

INCLUDED ON THE  
KS4 PERFORMANCE TABLES

## Mapping guide

OCR Level 1/Level 2

Cambridge National in  
**IT**

**J836**

For first teaching in 2022 | Version 1

IT

## Mapping the redeveloped Cambridge National in IT (J836) to the current specification

[ocr.org.uk/cambridgenationals](https://ocr.org.uk/cambridgenationals)



### **We have updated our Cambridge Nationals for first teaching 2022 with first assessment in Summer 2024.**

To make our changes we have worked in very close partnership with teachers, actively consulting at each stage of the development.

We are confident that our updates make our Cambridge Nationals qualifications the best option for teachers and students who are looking for an engaging and highly relevant vocational curriculum.

We make sure our Cambridge Nationals are accessible to a range of students, with a focus on vocational learning. Students will have the chance to learn and develop key practical skills that they can apply to real-life contexts and work situations.

We have created this mapping guide to help you move from the current Cambridge Nationals qualifications by highlighting which elements of the redeveloped qualification remain the same as before and where new content has been included.

### **This mapping guide**

In the tables that follow, you can see:

- redeveloped unit details including Topic Area (TA) number and titles
- how the redeveloped units map to the current specification units that you may already know, at learning outcome level
- brief comments about the changes we've made
- the **units and Topic Areas (TAs) in this redeveloped Cambridge National that do not map** to the current specification
- the **current units and LOs that do not map** to the redeveloped Cambridge National

For reference, the current specification unit and LO titles are included in the appendix.



In each unit, you'll see we now have teaching content in Topic Areas instead of learning outcomes. Read more in our [redeveloped specification](#)

# Mapping

Redeveloped Cambridge National		Current Cambridge National		
Cambridge National in IT J836 (First teach 2022)		Cambridge National in Information Technologies J808		
R050 IT in the digital world Examined, mandatory unit		Unit no	LO no	Comment
Topic Area no	Topic Area title			
1	Design Tools	R012	LO1	LO1.1 - LO1.4 Project life cycle content has been removed completely. Difficult to teach content identified and removed. Design tools used instead of planning tools
2	Human Computer Interface (HCI) in everyday life	R012	LO6	Hardware and software considerations are related to Human Computer Interfaces (HCI) instead of resources required for presenting information related to an integrated technological solution (6.3)
3	Data and testing	R012/R013	LO2/LO3/LO5	Majority of content is the same to LO3 with some similar content to LO2 and LO5
4	Cyber-security and legislation	R012	LO4	Minor changes to LO
5	Digital Communications	R012/R013	LO6/LO7	Some similar content to LO6 and LO7
6	Internet of Everything (IoE)	–	–	New TA – content is not in the current qualification

## Redeveloped Cambridge National

## Current Cambridge National

### Cambridge National in IT J836 (First teach 2022)

### Cambridge National in Information Technologies J808

#### R060 Data manipulation using spreadsheets NEA, mandatory unit

Topic Area no	Topic Area title
1	Planning and designing the spreadsheet solution
2	Creating the spreadsheet solution
3	Testing the spreadsheet solution
4	Evaluating the spreadsheet solution

Unit no	LO no	Comment
R012	LO1	Significant changes to LO with project life cycle content removed
R012/R013	LO3/LO5/LO7	Minor changes to LO
R013	LO2	New TA with some content similar to LO2
–	–	New TA – content is not in the current qualification

#### R070 Using Augmented Reality to present information NEA, mandatory unit

Topic Area no	Topic Area title
1	Augmented Reality (AR)
2	Designing an Augmented Reality (AR) model prototype
3	Creating an Augmented Reality (AR) model prototype
4	Testing and reviewing

Unit no	LO no	Comment
–	–	New TA – content is not in the current qualification
R012	LO1	New TA - some content from LO1
–	–	New TA – content is not in the current qualification
–	–	New TA – content is not in the current qualification

## Redeveloped content not in the current specification

Redeveloped unit no	Redeveloped unit title	Redeveloped TA no	Redeveloped Topic Area title
<b>R050</b>	IT in the digital world	1	Design Tools 1.1 Types of design tools
		2	Human Computer Interface (HCI) in everyday life 2.1 The purpose, importance and use of HCI in application areas 2.2 Hardware considerations 2.3 Software considerations 2.4 User interaction methods
		3	Data and testing 3.2.2 The difference between validation and verification 3.2.4 Data verification tools 3.5 Application of testing to a range of contexts
		4	Cyber-security and legislation 4.3 Prevention measures – Physical 4.4 Legislation related to the use of IT systems
		5	Digital communications 5.1 Type 5.3 Digital devices 5.4 Distribution channels - connectivity
		6	Internet of Everything (IoE) 6.1 Use of IoE 6.2 Application areas in everyday life

Redeveloped unit no	Redeveloped unit title	Redeveloped TA no	Redeveloped Topic Area title
<b>R060</b>	Data manipulation using spreadsheets	1	Planning and designing the spreadsheet solution 1.2.3 Human Computer Interface (HCI)
		2	Creating the spreadsheet solution 2.1.3 User interface
		3	Testing the spreadsheet solution 3.1 Test the user interface and the technical aspects of the spreadsheet solution
		4	Evaluating the spreadsheet solution 4.1 Methods used to evaluate the success of the spreadsheet solution
<b>R070</b>	Using Augmented Reality to present information	1	Augmented Reality (AR) 1.1 Purpose and uses of Augmented Reality (AR) 1.2 Types of Augmented Reality (AR) and user interaction 1.3 Devices used with Augmented Reality (AR)
		2	Designing an Augmented Reality (AR) model prototype 2.1 Planning and design consideration 2.2 Design tools
		3	Creating an Augmented Reality (AR) model prototype 3.1 Augmented Reality (AR) model prototype 3.2 Triggers 3.3 Layers / user interaction 3.4 Information output
		4	Testing and reviewing 4.1 Testing 4.2 Reviewing the process of creating the Augmented Reality (AR) model prototype

## Current content not in the redeveloped specification

Current unit no	Current unit title	Current LO no	Current LO title
<b>R012</b>	Understanding tools, techniques, methods and processes for technological solutions	L01	Understand the tools and techniques that can be used to initiate and plan solutions - 1.1 to 1.4
		L03	Understand how data and information can be collected, stored and used – 3.5
		L04	Understand the factors to be considered when collecting, processing and storing data and information – 4.3.2, 4.5.2 and 4.6
		L06	Understand the different methods of processing data and presenting information
<b>R013</b>	Developing technological solutions	L02	To be able to initiate and plan a solution to meet an identified need - 2.1 and 2.3
		L05	To be able to import and manipulate data to develop a solution to meet an identified need – 5.1.1(f, g, k) and 5.2.2
		L07	To be able to select and present information in the development of the solution to meet an identified need – 7.2.2 and 7.2.3
		L08	To be able to iteratively review the development of the solution – 8.1

## Current qualification units and learning outcome (LO) titles

<b>R012</b>	Understanding tools, techniques, methods and processes for technological solutions	LO1	Understand the tools and techniques that can be used to initiate and plan solutions
		LO3	Understand how data and information can be collected, stored and used
		LO4	Understand the factors to be considered when collecting, processing and storing data and information
		LO6	Understand the different methods of processing data and presenting information
<b>R013</b>	Developing technological solutions	LO2	To be able to initiate and plan a solution to meet an identified need
		LO5	To be able to import and manipulate data to develop a solution to meet an identified need
		LO7	To be able to select and present information in the development of the solution to meet an identified need
		LO8	To be able to iteratively review the development of the solution

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