	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
9	**Topic:** Introduction into user interfaces **Knowledge and skills** • Types of interfaces • Hardware and software influences • Accessibility needs • Skills and demographics • Visual design principles **Topic: Effective working practices** • Modern technology • Impact of modern technology	**Topic:** Designing user interfaces/project planning **Knowledge and skills** • Designing an effective user interface • Project management methodologies • Project management tools • Gantt and Pert charts • Creating a project plan. **Topic: Effective working practices** • Threats to data • Prevention and management of threats	**Topic:** Developing and evaluating an interface **Knowledge and skills** • Creating different interface designs • Developing a user interface for a specific scenario. • Refining the interface • Reviewing the interface. **Topic: Effective working practices** • Policy	**Topic:** Introduction into spreadsheets, information and data **Knowledge and skills** • Characteristics of data and information • Validation and verification • Data collection methods • Threats to individuals • Spreadsheet modelling **Topic: Effective working practices** • Responsible use	**Topic:** Spreadsheet manipulation techniques **Knowledge and skills** • Arithmetic calculations • Functions, SUM, MIN, MAX etc • Conditional formatting • Macro's • Sorts and filters **Topic: Effective working practices** • Legal and Ethical	**Topic:** Spreadsheets - presenting and drawing conclusions **Knowledge and skills** • Creating graphs to show different results • Creating a dashboard • Using a spreadsheet to model. • Drawing conclusions • Making future predictions and recommendations. **Topic: Effective working practices** • Forms of notation.
10	**Topic: BTEC ICT:** Interface design CWK Start of the interface coursework Component 1 (assignment 1): Exploring Interface design. **Knowledge and skills** • Types of interfaces • Hardware and software influences • Accessibility needs • Skills and demographics • Visual design principles	**Topic: BTEC ICT:** Interface design CWK Component 1 (assignment 2): Designing a suitable interface. **Knowledge and skills** • Designing an effective user interface • Project management methodologies • Project management tools • Gantt and Pert charts • Creating a project plan.	**Topic: BTEC ICT :** Interface creation CWK Component 1 (assignment 3): Creating and evaluating a suitable interface. **Knowledge and skills** • Creating different interface designs • Developing a user interface for a specific scenario. • Refining the interface • Reviewing the interface.	**Topic: BTEC ICT:** Spreadsheet modelling CWK Component 2 (assignment 1): Data and information and the use of spreadsheets. **Knowledge and skills** • Characteristics of data and information • Validation and verification • Data collection methods • Threats to individuals • Spreadsheet modelling	**Topic: BTEC ICT:** Spreadsheet modelling CWK Component 2 (assignment 2): Developing a spreadsheet model **Knowledge and skills** • Arithmetic calculations • Functions, SUM, MIN, MAX etc • Conditional formatting • Macro's • Sorts and filters	**Topic: BTEC ICT:** Spreadsheet modelling CWK Component 2 (assignment 2): Using the spreadsheet to model outcomes. **Knowledge and skills** • Creating graphs to show different results • Creating a dashboard • Using a spreadsheet to model. • Drawing conclusions • Making future predictions and recommendations.
11	**Topic:** Component 3: Create a Media Product in Response to a Brief **Knowledge and skills** • Defining the target audience for the product. • Researching competitors to your products • Identifying the theme of the	**Topic:** Component 3: Create a Media Product in Response to a Brief **Knowledge and skills** • How to monitor the project and make improvements effectively. • Creating images and assets for the final products using the adobe suite.	**Topic:** Component 3: Create a Media Product in Response to a Brief **Knowledge and skills** • Complete practice exam in class (9 hours in total) • Brief for the exam released during this term. • Prepare for final exam.	**Topic:** Component 3: Create a Media Product in Response to a Brief **Knowledge and skills** • Start exam	**Topic:** Component 3: Create a Media Product in Response to a Brief **Knowledge and skills** • Complete exam.	

		product. • Generating different ideas for the product. • Planning the product using skills learnt in COMP 2 • Project planning and complying with legislation. • Practice COMP 3 mock exam.	• Editing secondary assets to ensure they are fit for purpose. • Combing the asset to create a product that is fit for purpose. • How to test effectively and export in appropriate format. • Practice COMP 3 mock exam				

12	**Topic:** Unit 1: Information Technology Systems **Knowledge and skills** • Digital devices, their functions and use • Peripheral devices and media • Computer software in an IT system • Emerging technologies • Choosing IT systems • Connectivity	**Topic:** Unit 1: Information Technology Systems **Knowledge and skills** • Networks • Issues relating to transmission of data • Online systems • Online communities • Threats to data, information and systems • Protecting data	**Topic:** Unit 1: Information Technology Systems **Knowledge and skills** • Online services • Impact on organisations • Using and manipulating data • Moral and ethical issues • Legal issues • Unit 1 external exam	**Topic:** Unit 6: Website Development **Knowledge and skills** • Purpose and principles of website products • Factors affecting website performance	**Topic:** Unit 6: Website Development **Knowledge and skills** • Website design • Common tools and techniques used to produce websites • Develop a website to meet client requirements	**Topic:** Unit 6: Website Development **Knowledge and skills** • Client-side scripting languages • Website development • Website review • Website optimisation • Skills, knowledge and behaviours
13	**Topic:** Unit 2: Creating Systems to Manage Information **Knowledge and skills** • Relational database management systems • Manipulating data structures and data in relational databases • Normalisation • Relational database design • Design documentation	**Topic:** Unit 2: Creating Systems to Manage Information **Knowledge and skills** • Producing a database solution • Testing and refining the database solution • Database design evaluation	**Topic:** Unit 2: Creating Systems to Manage Information **Knowledge and skills** • Evaluation of database testing • Evaluation of the database • **Unit 2 external exam** • Unit 3: Using Social Media in Business - intro	**Topic:** Unit 3: Using Social Media in Business **Knowledge and skills** • Social media websites • Business uses of social media • Risks and issues • Social media planning processes • Business requirements • Content planning and publishing	**Topic:** Unit 3: Using Social Media in Business **Knowledge and skills** • Developing an online community • Developing a social media policy • Reviewing and refining plans • Creating accounts and profiles • Content creation and publication • Data gathering and analysis • Skills, knowledge and behaviours	**End of course.**