

Cambridge IGCSE™

INFORMATION AND COMMUNICATION TECHNOLOGY

0417/21

Paper 2 Document Production, Databases and Presentations

May/June 2026**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 **12** pages. Any blank pages are indicated.

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]

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]

- 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)
<i>DB-subhead</i>	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]

- 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:

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

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]

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
<i>Model_Name</i>	Text		
<i>Manufacturer_Code</i>	Text		
<i>Cash_Price</i>	Number/Currency	Decimal	Currency symbol with 0 decimal places
<i>Model_Code</i>	Text		
<i>Charge_Time</i>	Number	Integer	Integer
<i>Estimated_Range</i>	Number	Integer	Integer
<i>Power</i>	Number	Integer	Integer
<i>Launch_Year</i>	Number	Integer	Integer
<i>SUV</i>	Boolean/Logical		Yes/No
<i>Gov_Subsidy</i>	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
<i>Manufacturer_Name</i>	Text		
<i>Manufacturer_ID</i>	Text		
<i>Country_Of_Origin</i>	Text		
<i>Incorporated</i>	Number	Integer	
<i>Annual_Revenue</i>	Number/Currency		
<i>Employees</i>	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]

- 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:

<i>Model_Name</i>	Voltaire
<i>Manufacturer_Code</i>	VOL
<i>Cash_Price</i>	47495
<i>Model_Code</i>	VV8E9
<i>Charge_Time</i>	67
<i>Estimated_Range</i>	298
<i>Power</i>	176
<i>Launch_Year</i>	2012
<i>SUV</i>	No
<i>Gov_Subsidy</i>	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

$$\text{Purchase_Price} = \text{Cash_Price} - (\text{Cash_Price} \times \text{Gov_Subsidy})$$
 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]

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.

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]

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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