

Cambridge International AS & A Level

INFORMATION TECHNOLOGY**9626/02**

Paper 2 Practical

May/June 2026**2 hours 30 minutes**

You will need: Candidate source files (listed on page 2)

INSTRUCTIONS

- Carry out every instruction in each task.
- Save your work using the file names given in the task as and when instructed.
- You must **not** have access to either the internet or any email system during this examination.
- You must save your work in the correct file format as stated in the tasks. If work is saved in an incorrect file format, you will **not** receive marks for that task.

INFORMATION

- The total mark for this paper is 90.
- The number of marks for each question or part question is shown in brackets [].

This document has **8** pages. Any blank pages are indicated.

You have been supplied with the following source files:

j26audio.mp3
j26bg.png
j26data.csv
j26video.mp4
j26WordQuest.csv

You must use the most efficient method to solve each task. All work produced must be of a professional standard.

You will edit a short video showing how a new word game is played. All text must be displayed in a consistent sans-serif font. Do **not** use transitions unless instructed to do so. The video clip was recorded by GBRvideo and the audio was recorded by Karla Marie.

- 1 Open your video editing software and set the aspect ratio to 16:9.

Open and examine the video file **j26video.mp4**

Trim this video clip so that it starts after 4 seconds.

Remove the end of this clip so that only 43 seconds remain.

Export your video clip with the same resolution as the original file in **.mp4** format with the file name **Video1**_centre number_candidate number

For example, Video1_ZZ999_9999

Set the clip so that it runs at 1.25 times the original speed.

Export your video clip with the same resolution as the original file in **.mp4** format with the file name **Video2**_centre number_candidate number

For example, Video2_ZZ999_9999

Open the file **j26bg.png** in your image editing software. Resize this image, without cropping, so that it matches the frame width and height of the video clip.

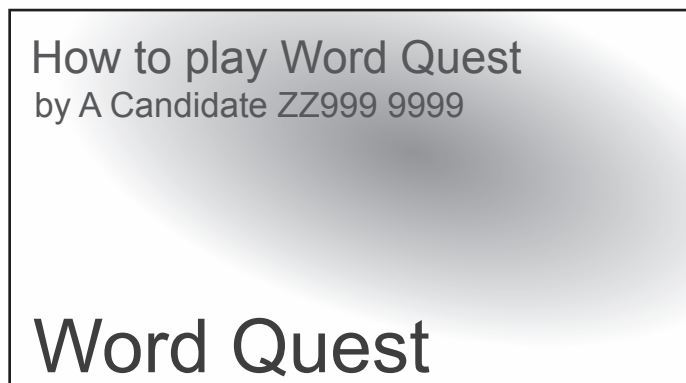
Save this image as **bg.png**

[8]

2 Create a video clip to match this storyboard.

Time 0 seconds:

- Place the image **bg.png** as a background and this title in red at the top left of the screen like this:



- Make sure that your name and candidate details replace the text *A Candidate ZZ999 9999*

Time 5 seconds:

- Background with blue text remains but the red text is removed.

Time 7 seconds:

- Background with blue text remains with the text **Find words within a word** placed in the top left of the screen and formatted in the same style as the title.

Time 12 seconds:

- Use a transition into the video file *Video2_* you saved in step 1.

End of video clip:

- Take a still image from the final frame of the clip and display this image for 4 seconds.
- After 4 seconds set a transition into the image **bg.png** you saved in step 1.
- Use this image as a background for the credits.
- Display appropriate credits to scroll up the screen. Include the text **Video edited by:** with your name, centre number, and candidate number.

[19]

- 3 Open the file **j26audio.mp3** in a suitable audio editing package.

Add reverb to the clip so that it sounds like the voice is echoing in a room.

Lengthen this clip so that the voice starts after 7.5 seconds.

Add this edited voice clip to the video so that this clip starts at 0 seconds.

Export your video clip in **.mp4** format with the file name **WQvideo**_centre number_candidate number

For example, WQvideo_ZZ999_9999

[4]

You will create a game where a user tries to find a word hidden within another word. This will be created in a spreadsheet application using 2 sheets in a single workbook.

A question will be selected by the user, the spreadsheet will display a word and the user will enter a word they find within it. The spreadsheet will tell you whether it is correct or not.

All formulas must allow for the number of questions to be increased.

- 4 Open and examine the file **j26WordQuest.csv**

Name this worksheet as **WordQuest**

Save the workbook as a spreadsheet using the file name **WQ**_centre number_candidate number

For example, WQ_ZZ999_9999

Examine and insert the data from the file **j26data.csv** as a new worksheet within the workbook.

Name this worksheet **Data**

In the *Data* worksheet delete row 1.

In the *WordQuest* sheet, enter into cell B1 a function to count the number of words in column B of the *Data* worksheet. The number of words in this sheet will change as new words are added.

Save your workbook.

[7]

- 5 In the *WordQuest* sheet, restrict the data entry for cell B2, so it can only contain the text in column A in the *Data* worksheet. Users must be able to select a question from a drop-down menu and this must work when more questions are added. [4]

- 6 Place in cell B4 a formula to automatically display the word shown in column B of the data worksheet for the question selected by the user.

Edit this formula so that if a word cannot be located, no error message is displayed.

[6]

The user types in cell B6 a word they think is contained in the word displayed in B4. This is checked by the computer to see if it is present and a message is displayed. To locate the word entered by the user in the data we will identify the row number and column number of the word in the data if it exists.

- 7 Place in cell B8 a function to identify the row number of the word displayed in the question.

Edit this formula so that if the word cannot be located, zero (0) is displayed. [6]

- 8 Place in cell B9 a formula to identify the column number of the word you entered as your answer.

You may wish to use the INDIRECT function to help with this.

The INDIRECT function turns a text string into a formula. If the cell A1 contains the text SUM(A2:A4) and you use the function INDIRECT(A1) the current cell will hold the answer to the sum of A2, A3 and A4.

Edit this formula so that if the word entered by the user cannot be located, zero (0) is displayed. [18]

- 9 Place in cell B11 a formula to display the text **Correct** if the word is correct (i.e. matches one of the answers for this word from the data) or to display the words **Incorrect, try again** if this word does not match one of the answers.

Make sure that if cell B6 is blank then this cell is also blank. [6]

- 10 Format cells B4, B6 and B11 so that they are in a 24-point font. Format the spreadsheet so that it looks like this.

	A	B
1	Number of questions available:	9
2	Question number:	Question 7
3		
4	The word chosen for you is:	many
5		
6	Your answer is:	myn
7		
8	Row number:	7
9	Column number:	0
10		
11	You are:	Incorrect, try again

[5]

- 11 Format the *WordQuest* sheet so that if cell B11 indicates that the word is:

- correct, then cell B6 displays the word in black text on a green background
- incorrect, then cell B6 displays the word in white text on a red background.

Save your workbook.

[7]

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