

## MERBEIN P-10 ICT COURSE OUTLINE (Vic Curriculum based)

<u>Year</u>	Digital Systems	Data and Information	Creating Digital Solutions
<b>P</b>			
<b>1</b>			
<b>2</b>			
<b>3</b>			
<b>4</b>			
<b>5</b>			
<b>6</b>			
<b>7</b>	<ul style="list-style-type: none"> <li>• File Extensions/Types</li> </ul>	<ul style="list-style-type: none"> <li>• PowerPoint – 10 Favourite Things</li> <li>• PowerPoint – embedding videos from YouTube</li> <li>• Cybersmart</li> <li>• #GameOn videos</li> <li>• Email Task/Story</li> <li>• Unplugged – Binary bracelets</li> <li>• Excel – Family Feud Graphing</li> </ul>	<ul style="list-style-type: none"> <li>• Webpage – Parts of a webpage, Evaluate a webpage</li> <li>• Scratch / Unplugged</li> <li>• Publisher – Advertising poster &amp; design concepts</li> <li>• PowerPoint – Quiz game</li> </ul>
<b>8</b>	<ul style="list-style-type: none"> <li>• File extensions/Types</li> <li>• Mobile Phone networks</li> </ul>	<ul style="list-style-type: none"> <li>• Excel – general formulas and exam</li> <li>• Excel – Pixel Art</li> <li>• Unplugged – Binary Numbers</li> <li>• Google – Emerging or history of technology</li> <li>• Graphs in the Real World; ABS data</li> <li>• Cybersmart</li> <li>• #Tagged video</li> </ul>	<ul style="list-style-type: none"> <li>• PowerPoint – Superhero Presentation</li> <li>• Photoshop – edited holiday photos</li> <li>• Movie Studio Platinum – movie trailer mash up</li> <li>• Excel – Graphs in the real world</li> <li>• Lightbot / Unplugged activities</li> </ul>
<b>8 ICTP</b>		<ul style="list-style-type: none"> <li>• Sploder/Flowlab – online game making</li> <li>• 3D Design - Google Sketchup</li> <li>• Design – Wild Times Zoo Unit</li> <li>• Stop Go Motion</li> </ul>	<ul style="list-style-type: none"> <li>• Unplugged – Mad Glibs “Abstraction”</li> <li>• 3D Design – Lego Designer</li> <li>• Design – Wild Times Zoo Unit, with student to student evaluation.</li> <li>• Code.org</li> <li>• 3D Design – Google Sketchup</li> </ul>

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<b>9/10 MME</b>	<ul style="list-style-type: none"> <li>• Programs for purpose; which programs are best suited to create which product</li> </ul>	<ul style="list-style-type: none"> <li>• Movie Making; Codecs - Preparing movies for transmission.</li> <li>• School Magazine; best programs to create elements, best quality images</li> <li>• School Magazine; converting .pub to .pdf, combining .pdf files</li> <li>• Legalities of Publishing Online</li> </ul>	<ul style="list-style-type: none"> <li>• Website Design; Evaluate and improve a website design</li> <li>• School Magazine; planning layout, comparing to previous magazines, work as a part of a larger team to create elements, critically look at past magazines to find future improvements.</li> <li>• Movie Making; storyboard before creation, work in a small group to create different elements</li> <li>• Movie Studio Platinum – Cracked Video</li> </ul>
<b>9/10 DTP</b>	<ul style="list-style-type: none"> <li>• Design Principles; Printing options - quality</li> </ul>	<ul style="list-style-type: none"> <li>• Design Principles</li> <li>• Image types</li> <li>• Copyright of images</li> <li>• Password protection</li> <li>• Excel – pivot tables, formulas, absolute cell referencing, SQL, lookup tables.</li> <li>• Create an excel spreadsheet for a real world situation.</li> <li>• Advertising Project; Google forms – market research, compare online to paper, mail merge</li> </ul>	<ul style="list-style-type: none"> <li>• Design Principles; good design etc.</li> <li>• Advertising Project; Evaluate and improve a digitally designed 'poster' etc.</li> <li>• Advertising for a specific purpose or product, finding and influencing potential customers</li> <li>• Advertising Project; get feedback from peers, work in a small group to create different elements.</li> <li>• Excel</li> </ul>
<b>9/10 INFO</b>	<ul style="list-style-type: none"> <li>• Encryption? Advanced students</li> <li>• Compare 2 operating systems</li> <li>• Robotics</li> <li>• Network designs</li> </ul>	<ul style="list-style-type: none"> <li>• Compression of data – file types, zip files</li> <li>• Info Basics; Password protection, CAPTCHA</li> <li>• Combining data from multiple sources.</li> <li>• Network designs / networking</li> <li>• Intellectual Property; code, robotics, Facebook example</li> </ul>	<ul style="list-style-type: none"> <li>• HTML; edit and improve an existing webpage using Microsoft Expressions</li> <li>• Evaluate</li> <li>• Code academy; HTML, JavaScript and/or Python</li> <li>• Game Design; work as a group to create different elements.</li> <li>• Code academy; HTML, JavaScript and/or Python.</li> </ul>

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