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**A2 GCE APPLIED INFORMATION AND COMMUNICATION
TECHNOLOGY**

G048/IC Working to a brief

INSTRUCTIONS FOR CANDIDATES

For assessment submission

JUNE 2015



TIME

- These briefs are only valid for submission of marks to OCR in May 2015.

INSTRUCTIONS TO CANDIDATES

- You must use this booklet for guidance throughout your work for this unit.
- You must complete your project by the date set by your teacher.
- You must submit all your preparatory work with your solution to the brief.
- **All work submitted for assessment must be your own work.** You must read the Notice to Candidates on page 2 overleaf before you start your project. Where you have worked as part of a team you must clearly identify your individual contribution to the project.

INFORMATION FOR CANDIDATES

- The total number of marks available for the paper is **50**.
- You may start your preparatory work as soon as you receive this paper.
- There are no restrictions on computing facilities, hardware or software that may be used.
- This document consists of **8** pages. Any blank pages are indicated.

It is important that you discuss with your teacher anything that you do not understand.

NOTICE TO CANDIDATES

The work you submit for assessment must be your own.

If you copy from someone else or allow another candidate to copy from you, or if you cheat in any other way, you may be **disqualified** from at least the subject concerned.

Any materials (eg books, information from the internet you have used to help complete this work) must be clearly acknowledged in the work itself.

- You must always keep your coursework secure and confidential whilst you are preparing it. **If it is stored on the computer network, keep your password secure. When printing work, collect all copies from the printer and destroy those you don't need.**
- When you hand in your coursework for assessment, you will be required to sign that you have understood and followed the coursework and portfolio regulations.

ALWAYS REMEMBER

YOUR WORK MUST BE YOUR OWN

INSTRUCTIONS FOR CANDIDATES

Each of the following briefs has been written so that it may be completed alongside the Advanced GCE optional unit to which it relates.

Only responses to the briefs as set will be accepted. **No marks will be awarded** for work in response to any other brief.

Read the briefs in this booklet. You must research and develop **one** of these briefs.

For assessment of this unit, you must produce evidence which **must** include:

- 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 your performance in relation to planning the project
- an evaluation of your performance in implementing the project
- an evaluation of your ICT solution to the given brief.

Whichever brief you choose, you will need to report on current working practices. Before you plan the structure and content of your project you will need to carry out some research into working practices within the organisation. This research should enable you to plan a solution that works smoothly and with minimum disruption.

A project management plan will help you to organise your time efficiently. As a guide, the minimum requirements for the project management plan should 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 you to evaluate your work more effectively. There must be clear evidence of planning **before** you start your project.

While you are working on the project you must complete a diary or log. This diary or log should include:

- a full list of all tasks undertaken as part of the delivery of the project
- an assessment of your contribution to the success of the task
- the skills used in meeting the requirement of the task
- an assessment of how your skills needed to extend to meet the needs of the task – your discussion of your skills needs to include your use of working with others as well as ICT skills.

You will need to produce supporting materials. These may take any form, and the ultimate decision about what support materials your project needs is for you to decide.

Once you have completed the project, you will need to report on how well the project ran, what were its strengths and weaknesses and how well you worked with others. You should also suggest improvements to the project. You should collect feedback from users and the client in order to allow you to make informed comments about your project and the role that you played.

At the end of the unit, you must hand in:

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

Make sure that all your work has your name, candidate number and centre number on each page.

Briefs

You may carry out the brief by working on your own or as part of a team. Where you are working on your own the focus of 'working with others' becomes the clients or end users of the product. Where you are working as a team member the focus may also include other members of the team.

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

Brief 1

Yolo Car Rentals Ltd is a car rental firm that specialises in renting family cars. The company only rents two types of car. These are the Minerva, which is a mid-sized family car and the Monaco, which is a smaller family car.

Customers have complained that they are not sure which car best suits their needs and so Yolo Car Rentals Ltd would like a model that would allow customers to make an informed decision.

Create a model that will allow customers to:

- identify their required rental package (half day, full day or multiple days)
- enter the total distance for their journey
- enter the proportion of their journey that will be:
 - town driving
 - motorway driving
 - rural driving
- enter the price per litre of petrol
- enter a target budget for rental.

Your completed spreadsheet model should be able to use this information to:

- calculate the total cost by combining together the total cost of petrol for the journey and the rental cost, so that customers can compare the costs of renting the Minerva or the Monaco
- use all data entered, as well as the rental budget, to identify the more appropriate of the two options to the customer.

The table below shows information that Yolo Car Rentals Ltd would like you to include in the model.

Car type	Rental costs			Miles per litre		
	Half day	Full day	Multiple days (per day)	Town	Motorway	Rural
Minerva	£58	£90	£85	10	17	12.2
Monaco	£40	£75	£72	13	14.2	15.3

This task may be completed in conjunction with Unit G049: Numerical modelling using spreadsheets.

Brief 2

You have been asked to create an 'Escape the room' game that will be part of a series of games that will help students to revise for GCSE examinations. Each game will allow students to follow clues and pick up items if they correctly answer questions based on subject content. Only by picking up all items in a room would students be able to progress to the next room.

Each room should have between seven and ten questions.

Each game will have a total of three rooms, through which students will need to move in order to complete the game. The questions asked in each room will be more complicated than the questions asked in the previous room. Once students complete the final room, they should be presented with a completion certificate which they can print, should they want to.

This task may be completed in conjunction with Unit G050: Interactive multimedia products.

Brief 3

Vogel Supermarkets is a chain of discount supermarkets that sells food and other household goods. Each month, the chain has special offers that focus on one theme. Previous themes have included camping and horse riding.

The chain publishes a monthly, twelve-page newsletter that highlights the next month's theme and associated special offers. Each newsletter also includes recipes and other articles.

You have been asked to create a suitable newsletter that will highlight the forthcoming 'summer sports' theme.

This task may be completed in conjunction with Unit G051: Publishing.

Brief 4

STB Books is a newly established business that intends to publish educational books. Its first series of books will be called the MES Series and be aimed at students between the ages of 11 and 14. The series will cover Maths, English and Science.

Currently, the business has no artwork to use in the books.

You have been asked to create the following:

- a suitable logo that the business can use on all its publications
- graphics that may be used throughout the MES series. These graphics will not be subject specific, but rather should create a common theme across all books in the series.

You must create 15 different graphics for use in the first series of books.

This task may be completed in conjunction with Unit G052: Artwork and imaging.

Brief 5

The Little Theatre has asked you to create a prototype for a website that will publicise the theatre and forthcoming plays. The website will allow customers to book seats and ask for further information.

The Little Theatre would like the website to include:

- information about the next play to be staged at the theatre, including descriptions of the main actors
- recommendations, interviews and sound bites from customers who have enjoyed previous shows
- a means by which customers can find out the location of the theatre.

This task may be completed in conjunction with Unit G053: Developing and creating websites.

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