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CAMBRIDGE
International Education

Cambridge IGCSE™

INFORMATION AND COMMUNICATION TECHNOLOGY **0417/21**

Paper 2 Document Production, Databases and Presentations **May/June 2026**

2 hours 15 minutes

8321172092

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 **12** pages. Any blank pages are indicated.

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[Turn over

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You have been supplied with the following source files:

j2621charger.jpg
j2621demand.csv
j2621evidence.rtf
j2621manufacturers.csv
j2621models.csv
j2621power.rtf
j2621pressrelease.rtf

Task 1 – Evidence Document

Open the file **j2621evidence.rtf**

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

Save this document in your work area as **j2621evidence** followed by your candidate number, for example **j2621evidence9999**

You will need your Evidence Document during the examination to place screenshots when required.

Task 2 – Document

You are going to edit a press release for Tawara Electric Vehicle Motor Company. The company uses a corporate house style for all its documents. Paragraph styles must be created, modified and applied as instructed.

1 Using suitable software, open the file **j2621pressrelease.rtf**

The page setup is set to A4, landscape orientation with 2-centimetre margins. Do **not** make any changes to these settings.

Three paragraph styles have already been created. Do **not** make any changes to these unless instructed.

Save the document in your work area with the file name **SUVMODEL**

Make sure that it is saved in the format of the software you are using.

Place in your Evidence Document a screenshot to show this file has been saved. Make sure there is evidence of the file type.

[1]

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2 Place in the SUVMODEL document:

- a right-aligned header on a single line, with the text:

  Press release by: followed by a space then your name, centre number and candidate number.

- a left-aligned footer with automated page numbers.

Make sure that:

- all the header details display on a single line
- all the alignments match the page margins
- no other text or placeholders are included in the header or footer areas
- headers and footers are displayed on all pages.

[3]

3 Create and store the following style, basing it on the default/normal paragraph style:

Style name	Font style	Font size (points)	Alignment	Enhancement	Line spacing	Space before (points)	Space after (points)
DB-title	serif	32	centre	bold	single	0	9

Take a screenshot to show that you have defined the settings for the DB-title style.

Make sure there is evidence that you have based this on the default/normal paragraph style.

Place this in your Evidence Document.

[2]

4 At the start of the document, above the first paragraph, enter the title:

Tawara Electric Vehicle Motor Company

[1]

5 Apply the DB-title style to the title you entered in Step 4. [1]

6 Format the first letter of the word Tawara at the start of the first paragraph so it looks like this:

Tawara EV Motor Company, the
Show 2026. Founded in 2001
fossil fuels and bring a cleaner en

[1]

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7 Apply square style bullets to the text from:

special rubber compound …

to

… *energy saving*.

Format the bulleted text with:

- the bullets indented 1.5 centimetres from the left margin
- single line spacing with no space before or after each line
- a 7-point space after the last item.

[3]

8 Sort this bulleted text into descending order. [1]

9 The *DB-subhead* style has already been created.

Modify the *DB-subhead* style so only the following formatting is applied:

Style name	Font style	Font size (points)	Alignment	Enhancement	Line spacing	Space before (points)	Space after (points)
DB-subhead	sans-serif	14	centre	all capitals, italic, underline	single	0	9

Take screenshot evidence to show the settings for the modified *DB-subhead* style. Place this in your Evidence Document.

[1]

10 Identify the five subheadings in the document and apply the *DB-subhead* style to each one. [1]

11 Select the subheading *Introducing the New Tawara SUV 9 Performance* and the following text up to and including the paragraph ending … *range between charges*.

Change the page layout so that only this text is displayed in 2 columns of equal width with a 1 centimetre space between them.

[2]

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12 Import the image **j2621charger.jpg** and place it in the paragraph beginning *We have made available in-house …*

Rotate the image 90 degrees clockwise with the image size and aspect ratio maintained.

Format the image so that:

- it is aligned to the left column margin and the top of the paragraph *We have made available in-house …*
- the text wraps around the image.

[3]

13 Locate the table in the document.

Edit and format the table so it looks like this:

Model	*Performance Mode*	*Range*	*Acceleration 0–100 km/h*
SUV 9 Performance	*Standard Comfort*	*759*	*7.8*
	Sport Adaptive	*759*	*7.0*
	Track Mode	*737*	*4.6*
SUV 5 City	*Standard Comfort*	*540*	*9.8*
	Sport Adaptive	*510*	*9.5*
	Track Mode	*409*	*8.4*
SUV Model 1	*Standard Comfort*	*412*	*12.2*

Make sure that:

- row 2 is separated into 4 columns with the gridlines aligned with the cells above and below
- the column headings are displayed as shown
- text in rows 2 to 8 displays on one line
- 1-point black internal and external gridlines are displayed when printed
- the table borders and all data fit within the column width.

[5]

14 Spell check and proofread the document.

Make sure that:

- the table and list are **not** split over columns or pages
- there are no widows or orphans
- there are no blank pages
- the original *DB-body* and *DB-table* styles are maintained
- spacing is consistent between all items.

Save the document using the same file name and format used in Step 1.

Print the document.

[2]

[Total: 27]

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Task 3 – Database

You are now going to prepare some reports. All currency values must display the same currency symbol. Make sure all required data is fully visible.

15 Using database software, import the file **j2621models.csv** as a new table.

Use these field names and data types:

Field name	Data type	Store	Display
Model_Name	Text		
Manufacturer_Code	Text		
Cash_Price	Number/Currency	Decimal	Currency symbol with 0 decimal places
Model_Code	Text		
Charge_Time	Number	Integer	Integer
Estimated_Range	Number	Integer	Integer
Power	Number	Integer	Integer
Launch_Year	Number	Integer	Integer
SUV	Boolean/Logical		Yes/No
Gov_Subsidy	Number		Percentage symbol with 1 decimal place

Set *Model_Code* as the primary key.

Save the data.

Place in your Evidence Document a screenshot showing the field names, data types and primary key.

Import the file **j2621manufacturers.csv** as a new table in your database.

Use these field names and data types:

Field name	Data type	Store	Display
Manufacturer_Name	Text		
Manufacturer_ID	Text		
Country_Of_Origin	Text		
Incorporated	Number	Integer	
Annual_Revenue	Number/Currency		
Employees	Number	Integer	

Set *Manufacturer_ID* as the primary key.

Place in your Evidence Document a screenshot showing the field names, data types and primary key. [5]

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16 Create a one-to-many relationship between the *Manufacturer_ID* in the manufacturers table and the *Manufacturer_Code* in the models table.

Place in your Evidence Document a screenshot showing the one-to-many relationship between the tables.

[1]

17 Add the following as a new record in the models table:

Model_Name	**Voltaire**
Manufacturer_Code	**VOL**
Cash_Price	**47495**
Model_Code	**VV8E9**
Charge_Time	**67**
Estimated_Range	**298**
Power	**176**
Launch_Year	**2012**
SUV	**No**
Gov_Subsidy	**1.7**

Check your data entry for errors. Save the data.

[2]

18 Using fields from both tables, produce a tabular report that:

- selects the records where:
  - *Charge_Time* is **68 or less**
  - *SUV* is **No**
  - *Gov_Subsidy* is **0.016 or more**
- contains a new field called **Purchase_Price** which is calculated at run-time where *Purchase_Price* = *Cash_Price* – *(Cash_Price* × *Gov_Subsidy)*
  Format this field to display currency to 2 decimal places
- shows only the fields *Model_Name*, *Charge_Time*, *Manufacturer_Name*, *Cash_Price*, *Launch_Year*, *SUV*, *Gov_Subsidy*, *Purchase_Price*, in this order, with data and labels displayed in full. Do **not** group the data
- sorts the data into ascending order of *Manufacturer_Name* and ascending order of *Charge_Time*
- has a page orientation of landscape and fits a single page wide
- includes only the title **Fastest Charging Electric Vehicles** displayed in a larger font size, centred at the top of the page
- has your name, centre number and candidate number in the footer so it appears in the same position on every page.

Save and print your report.

[11]

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19 Using fields from both tables, produce a tabular report that:

- selects only the records where:
  – *Model_Name* includes the text **Sport** or **Turbo**
  – *Estimated_Range* is **267 or more**
- shows only the fields *Estimated_Range*, *Model_Name*, *Country_Of_Origin*, *Charge_Time*, *Cash_Price* in this order with data and labels displayed in full. Do **not** group the data
- sorts the data into descending order of *Country_Of_Origin*
- has a page orientation of portrait
- fits on a single page
- includes only the title **Performance Vehicles** displayed in a larger font size at the top of the page
- calculates the average charge time and places this below the *Charge_Time* column at the end of the report formatted to 0 decimal places
- has the label **Average Charge Time** to the left of this value
- has your name, centre number and candidate number on the report.

Place in your Evidence Document a screenshot showing the database formula used to calculate the average charge time. Make sure that the formula is fully visible.

Save and print your report.

[9]

[Total: 28]

Task 4 – 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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Task 5 – Presentation

You are going to create a short presentation.

All slides must have a consistent layout and formatting.

20 Create a presentation of six slides using the file **j2621power.rtf**

Unless otherwise instructed, the slides must display a title and a bulleted list.

[1]

21 Place in the left of the slide header your name, centre number and candidate number.

Place in the footer automated slide numbers, centre-aligned.

Make sure that:

- the header and footer appear in the same position on every slide
- no items overlap on any slide.

[2]

22 Format the first slide so that:

- a title slide layout is applied with no bullets
- the title and subtitle text are centre-aligned.

[1]

23 Insert a new slide as slide 7 in your presentation. Format this slide to have a title and chart layout only.

Enter the title **Battery demands**

[2]

24 Use the data in the file **j2621demand.csv** to create a stacked column chart to compare the battery demands for all vehicle types from 2020 to 2025 only.

This chart must display:

- the year on the category axis
- the GWh per year on the value axis
- a legend showing the vehicle types.

[3]

25 Label the chart as follows:

- chart title **Annual lithium-ion battery usage**
- value axis title **GWh**
- category axis title **Year**

[2]

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26 Format the value axis scale to display:

- a minimum value of **0**
- a maximum value of **1250**
- increments of **250**

[2]

27 Place the chart on the slide with the title *Battery demands* that you created in Step 23.

Resize the chart so that it fills most of the space below the title.

Make sure that:

- no words are split
- data and labels do not overlap and are fully visible.

[1]

28 Save the presentation.

Print the presentation as a handout in portrait orientation with 2 slides to the page, each filling half the page. [1]

[Total: 15]

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