

Year 12 ICT

Year Calendar Plan		
Dates	Lesson Focus	Assessment/Revision
Term 1	<p>Units 9 and 11 – Create notes on the Systems Life Cycle (SLC) (9P1 11P1) Create notes on and compare Waterfall, Spiral and Scrum (9M1 11M1) Complete the contextual application of M1 to contexts (9D1) Create introduction to project and outline of problem, success criteria and feasibility study (9P2 11P2). Investigate 3 products on the market (9P2) Use 3 methods of investigation to find out more about the current problems (11P3)</p>	<p>Unit 9 P1, M1, D1, P2 Unit 11 P1, M1, P2</p>
Term 2	<p>Creating designs for the proposed system interfaces (9P3 11P5) Create a hardware requirements report for the proposed system (11P6) Create Flowcharts, DFDs and a Jackson Structure chart for the system (11P4) Create ERDs, hierarchical tree and bubble chart for the system (11P4) Create an event life history diagram for the system and an activity diagram (11P4) Create a use case, activity, and interaction diagram for the system (11M2) Evaluate the effectiveness of the designs in meeting the requirements (11D1) Present the designs to the client and gain feedback (11M3, 9M2) Make improvements to the designs and have these agreed by the client. (11D2)</p>	<p>Unit 9 P3, M2 Unit 11 P4, P5, P6, M2, M3, D1, D2</p>
Term 3	<p>Create the system, print screen the components and explain what they are / what they are doing (9P4) FILL OUT A PRODUCTION DIARY EVERY TIME YOU WORK ON THE SYSTEM (9P5) Create and complete functional and user acceptance test plans, include at least 2 improvements to the system (9P6) Carry out a project hand over with the client (9P6)</p>	<p>Unit 9 P4, P5, P6</p>
Term 4	<p>Unit 1 content. Section 1 – Computer hardware, computer components, types of computer systems, connectivity methods, communications hardware, hardware trouble shooting, binary decimal and Hex. Section 2 – Types of software, Applications software, utility software operating systems</p>	<p>Labelling a motherboard Conversion between binary, hex and denary PC – all content covered so far.</p>
Term 5	<p>Unit 1 content Section 2 - Software trouble shooting, protocols and standards. Section 3 – Types of servers, Virtualisation, Networking characteristics, Connectivity methods, Business systems. Section 4 – Communication skills, technology, Personal attributes, Ready to work, Job roles, Professional bodies, Industry certification.</p>	<p>Networking diagram for given context Creating an ICT CV PC – all content covered in terms 1 and 2</p>
Term 6	<p>Unit 1 content Section 5 – ethical issues, operational issues, threats, physical security, digital (logical) security, disposal of data. Unit 2 content Section 1 – Holders of information, storage media, types of access, the internet, the world wide web, Information formats, advantages and disadvantages for individuals and organisations, information styles and classification, quality of information.</p>	<p>Essay on security procedures in a business / organisation. Creation of work policies for businesses / organisations. Data investigation task. PC – all content covered in terms 1, 2 and 3</p>