

J836 Cambridge Nationals IT Yr10

Unit R050 IT in the digital world - Yr10		Unit R070 Using augmented reality to present information	Yr10	Unit R060 Data manipulation using spreadsheets	Yr10
Sept	1.1: Types of design tools	Sept	1.1: Purposes and uses of AR	Feb	1.1: Design tools
Sept	1.1: Types of design tools	Sept	1.2.1: Types of AR	Mar	1.2.1: Functionality
Oct	1.1: Types of design tools	Sept	1.2.2: User interaction/layers	Mar	1.2.2: Outputs
Oct	1.1: Types of design tools	Oct	1.3: Devices used with AR	Mar	1.2.3: HCI navigation
Oct	2.1: The purpose, importance and use of HCI in application areas	Oct	block 2.1: Planning and design considerations	Apr	2.1.1: Cell naming and referencing
Nov	2.2: Hardware considerations	Oct	2.2: Design tools	Apr	2.1.2: Multi-sheet referencing
Nov	2.2: Hardware considerations	Nov	NEA - Design Tools, Planning and Desing Considerations, Review Notes	Apr	2.1.3: Data types (covered in R050 Jan)
Dec	2.3: Software considerations	Nov	3.1: AR model prototype	Apr	2.1.4: Data validation (covered in R050 Jan)
Dec	2.4: User interaction methods	Dec	3.2: Triggers	Apr	2.1.5: Formulae and functions
Jan	3.1: Information and data	Dec	3.3: Layers and user interaction	May	2.1.6: Cell formatting
Jan	3.2.1: Data types	Dec	3.4: Information output	May	2.1.7: Sorting and filtering
Feb	3.2.2: Validation and verification	Dec	NEA - Creating an AR Prototype, Iterative Testing	May	2.1.8: Spreadsheet security
Feb	3.3: Data collection methods	Jan	4.1: Testing (Covered in R050)	May	2.1.9: Modelling
Mar	3.4: Storage of collected data	Jan	NEA - Testing	May	2.1.10: Pivot tables
Mar	3.5: Testing (Covered in R070)	Feb	NEA - Review	June	2.1.11: Charts and graphs
Apr	4.1: Threats			June	2.1.12: User interface
Apr	4.2: Impacts of a cyber-security attack			June	3.1.1: Types of test data (Covered in R050 and R070)
May	4.3: Prevention measures			June	3.1.2: Testing (Covered in R050 and R070)
May	4.4: Legislation			June	4.1: Evaluation
June	5.1: Types of digital communications			July	Start NEA
June	5.2: Software			July	Start NEA
July	5.3: Digital devices				
July	5.4.1: Types of distribution channel				

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Unit R050 IT in the digital world	
Sept	5.4.2: Distribution channel connectivity
Oct	5.5: Audience demographics
Nov	6.1: Use of IoE
Dec	6.2: Application areas in everyday life
Exam recap - Look at Objectives above	
Jan - Recap	Topic area 1 Design tools - Exam Prep
	Topic area 2 Human Computer Interface in everyday life
	Topic area 3 Data and testing
Feb - Recap	Topic area 4 Cyber-security and legislation
	Topic area 5 Digital communications
	Topic area 6 Internet of Everything
	Mock Exam
March - Recap	Topic area 1 Design tools
	Topic area 2 Human Computer Interface in everyday life
	Topic area 3 Data and testing
April - Recap	Topic area 4 Cyber-security and legislation
	Topic area 5 Digital communications
	Topic area 6 Internet of Everything
May	Exam

Unit R060 Data manipulation using spreadsheets	
	Topic area 1 Planning and designing the spreadsheet solution Recap and NEA
Sept	1.1: Design tools
	1.2.1: Functionality
	1.2.2: Outputs
	1.2.3: HCI navigation
Oct	Topic area 2 Creating the spreadsheet solution recap and NEA
	2.1.1: Cell naming and referencing
	2.1.2: Multi-sheet referencing
	2.1.3: Data types (covered in R050 Jan)
	2.1.4: Data validation (covered in R050 Jan)
	2.1.5: Formulae and functions
	2.1.6: Cell formatting
	2.1.7: Sorting and filtering
2.1.8: Spreadsheet security	
Nov	2.1.9: Modelling
	2.1.10: Pivot tables
	2.1.11: Charts and graphs
	2.1.12: User interface
	Topic area 3 Testing the spreadsheet solution recap and NEA
	3.1.1: Types of test data (Covered in R050 and R070)
3.1.2: Testing (Covered in R050 and R070)	
Dec	Topic area 4 Evaluating the spreadsheet solution recap and NEA
	4.1: Evaluation
March	Project First Submission
March	Results From First Submission
	Improvements on R060 NEA
April	Improvements on R060 NEA
	Improvements on R060 NEA
	Resubmission