



# Cambridge IGCSE™

## INFORMATION AND COMMUNICATION TECHNOLOGY

0417/32

Paper 3 Spreadsheets and Website Authoring

May/June 2024

2 hours 15 minutes

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

### INSTRUCTIONS

- Carry out **all** instructions in each step.
- Enter your name, centre number and candidate number on every printout before it is sent to the printer.
- Printouts with handwritten candidate details will **not** be marked.
- At the end of the examination, put all your printouts into the Assessment Record Folder.
- If you have produced rough copies of printouts, put a cross through each one to indicate that it is **not** the copy to be marked.
- You must **not** have access to either the internet or any email system during this examination.

### INFORMATION

- The total mark for this paper is 70.
- 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:

j32banner.jpg  
j32contact.jpg  
j32feed.mp4  
j32giraffe.csv  
j32logo.png  
j32sightings.csv  
j32text.txt  
j32web.css  
j32what.htm  
j32what.jpg

*Giraffes are endangered species only found in parts of Africa. You will analyse data on giraffes that have been rescued, tagged and returned to the wild.*

### Task 1 – Evidence Document

Create a new word-processed document.

Make sure your name, centre number and candidate number will appear on every page of this document.

Save this document in your work area as **j32evidence\_** followed by your centre number\_candidate number, for example j32evidence\_ZZ999\_9999

You will use this as your Evidence Document during the examination.

## Task 2 – Spreadsheet

- 1 Open and examine the file **j32giraffe.csv**

This file will be used in steps 2 and 3. Do **not** make any changes to this file.

Open and examine the file **j32sightings.csv**

Save the file *j32sightings.csv* as a spreadsheet with the filename **Giraffe\_** followed by your centre number\_candidate number, for example Giraffe\_ZZ999\_9999

*Rows 7 to 25 will show the number of sightings of the tagged giraffes in each country for one week in February. Rows 28 onwards show the details of all sightings for this week.*

Place your name, centre number and candidate number centre aligned in the header.

Place the text **Created on** followed by a space, the automated date, a space, then the text **at** followed by a space, then the automated time in the footer.

[3]

- 2 Place a replicable formula in cell D28 to look up the species, using the code and the external file *j32giraffe.csv* for the array. [6]

- 3 Place a replicable formula in cell F28 to look up the status, using the code and the external file *j32giraffe.csv* for the array. [1]

- 4 Replicate the formulae entered in steps 2 and 3 for all sightings. [1]

- 5 Place in cell B3 a formula to count the total number of sightings for this 7 day period. [2]

- 6 Place in cell B4 a formula to count the total number of sightings for this 7 day period where a photograph of a critically endangered species was taken. [5]

- 7 Insert a new row between rows 5 and 6.

Place in cell A6 the text **Critically endangered**

[2]

- 8 Place a replicable formula in cell B8 to display the number of sightings of a critically endangered species in this country.

Replicate this formula for each country.

[8]

- 9 Format the top of your spreadsheet so that it looks like this:

	A	B
1	<b>Tagged giraffe sightings</b>	
2		
3	Number of sightings in 7 day period	70
4	Number of critically endangered sightings with photograph	12
5		
6	<b>Critically endangered</b>	
7	<b>Country</b>	<b>Number of sightings</b>
8	Botswana	0
9	Burundi	0
10	Cameroon	2

Make sure cells A1 to B1 and A6 to B6 are merged.

Set the font size of the text in rows 1 and 6 to 20 points.

Save your spreadsheet.

[7]

- 10 Print your spreadsheet showing the formulae. Make sure that:

- it is in landscape orientation
- the row and column headings are displayed
- all formulae are fully visible.

[2]

- 11 Select rows 1 to 7 inclusive and only the rows between 8 and 26 where a sighting took place.

Take a screenshot of the method used to select these rows (between 8 and 26). Place this screenshot in your Evidence Document.

Print this selection showing the values. Make sure that:

- the printout fits on a single page
- the printout is in portrait orientation
- the row and column headings are displayed
- the contents of all the cells in the selected rows are fully visible.

[4]

[Total: 41]

**Task 3 – File management****12** Create a new folder called **j32**

Locate only the following files and store them in your *j32* folder.

j32banner.jpg  
j32contact.jpg  
j32feed.mp4  
j32logo.png  
j32text.txt  
j32web.css  
j32what.htm  
j32what.jpg

Display the contents of your *j32* folder, showing the folder name, all file names, file extensions, file sizes, image dimensions and the frame height and frame width for the video.

Take a screenshot of this folder, making sure that the required information is clearly visible. Place this screenshot in your Evidence Document.

[1]

[Total: 1]

### Task 4 – Web page

You will create a web page to help raise awareness of giraffe conservation.

**13** Create a web page called **j32web.htm** and save this in your j32 folder.

This web page must be created using a single table and work in all browsers. The table must fit 75% of the browser window and have a structure as shown in this diagram:

A	
B	C
	D
	E
F	

Table borders must appear on the final web page.

Each table cell is identified with a letter which must **not** appear on the final web page.

[7]

**14** Set the title of the web page to **Giraffe conservation**

[1]

**15** Place in cell:

- A the image **j32banner.jpg**
- B a video tag to display **j32feed.mp4** so that it fits the width of this cell. This video must show the controls and play automatically when the web page opens. Display an automated text-based error message if the browser does **not** support this video type
- C the image **j32what.jpg**
- D the image **j32contact.jpg**

[7]

**16** Enter in cell E the text:

**Web page edited by:** then on a new line enter your name, centre number and candidate number

Set this text as style h3.

[3]

**17** Place in cell F the text from the file **j32text.txt**

Set this text in paragraph style.

[2]

**18** Attach the stylesheet **j32web.css** to your web page. Do **not** edit this stylesheet.

[1]

**19** Make the image *j32what.jpg* a link to open the web page **j32what.htm** in a new window called **\_blank**

Make the image *j32contact.jpg* a link to an email editor to prepare an email to **g.raffe@cambridge.org** with the subject line **Giraffe**

[6]

**20** Save your web page.

Take a copy of your HTML source and place this in your Evidence Document.

Display your web page in a browser. If necessary, resize it so that:

- all the page can be seen
- all text can be easily read
- the address bar is fully visible.

Take screenshot evidence showing your web page in the browser. Place this in your Evidence Document.

[1]

[Total: 28]

### Task 5 – Printing the Evidence Document

Make sure your name, centre number and candidate number appear on every page of your Evidence Document.

Save your Evidence Document.

Print your Evidence Document.

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