Ormiston **Meridian** Academy

Sandon Road, Meir, Stoke-on-Trent, ST3 7DF **Telephone:** 01782 377100 **Fax:** 01782 377101
Email: info@omera.co.uk **Website:** www.ormistonmeridianacademy.co.uk
Principal: Mr. G. Jones

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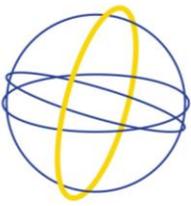| **Subject BTEC Digital Information Technology**		**Year 10** **Curriculum Map** **2018 -2019**
Week Commencing	**Topic** **(including links to additional resources)**	**Assessment Window**
03/09/2018 STAFF INSET 03/09 Y7 DAY 04/09 ALL STUDENT IN 05/09	Introduction to user interfaces: hardware features, software features and human facilitation and example uses Basic user interface: text-based and menu-based Introduction to user interfaces: hardware features, software features and human facilitation and example uses	
10/09/2018	Complex user interfaces: speech/natural language-based, GUI/WIMPs and sensor-based Choosing a user interface: performance/response time, ease of use, user requirements, user experience, accessibility and storage space	
17/09/2018	How hardware and software affects user interfaces: operating systems/platforms, screen type/size, types of user input, hardware resources available and emerging technologies User accessibility needs: visual, hearing, speech, motor and cognitive needs	
24/09/2018	User skills: expert, regular, occasional and novice user skills and demographics: age, beliefs/values, culture and past experiences Design principles: visual elements: colour and font style/size	
01/10/2018	Design principles: text elements: language and amount of information Design principles: layout: consistency, placement of items, user expectations, grouping related items, navigational components and input controls	
08/10/2018	Design principles: user expectations: colour, sound, symbols, visuals Design principles: keeping the user engaged: uncluttered screens, tip text, labels, default values and autofill	
15/10/2018	Design principles: intuitive design: graphics denoting actions, helpful messages, easy reversal of actions, help features and consistency Improving the speed of user interfaces: keyboard shortcuts, reversal of actions, informative feedback and distinguishable objects	
22/10/2018 STAFF INSET 26/10	Reducing the user selection time: appropriate object sizes, object emphasis, grouping related objects Learning aim A: assessment practice	
October Half Term		

Ormiston Meridian Academy is committed to safeguarding and promoting the welfare of children and young people and expects all staff and volunteers to share this commitment.

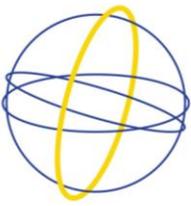Arts Council England Eco-Schools Fair Active School Healthy School International School Award 2014-2017 Young enterprise Young Engineers The OAKS

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05/11/2018	Component 1: Learning aim A: formal assessment	AR1
12/11/2018	Component 1: Learning aim A: formal assessment	AR1
19/11/2018	Project methodologies: waterfall, iterative and Agile Co-coordinating project tasks: Gantt charts, PERT charts and critical path diagrams	
26/11/2018	Project methodologies: waterfall, iterative and Agile Co-coordinating project tasks: Gantt charts, PERT charts and critical path diagrams	
03/12/2018	Defining the project requirements: user requirements, output requirements, input requirements and user accessibility requirements Project constraints and risks: time, resources, task dependencies, security and contingency planning	
10/12/2018	Planning project timescales: overall timescales, when tasks will be completed, key milestones and resources What is a design specification: user requirements, output requirements, input requirements and user accessibility requirements	
17/2018 END OF TERM 20/12	Contingency	
Christmas Break		
07/01/2019	Learning aim B: assessment practice Developing a functional user interface: showing the outputs, inputs and the navigational methods	
14/01/2019	Learning aim B: assessment practice Developing a functional user interface: showing the outputs, inputs and the navigational methods	
21/01/2019	Showing the key aspects of a user interface: awareness of intended device, how the requirements have been met, the overall look/feel and the ease of use Refining the user interface: presenting the interface to potential users, gaining feedback, refining the interface, documenting changes	

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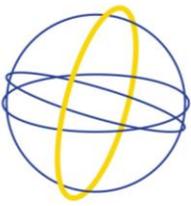
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28/01/2019	Reviewing the user interface and what areas could be developed further Reviewing the project planning techniques and lessons learned	AR2
4/02/2019	Learning aim C: assessment practice Component 1: Learning aim B and C: formal assessment	AR2
11/02/2019 STAFF INSET 15/02	Component 1: Learning aim B and C: formal assessment	
February Half Term		
25/02/2019	Data and information: meaning, structure, context and processing How to present information: text, numbers, tables, graphs/charts and infographics	
4/03/2019	Making data suitable for processing: validation: range, type, look up, presence and length checks and verification: proofreading and double entry Collecting data: data collection methods, data collection features and big data	
11/03/2019	Why quality is important: source, accuracy, age, completeness, amount of detail, format/presentation and volume Who uses data modelling: types of sectors and data modelling in decision making	
18/03/2019	Threats: privacy, fraud, targeting vulnerable groups and inaccurate data Learning aim A: assessment practice	
25/03/2019	Component 2: Learning aim A: formal assessment	
01/04/2019	What is a dashboard? Data manipulation methods: importing data and text to columns, formulae and decision making functions	
08/04/2019	Data manipulation methods: lookup functions and count functions	
Easter		

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29/04/2019	Data manipulation methods: logical operations/sorting, using outlines and string operation functions	AR3
06/05/2019 BANK HOL 06/05	Data manipulation methods: filtering Other processing methods: absolute and relative cell referencing	AR3
13/05/2019	Other processing methods: macros, multiple and linking worksheets and alternative views	
20/05/2019	Other processing methods: conditional formatting Showing information summaries: totals, counts and percentages	
May Half Term		
03/06/2019	Data manipulation methods: logical operations/sorting, using outlines and string operation functions	
10/06/2019	Data manipulation methods: filtering Other processing methods: absolute and relative cell referencing	
17/06/2019	Presentation methods – session 2: form controls, graphs/charts, pivot tables, conditional formatting and select data/range Presentation features: font size/style/colour, cell borders/shading, graphics, axis label and titles	
24/06/2019	Learning aim B: assessment practice Drawing conclusions: e.g. trends, patterns, anomalies and possible errors	
01/07/2019	Making recommendations: e.g. who to target advertisements at, where to deploy staff and how to adapt transport schedules The impact of presentation: information being misinterpreted, information being bias and inaccurate conclusions being made	AR4
8/07/2019	Learning aim C: assessment practice Component 2: Learning aim B and C: formal assessment	AR4
15/07/2019	Component 2: Learning aim B and C: formal assessment	