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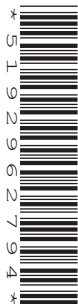
**A2 GCE APPLIED INFORMATION AND COMMUNICATION
TECHNOLOGY**

G048/IT Working to a brief

INSTRUCTIONS FOR TEACHERS

For assessment submission

JUNE 2017



INSTRUCTIONS FOR TEACHERS

- This brief should be issued to candidates at the start of the course.
- There are no time limitations on candidates completing the tasks but you must set an internal deadline for candidates to complete and submit their work. This deadline must allow time for marking the work and submission of marks to OCR by 15 May 2017.
- **All work must be the candidates' own work.**
 - Candidates must be made aware of the Notice to Candidates on page 2 of the G048 Instructions for candidates. A copy of this notice is reproduced overleaf for reference.
 - You must be able to verify that a candidate's work submitted for assessment is their own work. Sufficient work must be carried out under direct supervision to allow authentication of coursework marks with confidence.

INFORMATION FOR TEACHERS

- **Work completed to this brief can only be submitted in the June 2017 series.**
- 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.
- The work must be marked, using the Assessment Evidence Grid on pages 180–182 of the specification.
- This document consists of **8** pages. Any blank pages are indicated.

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 that 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 while you are preparing it. **If it is stored on a 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 TEACHERS – 2017

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.

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 **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 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 while 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 requirements 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 it is for the candidate to decide what support materials the project needs.

Once each candidate has completed the project, they will need to report on how well the project ran, what its strengths and weaknesses were 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.

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 to create a prototype of a spreadsheet model that allows customers to plan their train journeys. The spreadsheet model should allow customers to choose a route between two locations based on:

- the start and end points of the journey
- their required start time for the journey
- the number of changes from one train to another that need to be made for the journey
- whether or not the train includes a buffet car
- the cost of the journey.

Create a spreadsheet model that will allow customers to:

- enter the start and end points of their journey
- enter the start time for their journey
- enter their budget for the journey
- state whether they require a buffet car
- modify their criteria to widen the results of the search
- select a train that suits their needs.

As this is a prototype, your spreadsheet model should be based on a sample network of five stations, with a representative sample of possible journeys. Your network should include a hub station, so that changes will need to be made between one train and another.

Your completed spreadsheet model should be able to use the information entered by the customer to present the customer with:

- **one** train journey that best suits the variables they entered
- information about other journeys which match the majority of the customer's needs.

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

Brief 2

Home Energy Sense Partnership provides information and advice on energy efficiency to home owners. You have been asked to create a prototype of a multimedia product that will be given to home owners. The product will allow home owners to investigate and change their energy use.

The multimedia product will be presented as a cut-away, side-on view of a two-storey home. Users will be able to click on elements, such as windows, doors, radiators and electrical devices, to get advice on how these can be made more energy efficient. The advice will be provided by text and by voice. More complicated concepts may also be explained using video.

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

Brief 3

Go Wide Travel Books Ltd. publishes tourist guide books about tourist attractions in different countries. The standard format of the books is to have a two-page spread for each featured tourist attraction. Each two-page spread has the name of the tourist attraction, with a one sentence main description, and a large image or composite image as the background. Text boxes are placed over the image to include information about the area. Smaller images are also used on the page to provide more information.

You have been asked to create **four** two-page sections for a book on the UK. One section should be on a tourist attraction in your own local area. The others should be on tourist attractions from across the UK. You may focus on tourist attractions of your choice.

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

Brief 4

Small Books Publishing Ltd. specialises in selling books by new authors. You have been asked to produce artwork for four specific books that will be published within the next year. None of the authors are known to the public.

The artwork must include:

- an image to go on the front cover of the book
- a different image to go on the rear cover of the book
- a version of the front cover image to go on the spine of the book
- a representation of the name of the book
- an image of the author.

In all cases, the artwork produced must suit the genre and nature of the story and its audience.

The four books for which you have been asked to produce artwork are:

‘A tale of nine men and two horses’ by James Crabbe. This is a swashbuckling story set in 17th Century Cornwall. The dark-haired hero, Jerome Trewalker, has to battle pirates, smugglers and his own family to regain his fortune.

‘A home for the brave’ by James Crabbe. This is the second story in the Jerome Trewalker series. Set immediately after the thrilling end to ‘A tale of nine men and two horses’, Jerome finds that all is not well when he returns home. His thrilling journey to Paris to meet the mysterious Captain Brock is just one challenge he has to face in this page-turning thriller.

‘The naughty fly did it’ by Tessa Thomas. Tessa’s first book is the story of a small girl called Jasmine who is always in trouble but always uses the excuse that ‘the naughty fly did it’. This book is aimed at children between 5 and 8 years old.

‘We are all looking out of shutters’ by Noah Jacques. This novel is aimed at a mainly teenage audience. It is the story of a young girl called Jen and her journey from her upbringing in a small town in Kent to her new life in a large, metropolitan, American city. In the story, Jen suffers heartache and challenges but ultimately succeeds.

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

Brief 5

Arches Clothing Supplies is a clothing company that offers a bespoke tailoring service for men and women. The company has three shops in the north of England. Customers who visit one of the shops can have a 30 minute consultation. During the consultation they are measured and given advice on the style of clothes that would be best for them. The customer then chooses the design and fabric for the garment they want made. After the consultation the company makes the garments to fit the customer’s measurements.

Arches Clothing Supplies would like a website that will:

- advertise the company
- provide information on the range of services the company provides
- allow customers to request an appointment for a measurement and advice consultation.

You have been asked to create a prototype website for Arches Clothing Supplies.

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

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