





# Computing & Business Faculty Curriculum Overview

|        | Term 1 (September-December)   | Term 2 (January-April)  | Term 3 (April-July)   |
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| Year 7 | <p><b><u>New Skills</u></b></p> <ul style="list-style-type: none"> <li>• Creating folders &amp; organising work efficiently</li> <li>• Accessing emails</li> <li>• Evaluate online situations &amp; give appropriate advice</li> <li>• Create storyboards that depict suitable content</li> <li>• Create comics that tell a factual story and offer advice</li> <li>• Peer assessment of work against criteria</li> </ul> <p><b><u>Recalled Skills</u></b></p> <ul style="list-style-type: none"> <li>•</li> </ul> <p><b><u>New Knowledge</u></b></p> <ul style="list-style-type: none"> <li>• Describe what a school network is.</li> <li>• What is appropriate/inappropriate use of school emails</li> <li>• Define key terms linked to online safety</li> <li>• How to deal with or where to get advice from relating to online concerns</li> <li>• What elements a comic should include</li> <li>• Design principles including contrasting colours</li> <li>• How to source high quality assets</li> <li>• Evaluate and review own work against success criteria</li> <li>• Suggest areas of development for own work</li> </ul> <p><b><u>Recalled Knowledge</u></b></p> <p><b><u>Assessment:</u></b><br/>2 online quizzes multiple choice, short/medium answer questions which will include content from whole year.</p> | <p><b><u>New Skills</u></b></p> <ul style="list-style-type: none"> <li>• Using formulas to perform calculations</li> <li>• Creating master slides in presentation software</li> <li>• Interpret and read client briefs to extract key info</li> <li>• Create a high quality presentation with a range of media</li> <li>• Format media and content of presentations</li> <li>• Write a letter for a specific purpose including required elements</li> </ul> <p><b><u>Recalled Skills</u></b></p> <ul style="list-style-type: none"> <li>• Creating folders &amp; organising work (Yr7 HT1)</li> <li>• Accessing software and school network (Yr7 HT1)</li> <li>• Peer assessment of work against criteria (Yr7 HT1)</li> </ul> <p><b><u>New Knowledge</u></b></p> <ul style="list-style-type: none"> <li>• Know what a target audience is and how to alter design to appeal</li> <li>• Know what constitutes a high quality presentation that is suitable to the needs of the task</li> <li>• Know the types of language and features different letters should include</li> <li>• Understand how to manipulate data in a spreadsheet to inform decision making</li> </ul> <p><b><u>Recalled Knowledge</u></b></p> <ul style="list-style-type: none"> <li>• Appropriate use of computers &amp; technology (Yr7 HT1)</li> <li>• Design principles including contrasting colours (Yr7 HT1)</li> <li>• How to source high quality assets (Yr7 HT1)</li> </ul> | <p><b><u>New Skills</u></b></p> <ul style="list-style-type: none"> <li>• Use of inputs &amp; outputs in block based coding</li> <li>• Use of selection in blocked based coding</li> <li>• Use of iteration to get to repeat multiple times</li> <li>• Download coded to an external computer system to control its function</li> <li>• Creating storyboards for animations</li> </ul> <p><b><u>Recalled Skills</u></b></p> <ul style="list-style-type: none"> <li>• Creating folders &amp; organising work (Yr7 HT1)</li> <li>• Accessing the internet and use it correctly (Yr7 HT1)</li> <li>• Accessing Microsoft Teams in order to complete work</li> <li>• Peer assessment of work against criteria</li> <li>• Problem solving (Year 7 HT2)</li> </ul> <p><b><u>New Knowledge</u></b></p> <ul style="list-style-type: none"> <li>• What programming is and its relation to our world</li> <li>• Different types of animations</li> <li>• Purpose of animations and analysing quality</li> </ul> <p><b><u>Recalled Knowledge</u></b></p> <ul style="list-style-type: none"> <li>• Appropriate use of computers &amp; technology (Yr7 HT1)</li> <li>• Design principles including contrasting colours (Yr7 HT2)</li> <li>• How to source high quality assets (Yr7 HT1)</li> <li>• Know what a target audience is and how to alter design to appeal (Yr7 HT2)</li> </ul> <p><b><u>Assessment:</u></b></p> |



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|               | <p>Assessment rubric on MS Teams for this project with age related expectations.<br/>Digital written feedback on comic including literacy in relation to speech bubbles.<br/>Self-evaluation of final piece of work against brief.</p> <p><b>Tier 3 Vocabulary</b> – 1 word to be focussed on per lesson – displayed in teaching PowerPoints and on the board 100% of the time.</p>   | <ul style="list-style-type: none"> <li>Evaluate and review own work against success criteria (Yr7 HT1)</li> <li>Suggest areas of development for own work (Yr7 HT1)</li> </ul> <p><b>Assessment:</b><br/>2 online quizzes multiple choice, short/medium answer questions which will include content from whole year.<br/>Assessment rubric on MS Teams for this project with age related expectations.<br/>Peer feedback on final presentation – score card<br/>Digital written feedback on letter for theme park – literacy</p> <p><b>Tier 3 Vocabulary</b> – 1 word to be focussed on per lesson – displayed in teaching PowerPoints and on the board 100% of the time.</p> | <p>2 online quizzes multiple choice, short/medium answer questions which will include content from whole year.<br/>Assessment rubric on MS Teams for this project with age related expectations.<br/>Digital written feedback on explanations of code in e-workbook.<br/>Hand written feedback on content of animation storyboard and suitability for brief.<br/>Peer assessment of final animation</p> <p><b>Tier 3 Vocabulary</b> – 1 word to be focussed on per lesson – displayed in teaching PowerPoints and on the board 100% of the time.</p>  |
|               | <b>Term 1 (September-December)</b>  | <b>Term 2 (January-April)</b>   | <b>Term 3 (April-July)</b>  |
| <b>Year 8</b> | <p><b>New Skills</b></p> <ul style="list-style-type: none"> <li>Create simple HTML webpages using text tags</li> <li>Create complex HTML webpage using links and media tags</li> <li>Format the content of a HTML webpage using scripting for CSS</li> <li>Create bitmap images</li> <li>Create vector images using a range of tools</li> </ul> <p><b>Recalled Skills</b></p> <ul style="list-style-type: none"> <li>Creating folders &amp; organising work (Yr7 HT1)</li> <li>Accessing emails (Yr7 HT 1)</li> </ul> | <p><b>New Skills</b></p> <ul style="list-style-type: none"> <li>Dismantle a standard computer system</li> <li>Suggest input, output and storage devices for a particular users needs</li> <li>Calculate final output of a logic gate circuit</li> </ul> <p><b>Recalled Skills</b></p> <ul style="list-style-type: none"> <li>Creating folders &amp; organising work efficiently (Yr7 HT1)</li> <li>Accessing emails (Yr7 HT1)</li> <li>Peer assessment of work against criteria (Yr7 HT2)</li> <li>Accessing software and school network (Yr7 HT1)</li> <li>Create simple HTML webpages using text tags (Yr8 HT1)</li> </ul>  | <p><b>New Skills</b></p> <ul style="list-style-type: none"> <li>Creating effective storyboards for a video trailer</li> <li>Analysing existing videos to highlight areas of development</li> <li>Manipulate assets in video editing software</li> <li>Creation of functioning apps for a specific task</li> </ul> <p><b>Recalled Skills</b></p> <ul style="list-style-type: none"> <li>Creating folders &amp; organising work (Yr7 HT1)</li> <li>Accessing emails (Yr7 HT1)</li> <li>Peer assessment of work against criteria (Yr7 HT1)</li> <li>Accessing software and school network (Yr7 HT1)</li> <li>What a storyboard is (Yr7 HT3)</li> </ul> |




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| <ul style="list-style-type: none"> <li>Peer assessment of work with criteria (Yr7 HT 2)</li> <li>Accessing software and school network (Yr7)</li> </ul> <p><b>New Knowledge</b></p> <ul style="list-style-type: none"> <li>Understand the purpose of HTML</li> <li>Different between WWW &amp; The internet</li> <li>Different types of images – Vector/Bitmap</li> <li>How to export created images into a suitable format</li> </ul> <p><b>Recalled Knowledge</b></p> <ul style="list-style-type: none"> <li>Evaluate and review own work against success criteria (Yr7)</li> <li>Suggest areas of development for own work (Yr7)</li> <li>Design principles e.g. contrasting colours (Yr7 HT2)</li> <li>How to source high quality assets (Yr7 HT 1)</li> </ul> <p><b>Assessment:</b><br/>2 online quizzes multiple choice, short/medium answer questions including content from whole of year 7 &amp; 8. Assessment rubric on MS Teams for this project with age related expectations.<br/>Peer assessment of digital graphic &amp; digital feedback on suitability.<br/>Digital feedback on explanations of HTML scripts.</p> <p><b>Tier 3 Vocabulary</b> – 1 word to be focussed on per lesson – displayed in teaching PowerPoints and on the board 100% of the time.</p> | <ul style="list-style-type: none"> <li>Create complex HTML webpage using links and media tags (Yr8 HT1)</li> <li>Format the content of a HTML webpage using scripting for CSS (Yr8 HT18)</li> <li>Create bitmap images (Yr8 HT1)</li> <li>Create vector images using a range of tools (Yr8 HT1)</li> </ul> <p><b>New Knowledge</b></p> <ul style="list-style-type: none"> <li>List examples of computers accessed in everyday life</li> <li>Name internal components of a PC</li> <li>Know what a CPU is and its purpose</li> <li>Name different types of storage devices and where they are used</li> <li>Different types of networks</li> <li>Name logic gates and explain how they function</li> </ul> <p><b>Recalled Knowledge</b></p> <ul style="list-style-type: none"> <li>Evaluate own work against success criteria (Yr7 HT1)</li> <li>Suggest areas of development for own work (Yr7 HT1)</li> <li>Describe what a school network is. (Yr7 HT3)</li> </ul> <p><b>Assessment:</b><br/>2 online quizzes multiple choice, short/medium answer questions including content from whole of year 7 &amp; 8. Assessment rubric on MS Teams for this project with age related expectations. Digital feedback on annotations of script for HTML – Literacy/vocab</p> <p><b>Tier 3 Vocabulary</b> – 1 word to be focussed on per lesson – displayed in teaching PowerPoints and on the board 100% of the time.</p> | <ul style="list-style-type: none"> <li>Use of inputs/outputs in block based coding (Yr7 HT3)</li> <li>Use of selection in blocked based coding (Yr7 HT3)</li> <li>Use of iteration to repeat code (Yr7 HT3)</li> <li>Download coded to an external computer system to control its function (Yr7 HT3)</li> <li>Creating storyboards for animations (Yr7 HT3)</li> </ul> <p><b>New Knowledge</b></p> <ul style="list-style-type: none"> <li>The features a good quality video advert should include</li> <li>How to use advanced search techniques on Google</li> <li>Suggest areas of development for own work</li> </ul> <p><b>Recalled Knowledge</b></p> <ul style="list-style-type: none"> <li>How to source high quality assets (Yr7 HT1)</li> <li>Evaluate and review own work against success criteria (Yr7 HT1)</li> </ul> <p><b>Assessment:</b><br/>2 online quizzes multiple choice, short/medium answer questions including content from whole of year 7 &amp; 8. Assessment rubric on MS Teams for this project with age related expectations. Written feedback on the design of apps and annotations. Digital Feedback on explanations of how the app is controlled and reasons why it is suitable to target audience.</p> <p><b>Tier 3 Vocabulary</b> – 1 word to be focussed on per lesson – displayed in teaching PowerPoints and on the board 100% of the time.</p> |
| <p><b>Term 1 (September-December)</b></p>   | <p><b>Term 2 (January-April)</b></p>  | <p><b>Term 3 (April-July)</b></p>  |



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| <p><b>Year 9</b></p> | <p><b><u>New Skills</u></b></p> <ul style="list-style-type: none"> <li>Identify good &amp; poor quality examples of websites.</li> <li>Using vector &amp; bitmap skills to create a logo</li> </ul> <p><b><u>Recalled Skills</u></b></p> <ul style="list-style-type: none"> <li>Analysing existing products (Yr8 HT 3)</li> <li>Creating folders &amp; organising work efficiently (Yr7 HT1)</li> <li>Accessing emails (Yr7 HT1)</li> <li>Peer assessment of work against criteria (Yr7 HT2)</li> <li>Accessing software and school network (Yr7 HT2)</li> <li>Create bitmap images (Yr8 HT3)</li> <li>Create vector images using a range of tools (Yr8 HT1/2)</li> </ul> <p><b><u>New Knowledge</u></b></p> <ul style="list-style-type: none"> <li>Name features/elements of websites</li> <li>Explain what a master page is and why they are helpful.</li> <li>What constitutes a good and effective logo?</li> </ul> <p><b><u>Recalled Knowledge</u></b></p> <ul style="list-style-type: none"> <li>Evaluate and review own work against success criteria (Yr7 HT1)</li> <li>Suggest areas of development for own work (Yr7 HT1)</li> <li>Design principles including contrasting colours (Yr7 HT2)</li> <li>How to source high quality assets (Yr7 HT2)</li> <li>How to use advanced search techniques on Google (Yr7 HT2)</li> </ul> <p><b><u>Assessment:</u></b></p> | <p><b><u>New Skills</u></b></p> <ul style="list-style-type: none"> <li>Use of lists and arrays within programming</li> <li>Use of complex selection techniques in coding</li> <li>Produce code to solve a problem independently</li> </ul> <p><b><u>Recalled Skills</u></b></p> <ul style="list-style-type: none"> <li>Creating folders &amp; organising work efficiently (Yr7 HT1)</li> <li>Accessing emails (Yr7 HT1)</li> <li>Peer assessment of work against criteria (Yr7)</li> <li>Accessing software and school network (Yr7)</li> <li>Use of inputs &amp; outputs in block based coding (Yr7 HT3 &amp; Yr8 HT3)</li> <li>Use of selection in blocked based coding (Yr7 HT3 &amp; Yr8 HT3)</li> <li>Use of iteration to get to repeat multiple times (Yr7 HT3 &amp; Yr8 HT3)</li> </ul> <p><b><u>New Knowledge</u></b></p> <ul style="list-style-type: none"> <li>The difference between graphical, block and text based programming</li> <li>What meaning variables names are and how to spot them?</li> <li>How to explain code and use subject vocabulary when describing how it functions.</li> <li>Binary arithmetic – Addition/conversion</li> <li>Spot and explain simple syntax errors and explain why it is an error.</li> </ul> <p><b><u>Recalled Knowledge</u></b></p> <ul style="list-style-type: none"> <li>What binary is and why it is used in computer architecture. (Yr8 HT2)</li> <li>What programming is and its relation to our world (Yr7 HT3)</li> </ul> <p><b><u>Assessment:</u></b></p> | <p><b><u>New Skills</u></b></p> <ul style="list-style-type: none"> <li>Identify successful businesses and why they are successful</li> <li>Professional/formal presentation skills</li> <li>Collaborative learning in large groups with assigned roles</li> <li>Use a range of tools to edit sourced bitmap images</li> <li>Combine vectors and bitmap images to create complete graphics</li> </ul> <p><b><u>Recalled Skills</u></b></p> <ul style="list-style-type: none"> <li>Creating folders &amp; organising work efficiently (Yr7)</li> <li>Accessing emails (Yr7)</li> <li>Peer assessment of work against criteria (Yr7)</li> <li>Accessing software and school network (Yr7)</li> <li>Group speaking (Yr7 &amp; 8)</li> </ul> <p><b><u>New Knowledge</u></b></p> <ul style="list-style-type: none"> <li>Define what a business/enterprise is</li> <li>List common features of a business</li> <li>4 p's of marketing</li> <li>What is a digital graphic &amp; Types of digital graphics?</li> </ul> <p><b><u>Recalled Knowledge</u></b></p> <ul style="list-style-type: none"> <li>Design principles including contrasting colours (Yr7 HT1, Yr8 HT3 &amp; Yr9 HT1)</li> <li>Know what a target audience is and how to alter design to appeal(Yr7 HT1, Yr8 HT3 &amp; Yr9 HT1)</li> <li>How to source high quality assets (Yr7)</li> <li>Evaluate and review own work against success criteria (Yr7)</li> <li>How to use advanced search techniques on Google (Yr7)</li> </ul> <p><b><u>Assessment:</u></b></p> |
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| <p>2 online quizzes multiple choice, short/medium answer questions including content from whole of year 7 &amp; 8. Assessment rubric on MS Teams for this project with age related expectations.</p> <p>Wire Frame/Layout design for webpages written feedback<br/>Peer assessment of website after 50% build time<br/>Extended writing task – Evaluation – literacy</p> <p><b>Tier 3 Vocabulary</b> – 1 word to be focussed on per lesson – displayed in teaching PowerPoints and on the board 100% of the time.</p> | <p>2 online quizzes multiple choice, short/medium answer questions including content from whole of year 7 &amp; 8. Assessment rubric on MS Teams for this project with age related expectations.</p> <p>Digital feedback on explanations of how code works and screenshot evidence.</p> <p>Digital feedback on coding challenge solution and literacy comments relating to annotations.</p> <p><b>Tier 3 Vocabulary</b> – 1 word to be focussed on per lesson – displayed in teaching PowerPoints and on the board 100% of the time.</p> | <p>2 online quizzes multiple choice, short/medium answer questions including content from whole of year 7 &amp; 8. Assessment rubric on MS Teams for this project with age related expectations. Score card/peer assessment and verbal feedback on presentation. Written/digital feedback on logo and ideas.</p> <p>Written feedback on initial design for digital image with design redrafted.</p> <p>Written feedback on evaluation with a focus on literacy.</p> <p><b>Tier 3 Vocabulary</b> – 1 word to be focussed on per lesson – displayed in teaching PowerPoints and on the board 100% of the time.</p> |
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