Year 13
ICT

Year Calendar Plan		
Dates	**Lesson Focus**	**Assessment/Revision**
Year 12 term 6	**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)	Unit 9 P1, M1, D1, P2 Unit 11 P1, M1, P2, P3
Term 1	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)	Unit 9 P3, M2 Unit 11 P4, P5, P6, M2, M3, D1, D2 “Big 6” Spaced Repetition every Thursday PC1 Unit 1 exam paper (revisited)
Term 2	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)	Unit 9 P4, P5, P6 PC 2 Trial Exam (unit 2 Revisited)
Term 3	**Unit 3 Content Revision** Learning outcome 1 Types of cyber security incidents Importance of cyber security Learning Outcome 2 Threats to cyber security Types of attackers Motivation for attackers Impacts of cyber security incidents. Ethical, legal operational implications. Learning outcome 3 Cyber security risk management Testing and monitoring measures Cyber security controls Learning outcome 4 Responding to an incident Cyber security incident report **Unit 1 Content revision** 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 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	Labelling a motherboard Conversion between binary, hex and denary PC – all content covered so far unit 1 and Unit 3 Past questions
Term 4	**Unit 2 content revision** Section 1: Understand where information is held globally and how it is transmitted Section 2: Understand the styles, classification and the management of global information Section 3: Understand the use of global information and the benefits to individuals and organisations Section 4: Understand the legal and regulatory framework governing the storage and use of global information Section 5: Understand the process flow of information Section 6: Understand the principles of information security	Networking diagram for given context Creating an ICT CV PC – all content covered in terms 3 and 4 to date
Term 5	Unit 1, 2, 3 revision	Essay on security procedures in a business / organisation. reation of work policies for businesses / organisations. Data investigation task. PC – all content covered in terms 3, 4 and 5 to date
Term 6	Unit 1, 2, 3 revision if needed depending on external exam timetable	