



CURRICULUM PLAN



Curriculum at a Glance

Year 10

1.1 Spreadsheet
Coursework Unit Planning

2.1 Spreadsheet
Coursework Unit Creating

3.1 Spreadsheet
Coursework Unit Testing

4.1 Spreadsheet
Coursework Unit Evaluation

2.1 Augmented Reality
Unit Planning

2.2 Augmented Reality
Unit Designing

Year 11

3.2 Augmented Reality
Unit Creating

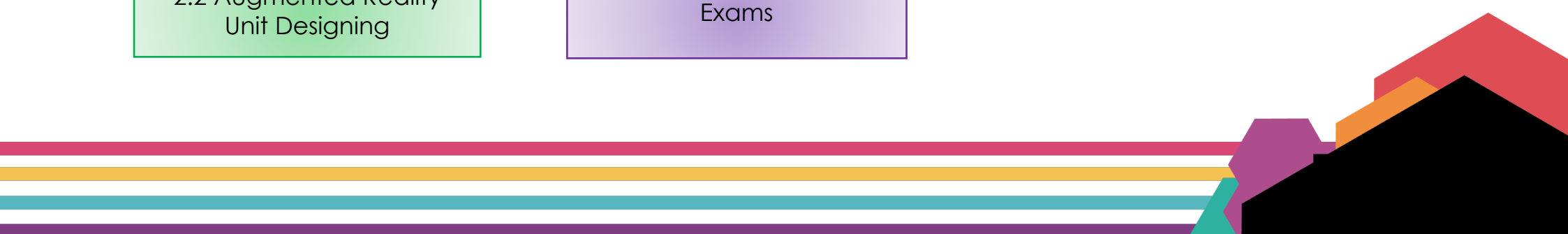
4.2 Augmented Reality
Unit Testing

Theory Unit

Theory Unit

Theory Unit

Exams



OCR Cambridge National IT 2YR Curriculum Plan (Current Yr10-11)

Focus / Term	Half Term One	Half Term Two	Half Term Three	Half Term Four	Half Term Five	Half Term Six
Year 10 Topic Covered and End Points	1.1 Spreadsheet Coursework Unit Planning and Designing <u>End Point</u> <ul style="list-style-type: none"> To know how to plan a spreadsheet To know how to create a wireframe for the spreadsheet To know how to design a user interface 	2.1 Spreadsheet Coursework Unit Creating the spreadsheet <u>End Point</u> <ul style="list-style-type: none"> To know how to make a user interface main menu To know how to use formulas To know how to format a spreadsheet 	3.1 Spreadsheet Coursework Unit Testing the user interface <u>End Point</u> <ul style="list-style-type: none"> To know how to test the user interface To know how to test formulas To know how to test data entered 	4.1 Spreadsheet Coursework Unit Evaluating the spreadsheet <u>End Point</u> <ul style="list-style-type: none"> To know how to review the user interface To know to review the formulas used To know how to review data entered 	2.1 Augmented Reality Unit Planning and Designing <u>End Point</u> <ul style="list-style-type: none"> To know how to plan mood board for AR To know how to plan a visualisation diagram for AR To know how to create wireframes for the user interface 	2.2 Augmented Reality Unit Design tools <u>End Point</u> <ul style="list-style-type: none"> To know how to design an AR programme To know how to design audio for an AR programme To know how to design information for AR
NC	Develop their capability, creativity and knowledge in computer science, digital media and information technology, develop and apply their analytic, problem-solving, design, and computational thinking skills	Develop their capability, creativity and knowledge in computer science, digital media and information technology, develop and apply their analytic, problem-solving, design, and computational thinking skills	Develop their capability, creativity and knowledge in computer science, digital media and information technology, develop and apply their analytic, problem-solving, design, and computational thinking skills	Develop their capability, creativity and knowledge in computer science, digital media and information technology, develop and apply their analytic, problem-solving, design, and computational thinking skills	Develop their capability, creativity and knowledge in computer science, digital media and information technology, develop and apply their analytic, problem-solving, design, and computational thinking skills	Develop their capability, creativity and knowledge in computer science, digital media and information technology, develop and apply their analytic, problem-solving, design, and computational thinking skills
Powerful Knowledge and Careers	What makes a successful user interface? HCI Designer	What formatting skills are used for a spreadsheet? Spreadsheet designer	What is the importance of testing a programme? Computer Programmer	How can spreadsheets be used for real life situations Weather forecasting	What can AR do to help the workplace? Self-Driving Car Manufacture	What are the dangers of AR? AR Software Designer

Tier 3 Words	Spreadsheet, Menu, Formula, Function, Average, Max, Min, Auto Sum, Graph, Macro, Cell, Row, Column	Spreadsheet, Menu, Formula, Function, Average, Max, Min, Auto Sum, Graph, Macro, Cell, Row, Column	Spreadsheet, Menu, Formula, Function, Average, Max, Min, Auto Sum, Graph, Macro, Cell, Row, Column	Spreadsheet, Menu, Formula, Function, Average, Max, Min, Auto Sum, Graph, Macro, Cell, Row, Column	AR, Mood Board, Visualisation Diagram, Wireframe, Aero, Image, Audio, Speech Bubbles	AR, Mood Board, Visualisation Diagram, Wireframe, Aero, Image, Audio, Speech Bubbles
Long Term Retrieval	Recap KS3 spreadsheet unit, key terminology of Excel	Recap KS3 spreadsheet unit, key terminology of Excel	Recap KS3 spreadsheet unit, key terminology of Excel	Recap KS3 spreadsheet unit, key terminology of Excel	Recap year 9 iMedia unit for pre-production documents	Pre-production documents, AR terminology
Assessment Details	Coursework Assessment 1.1	Coursework Assessment 2.1	Coursework Assessment 3.1	Coursework Assessment 4.1	Coursework Assessment 2.1	Coursework Assessment 2.2
Misconceptions	Students may need support in the structure of a spreadsheet	Using complex formulas in their spreadsheet	How to evidence testing of formulas and the user interface	How to assess Macros and their creation	The difference between a visualisation diagram and a wireframe	Using the new software Adobe Aero and its tools
Homework	Study Pack	Study Pack	Study Pack	Study Pack	Study Pack	Study Pack
Year 11 Topic Covered and End Points	3.2 Augmented Reality Unit Creating an AR model	4.2 Augmented Reality Unit Testing and Reviewing AR	R050 Theory Unit	R050 Theory Unit	R050 Theory Unit	Exams
NC	Develop their capability, creativity and knowledge in computer science, digital media and information technology, develop and apply their analytic, problem-solving, design, and computational thinking skills	Develop their capability, creativity and knowledge in computer science, digital media and information technology, develop and apply their analytic, problem-solving, design, and computational thinking skills	Understand how changes in technology affect safety, including new ways to protect their online privacy and identity, and how to report a range of concerns, develop their capability, creativity and knowledge in computer science, digital media and information technology, develop and apply their analytic, problem-solving, design, and	Understand how changes in technology affect safety, including new ways to protect their online privacy and identity, and how to report a range of concerns, develop their capability, creativity and knowledge in computer science, digital media and information technology, develop and apply their analytic, problem-solving, design, and	Understand how changes in technology affect safety, including new ways to protect their online privacy and identity, and how to report a range of concerns, develop their capability, creativity and knowledge in computer science, digital media and information technology, develop and apply their analytic, problem-solving, design, and	

			computational thinking skills	computational thinking skills	computational thinking skills	
Powerful Knowledge and Careers	A day in the life of an AR creator AR Engineer	How to advertise a product successfully AR Marketer	How design documents are used for planning Pre-production designer	What is the difference between a black and white hacker White Hacker	How legislations are used to protect data and computer systems Database Designer	
Tier 3 Vocab	AR, Mood Board, Visualisation Diagram, Wireframe, Aero, Image, Audio, Speech Bubbles	AR, Mood Board, Visualisation Diagram, Wireframe, Aero, Image, Audio, Speech Bubbles	Flow charts, Mind Map, Wireframe, Embedded System, Memory, Processing, Operating System, Database, Spreadsheet User Interaction, Boolean, Data Type, Data Collection, Threats, Prevention, Legislation	Flow charts, Mind Map, Wireframe, Embedded System, Memory, Processing, Operating System, Database, Spreadsheet User Interaction, Boolean, Data Type, Data Collection, Threats, Prevention, Legislation	Flow charts, Mind Map, Wireframe, Embedded System, Memory, Processing, Operating System, Database, Spreadsheet User Interaction, Boolean, Data Type, Data Collection, Threats, Prevention, Legislation	
Long Term Retrieval	Pre-production documents, AR terminology	Pre-production documents, AR terminology	Types of design tools, HCI, Data and testing	Cyber-security, Legislation, Digital Communication	All R050 key terminology	
Assessment details	Coursework Assessment 2.3	Coursework Assessment 2.4	R050 theory mock exam	R050 theory mock exam	R050 theory mock exam	
Misconceptions	Using the new software Adobe Aero and its tools such as audio	How to evidence testing of an AR programme	Types of viruses and how they impact a computer system	Differences between a spreadsheet and a database	Different types of data types and data collection	
Homework	Study Pack	Study Pack	Study Pack	Study Pack	Study Pack	Study Pack

