

Curriculum Map: Year 10 Digital Information Technology

	Half Term 1	Half Term 2	Half Term 3	Half Term 4	Half Term 5	Half Term 6
Topic	Component 1	Component 1	Component 2	Component 2	Component 2	Project to bridge Y10 and Y11
Intent	Learn about the Characteristics of different forms of data, methods of analysing data and how to present data effectively. Use data in a dashboard to analyse and to make recommendations based on the data.	Assessment Students will be assessed for component 2. There work will be sent to the exam board and the grade will contribute 30% of their final grade. Skills learnt in HT 5-6 (Y10) and 1 will be assessed.	Types of user interface and how they can be used in society. Needs of different user interface users. Planning an interface. Using mind maps and mood boards Effective storyboards Identifying user and audience needs and requirements. Creating a user interface Design techniques	. Assessment Students will be assessed for component 1 There work will be sent to the exam board and the grade will contribute 30% of their final grade. Skills learnt in HT 1-3 will be assessed.	Assessment Students will be assessed for component 1. There work will be sent to the exam board and the grade will contribute 30% of their final grade. Skills learnt in HT 5-6 (Y10) and 1 will be assessed. .	Research task Students to use online research to find out about content that will be included in Y11. The intent is that content will not be new and they will have some familiarity with terms before the arrive at deeper teacher in Y11
Lesson Intentions	Week 1 – Data and data types Week 2 – Formulas Week 3 – Dashboards and data analysis Week 4 Understanding the project Week 4 and 6 – Complete Task 1 of coursework	Week 1 – Complete task 2a of coursework (Formulas and formatting) Week 2 – Complete task 2b data analysis formulas Week 3 and 4 Complete task 2c (Dashboard) Week 5 and 6 complete task 3 data analysis and strengths and weaknesses of a dashboard	Week 1 – Interface design techniques Week 2 – Accessibility when designing interfaces Week 3 – Understanding the project brief Week 4 - Complete Task 1b (Writing the project brief)	Week 1 and 2 – Complete task 2 the interface designs Week 3 and 4 – Complete task 3 the interface Week 5 and 6 – Complete task 4 the review	Week 1, 2 and 3 – Contingency time for any elements not complete Week 4-6 Component 3 task. Researching KIAN Know how modern technologies are used in DIT	Component 3 task. Researching KIAN Know how modern technologies are used in DIT

			Week 5 and 6 – task 1b the Gantt chart			
Key Knowledge	Different types of data Different methods of analysing data Formulas such as IF, SUM, Max, MIN, VLOOKUP Creating tables from data Conditional formatting Use of pivot charts How data is collected. Charts such as Pie and Bar Pivot charts Analysing data for a purpose Make recommendations based on the data..	Requirements set out by the board for the set assignment.	Different types of user interface, voice, traditional, touch, menu etc Considerations when planning a project Identifying audience and client requirements. Identify different project methodologies. Storyboarding ideas Collecting resources. Creating an interface. Skills to make and interface. Design skills	Requirements set out by the board for the set assignment.	Requirements set out by the board for the set assignment.	Exam content using online resources. Modern technologies Cloud computing Networks Communication methods
Key Skills	Know different types of interface. Know how different types of interface affect how usable they are and how different audience may see and use interfaces differently. Planning a project Using excel to create plans Creating mood boards and mind maps Creating storyboards Using Power point to create an interface	Carried over from Half Term 1 Understand the requirements of a board Project.	Dashboard, Macro, Formula, MIN, SUM, Max, Table, Chart, Analyse, Recommendation. Conditional formatting, Sheet, Data, Primary, Secondary, Quantitative, Qualitative.		Carried over from Half Term 3 and 4 Understand the requirements of a board Project.	Researching content Understanding modern technologies used in IT

Key Vocabulary	Min, Max, Count, Dashboard, Formula, Chart, Row, Column, Cell, Format. GDPR. Data, Bias,	Min, Max, Count, Dashboard, Formula, Chart, Row, Column, Cell, Format. GDPR. Data, Bias,	Voice, touch, interface, design, layout, Audience, Accessible, Menu, GUI, design, colour, hardware, software, input, output Mood board, Client, Audience, Storyboard, Feedback,	Voice, touch, interface, design, layout, Audience, Accessible, Menu, GUI, design, colour, hardware, software, input, output Mood board, Client, Audience, Storyboard, Feedback,	, Voice, touch, interface, design, layout, Audience, Accessible, Menu, GUI, design, colour, hardware, software, input, output Mood board, Client, Audience, Storyboard, Feedback,	Cloud, ad hoc, 24/7, black spot, network, device, accessibility, Teams, world Teams.	
Key Reading	Lesson Resources	DIT Assignment Lesson Resources	Successfully completed the board set assignment.	DIT Assignment Lesson Resources	DIT Assignment Lesson Resources	KIAN	
End Point	Students to understand the steps involved in a project. From concept through planning, creation and review.	Able to understand and complete a board set assignment in the required time frame.		Able to understand and complete a board set assignment in the required time frame.	Able to understand and complete a board set assignment in the required time frame.	Have a basic knowledge of some of the content they will be studying in more detail in Y11	
Links to British values	Rule of Law, data protection, Individual liberty through accessibility and inclusivity	Rule of Law, data protection, Individual liberty through accessibility and inclusivity	Respect and mutual respect through accessibility and e safety.	Respect and mutual respect through accessibility and e safety.	Tolerance through remote working and understanding cultures, Rule of law though data protection and protected characteristics.	Tolerance through remote working and understanding cultures, Rule of law though data protection and protected characteristics.	
Links to Careers	Accountancy, planning time, using spreadsheets for a purpose. Analysing data and spotting trends	Accountancy, planning time, using spreadsheets for a purpose. Analysing data and spotting trends	Considering work practices, Project management, Accessibility in organisations, evaluating work.	Considering work practices, Project management, Accessibility in organisations, evaluating work.	Using It in business, types of communication, using it in teams, using the cloud	Using It in business, types of communication, using it in teams, using the cloud	
Form of Assessment	Coursework	Coursework	Coursework	Coursework	Coursework		
Enrichment opportunities							
Leadership opportunities	Independent project work, presentation writing and delivery to audience, debate and discussion activities, teamwork						