

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

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

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

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