OCR
RECOGNISING ACHIEVEMENT

ADVANCED GCE

APPLIED INFORMATION AND COMMUNICATION TECHNOLOGY

G048/IT

UNIT 9: Working to a brief

INSTRUCTIONS FOR TEACHERS

JANUARY AND JUNE 2010

To be opened on receipt

OCE/17362

TIME

- There are no time limitations on the tasks other than the brief cannot be issued to candidates until September 2009 and that the response to the brief must be submitted by the appropriate internal deadline set by the candidates' Centre. This deadline will reflect the need for the Centre to complete marking of the tasks and submission of marks to OCR by either 10 January or 15 May 2010.

INFORMATION FOR CANDIDATES

- The total number of marks available for the paper is **50**.
- There are no restrictions on computing facilities, hardware or software that may be used.
- You must set an internal deadline for candidates to complete and submit their preparatory work and outcome(s). This must allow time for marking the work, using the Assessment Evidence Grid on pages 185–187 of the specification, before the deadline set by OCR.
- All preparatory work and the outcome(s) must be the candidates' own work.
- This document consists of **4** pages. Any blank pages are indicated.

© OCR 2010 [M/102/6815]

OCR is an exempt Charity

INSTRUCTIONS FOR TEACHERS – 2010

Each of the following briefs has been written so that it may be completed alongside the Advanced GCE optional unit to which it relates, should Centres wish to do so. There is no requirement that Centres adopt this practice. Where they do so, it is the Centre's responsibility to ensure that the requirements of the related Advanced GCE unit are covered.

Candidates must research and develop one of these briefs. Only responses to the briefs as set will be accepted. **No marks can be awarded** for work in response to any other brief.

Whichever brief is chosen, candidates will need to report on current working practices. This may be based on actual working practices or an existing solution to a similar problem. If, as a teacher, you are playing the role of the client for the candidates then you will need to identify the working practices within the organisation.

For assessment of this unit, each candidate must produce evidence which includes:

- a preparatory report into current working practice
- a project plan in response to the set brief
- a diary or log of work completed
- support materials for use with the project
- an evaluation of their performance in relation to planning the project
- an evaluation of their performance in implementing the project
- an evaluation of their ICT solution to the given brief.

A project management plan will help candidates to organise their time efficiently. As a guide, the minimum requirements for the project management plan would include:

- key dates, deadlines and timescales
- how work may be managed in small sections or tasks
- organisation of information and resources
- time for reviews and modifications
- time for evaluation.

Full planning is vital to the success of the project. Full planning will also allow the candidates to evaluate their work more effectively. There must be clear evidence of planning **before** the project is started.

As well as planning their work in full, candidates must complete a diary or log whilst they are working on the project. This diary or log should include:

- a full list of all tasks undertaken as part of the delivery of the project
- an assessment of their contribution to the success of the task
- the skills used in meeting the requirement of the task
- an assessment of how their skills were extended to meet the requirements of the task – the discussion of their skills will need to include their use of working with others as well as ICT skills.

Candidates will need to produce supporting materials for the project. These may take any form, and the ultimate decision about what support materials the project needs is for the candidate to decide. **Candidates must provide clear evidence that they have developed and extended their range of ICT skills in producing these support materials.**

Once each candidate has completed the project, they will need to report on how well the project ran, what were its strengths and weaknesses and how well they worked with others. Their report should also suggest improvements to the project. Each candidate should collect feedback from users in order to allow them to make informed comments about their project and the role that they played.

© OCR 2010

At the end of the unit, each candidate must hand in:

- their report on current working practices
- their project plan
- their diary or log
- support materials
- their evaluation reports.

Briefs

Each brief may be carried out by candidates working on their own or as part of a team. Where candidates are working on their own the focus of 'working with others' becomes the clients or end users of the product. Where candidates are working as a team member the focus may also include other members of the team.

Candidates **must** develop a solution to **one** of the following briefs.

Brief 1

You have been asked by a nutritionist to produce a model, using a spreadsheet, to help those wishing to plan their daily and weekly calorie intake. Your model should allow the nutritionist to target the recommended weekly intake based on a client's gender and age. Each week starts on a Sunday.

The model will be used by the client to record the food and drink they have consumed each day. This information will then be used by the model to calculate the remaining calories for the week and then suggest meals for the rest of the week so that the client may achieve the recommended target set by the nutritionist.

The calorie intake for each day of the seven day period should also be presented graphically along with the average daily intake, as recommended by the nutritionist, for comparison.

Your model must include the option to restrict the meals suggested to suit a meat-free diet.

Your model should include the calorific content of 21 meals and a range of drinks.

This task may be completed in conjunction with Unit 10: Numerical modelling using spreadsheets.

Brief 2

Klassy Karaoke Limited is a multimedia publishing company that produces interactive karaoke products. Each product includes three songs. The product is divided into three main sections; one for each song. Within each main section, there are two subsections. One subsection plays the song with no words displayed. The second subsection plays the song with the words displayed on screen line by line in time with the song.

You have been asked to create a sample multimedia product that includes three songs, each with the standard two subsections.

The completed multimedia product will need to include a navigation system that will allow the user to select the specific song they wish to practise, as well as the subsection they wish to use. There should also be the facility for the user to select a section of the song, or to play the whole song from the beginning.

You will need to include suitable images, video and animation to enhance the impact of the product.

This task may be completed in conjunction with Unit 11: Interactive multimedia products.

© OCR 2010

Brief 3

EDN Publications produces a series of survival guides. Each title deals with four everyday tasks based around a theme.

You have been asked to produce a survival guide for students. This publication will cover how to apply for a passport and how to apply for a driving licence, as well as two further tasks of a similar nature which you may choose.

Editorial policy is that each section of your guide should include an introduction to the task, a step-by-step guide, including relevant graphics and what happens next, including timescales.

This task may be completed in conjunction with Unit 12: Publishing.

Brief 4

Tom Wild Computers is a business that specialises in producing a range of themed Graphical User Interfaces (GUI).

You work for Tom Wild Computers and have been asked to design and develop a GUI on a theme of your own choice.

You must:

- decide on a theme
- design a range of suitable icons, backgrounds and mouse pointers
- use graphics software to implement your designs.

This task may be completed in conjunction with Unit 13: Artwork and imaging.

Brief 5

My Fellow Europeans is an organisation that specialises in raising awareness of countries in the European Union amongst children between the ages of 11 and 16. The organisation focuses on the cultures, traditions and history of each country.

You have been asked to produce a non-linear website focussing on the culinary traditions in three European Union countries of your choice.

This task may be completed in conjunction with Unit 14: Developing and creating websites.

OCR
RECOGNISING ACHIEVEMENT

Copyright Information

OCR is committed to seeking permission to reproduce all third-party content that it uses in its assessment materials. OCR has attempted to identify and contact all copyright holders whose work is used in this paper. To avoid the issue of disclosure of answer-related information to candidates, all copyright acknowledgements are reproduced in the OCR Copyright Acknowledgements Booklet. This is produced for each series of examinations, is given to all schools that receive assessment material and is freely available to download from our public website (www.ocr.org.uk) after the live examination series.

If OCR has unwittingly failed to correctly acknowledge or clear any third-party content in this assessment material, OCR will be happy to correct its mistake at the earliest possible opportunity.

For queries or further information please contact the Copyright Team, First Floor, 9 Hills Road, Cambridge CB2 1GE.

OCR is part of the Cambridge Assessment Group; Cambridge Assessment is the brand name of University of Cambridge Local Examinations Syndicate (UCLES), which is itself a department of the University of Cambridge.

© OCR 2010