



SUBJECT WJEC ICT Vocational award

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 10	<p>Area of Study: Logo creation, design and planning. Spreadsheet planning, design and creation.</p>	<p>Area of Study: Database, design planning and creation Begin Coursework</p>	<p>Area of Study: User interfaces and evaluation databases Begin coursework</p>	<p>Area of Study: Coursework</p>	<p>Area of Study: Coursework completion</p>	<p>Area of Study: Unit 1 study. Functionality of different hardware devices Functionality of different software Services provided by IT 1.1</p>
	<p>Content: Students will be starting their learning towards their coursework, beginning with logo design and then spreadsheets</p> <ul style="list-style-type: none"> <li>• formula with single operator (+, -, *, /)</li> <li>• brackets to prioritise calculation</li> <li>• simple function SUM, AVERAGE, MAX, MIN, RAND, COUNT, COUNTA, INT/ MOD</li> <li>• relative and absolute referencing</li> <li>• complex functions e.g. IF, nested IF, IF(OR), IF(AND), SUMIF, AVERAGEIF, VLOOKUP, COUNTIF, goal seek, pivot tables</li> <li>• macros to link native function.</li> <li>• 'what if' investigations to change data</li> </ul>	<p>Content: analyse requirements to a specified client brief</p> <ul style="list-style-type: none"> <li>• identify success criteria</li> <li>• identify the different entities within a specified client brief</li> <li>• design a database structure including tables, relationships, forms, queries, reports, fields, primary and foreign keys, data types, field properties, validation</li> <li>rules minimising data redundancy</li> <li>• give detailed justification for field types used</li> <li>• justify their choice of validation rules applied to field types.</li> </ul>	<p>Content: create effective data entry forms that simplify data entry and navigation, include relevant fields and accept data and validation</p> <ul style="list-style-type: none"> <li>• enhance layout of the form to include an image for business purposes</li> <li>• add features and controls that make the system user friendly and allow the user to navigate records, forms, queries and reports easily, visual basic (VB) and/or macro.</li> <li>• provide a test plan and select a range of test data including valid, extreme and erroneous data</li> <li>• give detailed reasons for all testing methods</li> </ul>	<p>Content: Students will complete the coursework brief in these weeks. This is all from content that has been taught in the early part of Year 10.</p>	<p>Content: Students will complete the coursework brief in these weeks. This is all from content that has been taught in the early part of Year 10.</p> <p>Coursework hand in date.</p>	<p>Content: computing devices</p> <ul style="list-style-type: none"> <li>• input devices</li> <li>• output devices</li> <li>• storage devices</li> <li>• basic internal components</li> <li>ports.</li> <li>• system software</li> <li>• applications software</li> <li>• utility software</li> <li>• specialist software</li> <li>• information handling software</li> <li>• open source software</li> <li>• communication software</li> <li>Smart TV</li> <li>• gaming</li> <li>• image capture and manipulation</li> <li>• webcam services</li> </ul>



	<ul style="list-style-type: none"><li>• 'what if' investigations to change formula.</li></ul>	<ul style="list-style-type: none"><li>• create and add tables</li><li>• add fields</li><li>• create a primary key</li><li>• assign appropriate data types</li><li>• apply effective validation rules and error messages</li><li>• link tables using key fields and relationships</li><li>• import data from a given CSV file</li><li>• add, edit and delete records</li><li>• check and test data to ensure it is error free</li><li>• check and test the database to ensure it functions correctly.</li><li>• create select queries, using a query builder including: single table/single criteria; multiple tables/multiple criteria; wildcard; parameter, calculations</li><li>• produce reports from queries, with at least one report showing customisation for fitness of purpose.</li></ul>	<ul style="list-style-type: none"><li>• give evidence for the testing carried out to test plan including evidence of test pass/fail</li><li>• evaluate the testing successes and failures and identify improvements.</li><li>• create a standard document</li><li>• create a source document</li><li>• create appropriately divided fields</li><li>• create appropriate data within the fields</li><li>• create a link between the data source and standard document.</li><li>• insert appropriate fields: address line; subject; salutation/valediction; personalised content within document</li><li>• check accuracy: spelling; grammar; proofread</li><li>• add appropriate formatting and features: letterhead; watermark; autodate; alignment; set line spacing; justification; indexing; automatic fields; bullets; appropriate layout.</li></ul>			
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# Holmer Green Senior School

Work Hard, Be Kind, Have Passion

<b>Support at home</b>	<a href="#">WJEC IT textbook</a>					
<b>Assessments:</b>	<i>Students will on be assessed on their coursework- this is assessed internally and students will receive a grade that will count towards their end of year 11 final grade</i>			<b>Careers in the curriculum:</b> IT consultant IT worker Data analyst Programming		



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 11	Area of Study: 1.2 How data information is used and transferred	Area of Study: 1.3 Legal, moral, ethical, cultural and environmental impacts of IT and the need for cybersecurity	Area of Study: Revision Exam	Area of Study: Coursework x2	Area of Study: Coursework x2	
	Content Why data must be fit for purpose How input data is checked for errors How data transfers over different types of network Different types of Connectivity How legal issues protect computer users	Content Risks to information held on computers The impact of data loss, theft or manipulation on individuals and businesses Methods used to protect information How moral and ethical issues affect computer users The cultural, personal and environmental impact of ICT How a digital footprint can impact computer users	Content Revision of the previous components of the exam and sitting the exam  Re-do of the year 10 coursework to take place	Content Students to retake their coursework from the previous year to look to increase their grade  Actual content tbc by the exam board	Content Students to retake their coursework from the previous year to look to increase their grade  Actual content tbc by the exam board	

<b>Support at home:</b>	<a href="#">WJEC IT textbook</a>
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<b>Assessments:</b>	AP1: 1.1-Hardward devices, data tranfer and how data can be used AP2: 1.2Legal, moral and ethical issues, including cyber security Also the final exam will be sat in January. AP3: N/A	<b>Careers in the Curriculum:</b> Software product manager. Computer Scientist IT systems Manager
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