

Support for GCSE ICT 2010

GCSE ICT (full and short course)



OCR. Providing full support for ICT

Our accredited GCSE ICT specification has been developed for first teaching from September 2010 following close consultation with key stakeholders in the ICT teaching community.

We want to provide you with everything you need to make the 2010 changes work for you, so we've carefully shaped our new ICT specification and support materials to help you do this.

You'll be able to pick from a practical toolkit of support, including a guide to controlled assessment, candidate style answers, specimen assessment materials and curriculum planning guidance – all designed to save you preparation time.

SCHEMES OF WORK

Topic outline of what OCR^⅓ can be covered. Sample GCSE Scheme of Work Suggested teaching time. OCR GCSE Information Technology Unit B064: Creative Use of ICT Ideas for teaching and Suggested 20 hours Creating a computer game for the topic of recycling homework activities. Suggested teaching and homework activities **Topic outline** Suggested resources Points to note The game review form specified under suggested resources uses the most usual points of analysis but it is not an exhaustive list of review points

Some suggested websites might be filtered by your network administrator or LA service in which case the use of PC games instead of internet games may be advisable SMABT transets used for sucress criteria. Suggested resources to help Analysis Carry out a review as a class of 1 or 2 different internet games. Game review form.doc
 http://www.yoyogames.com 1 hour Coursework + 1 hour If available review PS2/3, Wii or X Box 360 PC Pro Magazine contains a number of game reviews that can be compared to other type of reviews or tests with teaching. Homework Assessment 1-2 hours There are also a number of gaming magazines that also offer reviews (Depending on ability) Set up assessment of 3 games in controlled conditions (1-2 hours) Analysis Game proposal and description linked to purpose and audience <u>The GameMaker Apprentice</u> has a number of game specifications to use SMART targets used for success criteria must be written in the context of purpose 1 hours Coursework + 1 hour Game requirements form.doc and audience of the game Game requirements: Graphics, Sound, Rooms, Objects and Behaviour Homework Assessment 1-2 hours Game scoring system
Game success criteria including 3 SMART (Depending on ability) Game success criteria incurung a simmani targets
Students are given a range of
multimedia/games products and comment
on how the solution solves the problem or
performs as a product. This may include
commercial/army simulators, advertising
using electronic signage

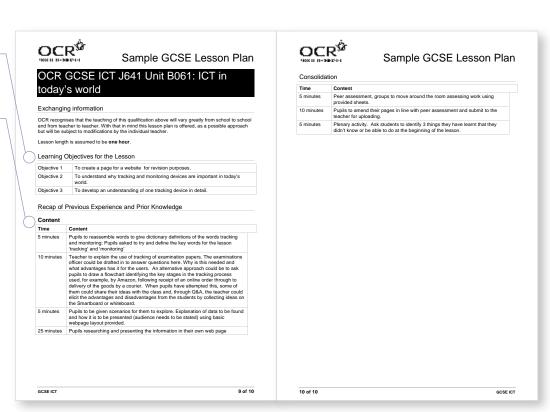
= Innovative teaching idea

GCSE Information Technology

LESSON PLANS

Lesson objectives.

It takes you through the content to be delivered and the time this should take.



= ICT opportunity

5 of 8

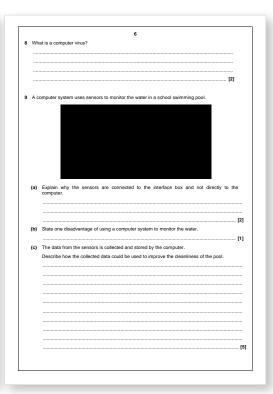


Visit www.ict.myocronline.co.uk to start building your own virtual toolkit of support.

SPECIMEN ASSESSMENT MATERIALS

Shows the layout of our examination papers and the style of questions you can expect to see.





SPECIMEN ASSESSMENT MATERIALS FOR CONTROLLED ASSESSMENT

Shows the layout of our controlled assessment tasks and the style of questions you can expect to see including enquiry questions, key ideas and what you should expect from candidates.

Specimen Task 2

A local agency would like to commission the development of a computer game for teenagers in order to promote one of the following aspects:!

healthy eating

or

recycling.

ou will need

work with others to carry out an investigation to assess the value of computer games which
you feel appeal to a teenage audience.

clearly record and display your findings

recommend a computer game solution which will best promote your chosen aspect

produce a list of success criteria you feel your computer game will need to meet for your target audience and purpose

produce a plan with recommended timescales for producing your game

produce designs of your game

describe how the solution will be tested and user input

produce a game

create levels to move from element to element

show how you have followed your original plan

test your game on others, using a variety of tests and test data

document actions taken following feedback from testing

evaluate your own and others' work



Summary of the Controlled Assessment

Unit B182: Moving forward in leisure and tourism

This unit represents 60% of the total GCSE (Single Award) marks and 30% of the total GCSE (Double Award) marks. It has a maximum of 60 marks.

Candidates will choose one type of leisure and tourism facility from a list of four. They then choose a local facility on which to base their subsequent investigations and complete all the tasks.

Task setting: high level of control in relation to the setting of tasks.

- action planning/write-up: high level of control

Task marking: medium level of control.

Unit B184: Meeting customer needs in the leisure and tourism

This unit represents 30% of the total GCSE (Double Award) marks and has a maximum of 60

Candidates will choose **one customer brief** from a list of six. They will then complete all the tasks.

This unit is internally assessed, applying the principles of Controlled Assessment. Controls are set within the assessment in each of the stages of the assessment process:

Task setting: high level of control in relation to the setting of tasks.

Task taking: this stage is divided into 2 different stages, each with a different level of control:

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Teacher guidance on how to plan Controlled Assessment 3.1 Controlled Assessment delivery flow chart OCR sets contexts for centres to Candidate Work in Progress Task induction Candidate Work in Progress Candidate Produces Out for Assessment Teacher Assessment and Submission to OCR for Moderation by specified deadlines

Image for illustrative purposes only

GUIDE TO CONTROLLED **ASSESSMENT**

Shows how to plan for controlled assessment.

When and how to give controlled assessment tasks to learners.

Teacher guidance on task marking.

Candidate guidelines.

Candidate Style Answers/Exemplar Candidate Work

In order to inform teachers' understanding of what examiners are looking for in candidate answers, OCR will be producing candidate style answers (CSAs) as part of our support offering

Written by subject specialists and upported by expert commentary, the content will fill the gap between first teaching and the availability of actual moderated candidate work from examination sessions. As the CSAs have not undergone the full moderation process and there is no single way of achieving a given grade, we have not graded the CSAs but banded the responses as either "medium ranking" or "high ranking".

This material will be published on our website and included in our INSET events

The material below is an example of a high ranking response.

NAMING CELL RANGES
I needed to name some cell ranges so that I could use them in VLOOKUP functions—
this is easier than using absolute cell references and I can use a named range
more than once. I named the cells in the Database of Customers as
VENUE_DETAILS.



I named the cells in the Expenditure sheet EXPENDITURE.

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I named the cells in the Database of Bands sheet as BAND_FEES



For each range of cells, the software automatically knows how many columns of data there are and will number them from 1 onwards. So if I need a value in column 10 of a named range, then I use this in my VLOOKUP function.

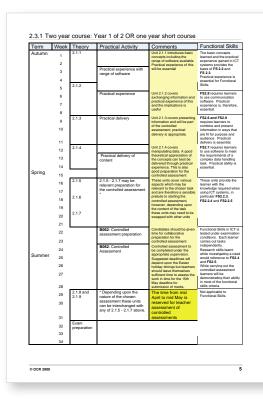
CANDIDATE STYLE ANSWERS

In order to inform your understanding of what examiners are looking for in candidate answers, we are producing candidate style answers (CSAs) as part of our support offering.

GCSE ICT AND FUNCTIONAL SKILLS – CURRICULUM GUIDANCE

Aimed at heads of department and teachers.

Provides general background information, guidance and a range of possible models to deliver GCSE ICT and functional skills across your school's curriculum.



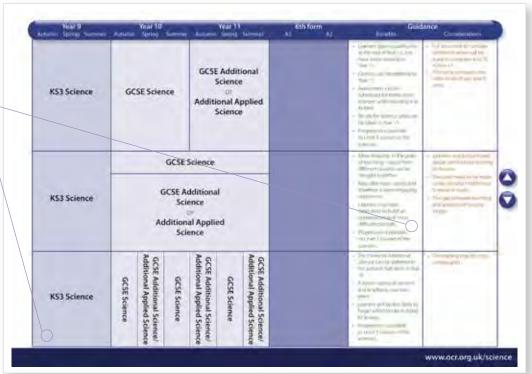
Term	Week	Theory	Practical Activity	Comments	Functional Skills
Spring	1	2.3.1		B063 is based around pre release material and	Functional Skills is about the use of ICT in everyday
	,		Practical experience of	teaching should focus on	situations at work, study or
	-		software appropriate to the teacher release	application of the general concepts to the chosen	life in general. The level of knowledge required in
	3	232		area. This unit covers networking	the GCSE far exceeds the demands of the Functional
	4	2.3.2		concepts	Skills. However, Level 2 learners
	5				are expected to demonstrate their use of
	6	2.3.3		Unit 2.3.3 Covers Information Knowledge	ICT to solve complex problems in unfamiliar and
	7	2.3.4	Practical delivery using ideas for controlled assessment	Based systems	non-routine situations. The analysis of the use of
	8		tasks as a basis for project development concepts.	This is a good time to introduce the final	ICT in context would
	9			controlled assessment so students can think about	assist learners to transfer their ICT skills to a range
	10	2.3.5	Exchanging information is a	possible routes they might	of situations.
	10		key concept and candidates should have experience using	take.	FS2.8 requires learners to
	11		suitable applications		use communicational software
	12	2.3.6	Alongside these key theoretic concepts it is time to plan for	Units 2.3.6 and 2.3.7 have been introduced in B061	As in B061 the skills required in presenting and
	13		the final controlled	but students need to be	manipulating data reference to FS2.6. FS2.7
	14	2.3.7	those skills that will be	used in the area covered by the pre release material	and FS2.9.
	15		chosen task. Introduce the	by the pre release material	1
			Key preparation time for the	Once again it is important	
	16		controlled assessment unit to develop skills in the chosen	the legal and social etc and data security are discussed	
	17	238	area, Multi Media, Game writing or Computer	with reference to the area covered by the pre release.	
	18	2.3.0	programming.		
	19	239			
	20	2.3.9			
	21				
	22		B064/B065: Controlled assessment preparation	Candidates should be given time for collaborative	No explicit evidence of planning is required for
	23			preparation for the controlled assessment	Functional Skills, however, the skill of analysing how
	24		B064/B065: Controlled Assessment	Controlled assessment to be completed under the	ICT can be used to solve a complex task is
	25		Compositives.	appropriate supervision. Suggested deadlines will	essential (FS2.1 and FS2.2)
	26		1	depend upon the Easter holiday timings but	The skill of evaluating the use of ICT is also
	20		1	teachers should leave	important (FS2.10) The level of analysis required
	27			themselves sufficient time to assess the work in time	for the GCSE far exceeds
	28			for the 15th May deadline for submission of marks.	Functional Skill.
	29	2.3.10		The time from mid April to mid May is	
	30		1	reserved for teacher	
		Exam		assessment of controlled	
	31	preparation		assessments	
	32				
	33				
	34				

GUIDE TO CURRICULUM PLANNING

Outlines possible pathways you could use at your school between Years 9 and 13.

Shows guidance and benefits to each pathway.

Shows how you can use different pathways simultaneously.







Visit www.ict.myocronline.co.uk to start building your own virtual



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A helpful guide to accompany the specification; this includes subject specific guidance, information about functionality within GCSE, an overview of our support and frequently asked questions.

Subject specific guidance.

Resource list.

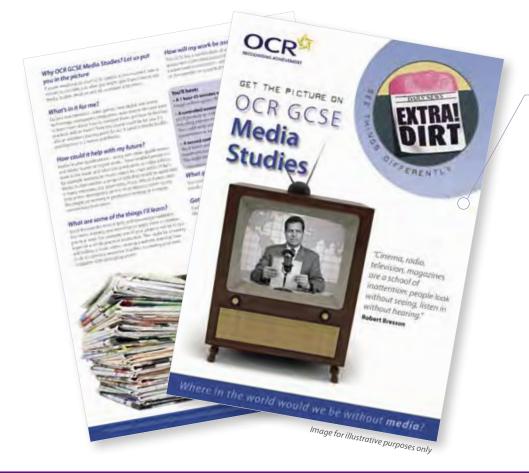
Publisher partner resources.

Frequently asked questions.

And other forms of support.

OPTION EVENING LEAFLET

Provides a tool to use with parents and learners to highlight the benefits of the course.





We're here to help you with specialist advice, guidance and support for those times when you simply need a more individual service. You can call our dedicated subject specialist support team if you have any queries relating to ICT 2010 qualifications on

0300 500 4848 or email ict@ocr.org.uk

www.ocr.org.uk

OCR customer contact centre

Vocational qualifications Telephone 024 76 851509

Facsimile 024 76 851633

 $Email\ vocational. qualifications @ocr.org.uk$

General qualifications

Telephone 01223 553998 Facsimile 01223 552627

Email general.qualifications@ocr.org.uk

For staff training purposes and as part of our quality assurance programme your call may be recorded or monitored.

The support offerings referred to in this leaflet are for illustrative purposes only, therefore the layout and content of the final support material may differ from that shown.

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