. Experts will be available to answer subject-specific ICT-related questions.

<http://www.ictadvice.org.uk/experts>

### Online communities

Join one of these online communities and share your views, questions and ideas with colleagues from across the UK. Becta manages a number of communities for teachers and other professionals which focus on all aspects of ICT in education.

#### ICT Co-ordinators' Network

This web-based discussion forum provides ICT co-ordinators with a platform to discuss the issues that affect them. It encourages and supports the sharing of ideas, experience and good practice. It also provides a channel for ICT co-ordinators to communicate with Becta and other key organisations.

<http://www.ictadvice.org.uk/thenetwork>

#### Inclusion online communities

Established 10 years ago, Senco-forum supports special educational needs co-ordinators. Since then other communities have been formed to cover other areas, including learners with a wide range of disabilities, children in pupil referral units and those for whom English is an additional language. All Becta's inclusion online communities provide a supportive environment for the peer exchange of advice and information.

<http://www.becta.org.uk/inclusiononlinecommunities>

#### Teachers Online Project discussion forum (top teachers)

Top teachers is an email discussion list where teachers can discuss issues relating to the effective use of ICT in the classroom. Teachers can use it for peer-to-peer support and instant access to colleagues throughout the country to exchange views and share information across all subjects and phases.

<http://lists.becta.org.uk/mailman/listinfo/topteachers>

You can find a full list of online communities of interest to teachers on Becta's ICT Advice website [<http://www.ictadvice.org.uk/talk>]

#### 14-19 e-learning community and news service

The 14-19 e-learning community is a mailing group for the growing community of practitioners, strategic planners and managers who are involved or interested in the use of technology to support the 14-19 agenda. It provides a forum to share ideas, expertise and good practice on the use of technology in 14-19 education, in areas such as collaborative technologies, e-assessment and vocational e-learning content.

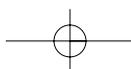
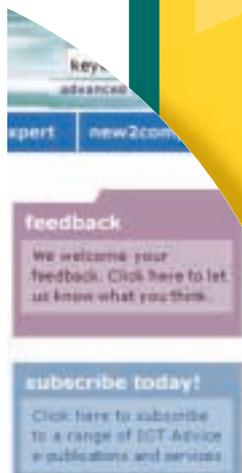
The community benefits from a newsflash service and monthly update, which keeps you up to date with the latest developments, events, websites, 14-19 research.

<http://lists.becta.org.uk/mailman/listinfo/14-19e-learning>

#### Hands-on Support National Online Network

Becta has set up a new online discussion forum for the DfES Hands-on Support project (HOS). The forum is open for anyone involved in HOS such as teachers, school leaders and LEA advisers. As well as providing a general discussion area, the HOS National Online Network features a programme of regular online hotseat sessions. Each session focuses on a different aspect of HOS such as the national perspective, regional implementation and sharing effective practice with colleagues.

<http://www.ictadvice.org.uk/hosnetwork>



# Order form

CD-ROMs can be ordered from the Becta website free of charge. Publications can be ordered free of charge or downloaded if out of stock. To order free printed copies, either fill out this form and send it to the address overleaf or use one of the options below.

**Telephone: 024 7647 6885** (lines open 9:00am to 5:00pm, Monday to Friday) **Fax: 024 7669 5777**

**Online: <http://www.becta.org.uk/publications>**

NAME	REFERENCE	QUANTITIES
A report on the use of information and communications technology (ICT) in art and design	15024	
A report on the use of ICT in PE	<i>coming soon</i>	
CAP it All - BETT 2005 edition	<i>coming soon</i>	
CAP Update 2003 (VHS)	15030	
Digital Alchemy: Using digital video assets across the curriculum (CD-ROM)	15145	
Digital Video Awards 2004	15147	
Effective use of ICT in subject teaching – Secondary (CD-ROM)	<i>coming soon</i>	
Getting the most from your interactive whiteboard: A guide for secondary schools	15091	
How to get your website on the National Grid for Learning	15033	
ICT Advice – Curriculum Online and Electronic Learning Credits	15034	
ICT Advice – Support assistants and ICT	15037	
ICT Advice – What are presentation technologies?	15035	
ICT Advice – Wireless networks	15038	
ICT pedagogy – a review of the research literature	15041	
Making websites work	<i>(only available for download)</i>	
Showcasing excellence in the ICT in Practice Awards	15061	
Signposts to Safety	15274	
The Performance Indicator: What schools think about ICT products, services and suppliers	<i>(only available for download)</i>	
Transforming inclusion: Highlights from the 2004 ICT In Practice Awards	15143	
Transforming learning assistance: Highlights from the 2004 ICT In Practice Awards	15142	
Transforming teaching: Highlights from the 2004 ICT In Practice Awards	15132	
Using technology and e-learning to support the 14–19 agenda	<i>coming soon</i>	
Using web-based resources in secondary design and technology	15246	
Using web-based resources in secondary EAL	15261	
Using web-based resources in secondary English	15247	
Using web-based resources in secondary geography	15248	
Using web-based resources in secondary history	15077	
Using web-based resources in secondary mathematics	15278	
Using web-based resources in secondary music	15249	
Using web-based resources in secondary RE	15250	
Using web-based resources in secondary science	15078	

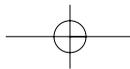
Name: \_\_\_\_\_ Organisation: \_\_\_\_\_

Address: \_\_\_\_\_

Email: \_\_\_\_\_ I obtained this catalogue from: \_\_\_\_\_

Becta may wish in the future to send you information about other Becta activities and services that may be of interest to you. If you would like to receive this, please tick this box.



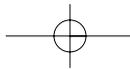


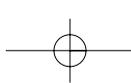
PLEASE  
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British Educational Communications and Technology Agency (Becta),  
Millburn Hill Road, Science Park, Coventry CV4 7JJ





## How to order

CD-ROMs can be ordered from the Becta website free of charge.  
Publications can be ordered free of charge or downloaded if out of stock.

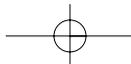
To order free printed copies, either fill out the form enclosed and send it to the address shown or telephone 024 7647 6885 (lines open 9:00am to 5:00pm, Monday to Friday) or order online [<http://www.becta.org.uk/publications>]

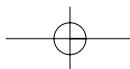


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URL: <http://www.becta.org.uk>





# Secondary teaching

Advice and support services from Becta  
Spring 2005



Applying the power of technology  
to the needs of education

Updated to cover 14–19 provision

