







SUBJECT A Level ICT Year 13 LP1

<p>This half term: Skills, Knowledge and Understanding to be developed: In my A2 ICT lessons this half term I will be introduced to the course.</p> <p>The A Level course for year 13 is split into two units, that will compromise 60% of the total A Level Course: IT3 – 36%, 2 hours 30 minutes written paper – June 2023 – Use and Impact of ICT. IT4 – 24% coursework – April 2023 – Relational Database Project.</p>		<p>Key Terms / Words: Entity Relationship Diagram, Aims, Objectives, peer to peer, client server, disaster recovery planning, remote management, auditing, configuration management. Normalisation, data dictionary, query languages, DBMS, Distributed databases. E-commerce, ADSL, FTTP, SDSL, FTTC.</p>	
<p>LP 1 – Week 1 Learning Outcomes: <i>Topic 10 - FME</i> <i>Topic 1 – Networks – NF</i></p> <ul style="list-style-type: none"> Students will understand the main components of SDLC. Students will know how to investigate existing systems. Students will be able to re-draft the summary and detailed components of an Entity Relationship Diagram. Students will understand the different network topologies with their associated the advantages and disadvantages. Students will understand which topologies are suitable for LAN and WAN. <p><u>Supervised study</u> Exam question on network topologies</p>		<p>Success Criteria:</p> <ol style="list-style-type: none"> Student can investigate existing systems. Students can re-draft their ERD. Students can identify network topologies. 	<p>Homework LP1: 1</p> <ul style="list-style-type: none"> Database skills
<p>LP 1 – Week 2 Learning Outcomes: <i>Coursework + Topic 10 - FME</i> <i>Topic 1 – Networks - NF</i></p> <ul style="list-style-type: none"> Students will re-draft the aims and objectives of their database system. Students will know how to analyse existing systems. Students will understand the types of networks available e.g. client/server and peer to peer networks. <p><u>Supervised study</u> Exam question on System investigation</p>		<p>Success Criteria:</p> <ol style="list-style-type: none"> Students will redraft Aims and objectives of their system. Students can identify peer to peer/client server networks. 	<p>Homework LP1: 2</p> <ul style="list-style-type: none"> Database skills Revision for topic test
<p>LP 1 – Week 3 Learning Outcomes: <i>Topic 10 & Coursework - FME</i> <i>Topic 1 – Networks – NF</i></p> <ul style="list-style-type: none"> Students will understand the importance good system design. Student will know the alternative system development methodologies with advantages and disadvantages. Students will know the advantages and disadvantages of wireless networking. <p><u>Supervised study</u> Exam question on networks</p>	 <div style="border: 2px solid red; padding: 5px; display: inline-block; text-align: center;"> <p>APP1 Grade</p> </div>	<p>Success Criteria:</p> <ol style="list-style-type: none"> Test on Topic 1 and 10 Students can identify alternative system development methodologies. Students can identify good system design. Students can identify advantages/disadvantages of wireless networking. 	<p>Homework LP1: 3</p> <ul style="list-style-type: none"> Database skills Revision for topic test

<p>LP1 – Week 4 Learning Outcomes: Coursework – FME Topic 1 – Networks - NF</p> <ul style="list-style-type: none"> Students will understand the process of data normalisation. Students know how to normalise data. Students will understand the factors which influence choice when choosing a network for a company. <p><u>Supervised study</u> Coursework Data normalisation</p>		<p>Success Criteria</p> <ol style="list-style-type: none"> Students can identify factors which influence choosing a network. Students can normalise data. 	<p>Homework LP1: 4</p> <ul style="list-style-type: none"> Database skills
<p>LP 1 – Week 5 Learning Outcomes: Coursework – FME Topic 1 – Networks - NF</p> <ul style="list-style-type: none"> Students will understand the different changeover strategies. Students will understand the importance of system implementation. Students will know parts of the data dictionary. Student will identify software components of a network. <p><u>Supervised study</u> Coursework - create a data dictionary</p>		<p>Success Criteria:</p> <ol style="list-style-type: none"> Students can identify different changeover strategies. Students can identify software components of a network. 	<p>Homework LP1: 5</p> <ul style="list-style-type: none"> Database skills
<p>LP 1 – Week 6 Learning Outcomes: Coursework & Topic 10– FME Topic 2 – The Internet - NF</p> <ul style="list-style-type: none"> Students will be able to define technical and user documentation. Students will understand the various maintenance issues. Students will understand the moral issues associated with the Internet. <p><u>Supervised study</u> Coursework - re-draft data dictionary</p>		<p>Success Criteria:</p> <ol style="list-style-type: none"> Students can identify technical and user documentation. Students can identify cable and mobile access to the internet. Students can discuss the moral issues of the internet. 	<p>Homework LP1: 6</p> <ul style="list-style-type: none"> Revision for topic test Database skills
<p>LP 1 – Week 7 Learning Outcomes: Coursework – FME Topic 2 – The Internet - NF</p> <ul style="list-style-type: none"> Students will undertake a test on Topic 1 + 10. Students will identify the need for a user interface, design and create a splash screen. Students will understand the social issues associated with the Internet. <p><u>Supervised study</u> Coursework - re-draft data normalisation</p>	<div style="border: 2px solid red; padding: 5px; text-align: center;"> <p>SA Grade</p>  </div>	<p>Success Criteria:</p> <ol style="list-style-type: none"> Students will create a splash screen and login window. Students can discuss the social issues of the internet. 	<p>Homework LP1: 7</p> <ul style="list-style-type: none"> Revision for topic test Database skills
<p>LP 1 – Week 8 Learning Outcomes: Coursework + Topic 10 – FME Topic 2 – The Internet - NF</p>		<p>Success Criteria:</p> <ol style="list-style-type: none"> Students can discuss the system evaluation. 	<p>Homework LP1: 8</p> <ul style="list-style-type: none"> Revision for topic test Database skills

<ul style="list-style-type: none">• Students will understand the criteria for evaluating a system.• Students will understand the tools for gathering information.• Students will understand methods for avoiding post implementation costs.• Students will understand the ethical issues associated with the Internet.• <p><u>Supervised study</u> Coursework - re-draft ERD</p>		2. Students can discuss the ethical issues of the internet.	
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