Year 11 ICT Timetable

W/C	TOPICS	ACTIVITIES
26.02	• Networking – Home networks • Wired and wireless – Strengths and weaknesses • How bandwidth and latency impact on networks.	*N:\Teaching\ICT\GCSE ICT\UNIT 1\TO COVER IN YEAR 11 - ALL PREPARED\Lesson 1 Home networking* *Group activities comparing one another's home networks, including hardware required to connect to a network.* *Research task identifying and describing the role of different hardware and their purpose within a network setup. Sample home network examples for those who may not have access to a network.* *Debate / presentation for and against the use of wired connections against wireless.* *N:\Teaching\ICT\GCSE ICT\UNIT 1\TO COVER IN YEAR 11 - ALL PREPARED\Lesson 2 - Bandwidth and Latency* *Identification of the difference between bandwidth and latency and how one can impact on the other. Practical activity of having a larger bandwidth (thicker shaped cones – example) and how more data can pass through.* *Likewise, practical task on latency and how the lag time will delay data being transmitted.* *Past paper questions including a mixture of multiple choice, definition, description and comparison of bandwidth and latency.*
05.03	• Network Security • The Internet	*N:\Teaching\ICT\GCSE ICT\UNIT 1\TO COVER IN YEAR 11 - ALL PREPARED\Lesson 13 Networks and Security* *Students identify baseline knowledge of security threats they are already familiar with.* *More detail and description offered regarding remote access, interception.* *Prevention methods then compared and applied appropriately to the given threat.* *N:\Teaching\ICT\GCSE ICT\UNIT 1\TO COVER IN YEAR 11 - ALL PREPARED\Lesson 14 The Internet* *Recall knowledge of networks, particularly hardware and security.*

		Link internet to previous topics – networks, security, businesses and general impact of the internet on these. *Recall key words – VOIP, ISP, VLE, Bandwidth, and Latency.* *Past paper questions to embed knowledge and understanding.*
12.03	• Internet advertising and marketing • Transactional Data	*N:\Teaching\ICT\GCSE ICT\UNIT 1\TO COVER IN YEAR 11 - ALL PREPARED\Lesson 10 Internet Advertising and transactional data* *Independent task finding different examples of internet advertising (set as prior task homework to bring into lesson- social media being a big example).* *Analysis of these different methods of advertising: - who are they aimed at, - how is the advertising carried out, where can it be found?* *Independent research task to view transactional data and find examples.* *Students must visit a clothing website and few a handful of items. Students then revisit a separate website which includes advertisements and see if their products appear within the adverts.* *Past paper questions – usually mixture of multiple choice, description and larger mark , including debating how ethical the use of transactional advertising / data is.*
19.03	• Impact on Organisations • Software	*N:\Teaching\ICT\GCSE ICT\UNIT 1\TO COVER IN YEAR 11 - ALL PREPARED\Lesson 12 Impact on Organisations* *Journey through the development of businesses as a result of technology – considering both pros and cons.* *Including:* - *Marketing / Advertising* - *Devices* - *Storage* - *Cyber Security* *These type of questions usually form larger mark tasks. Students therefore assigned an essay to discuss the impact that technology has on organisations, considering all angles.* *N:\Teaching\ICT\GCSE ICT\UNIT 1\TO COVER IN YEAR 11 - ALL PREPARED\Lesson 16 Software* *Identificaiton of the different types of software:* - *Off the shelf* - *Bespoke*

	• Storage	- *Open source* - *Proprietary* *Opportunity for students to use and analyse each of these types of software and use this research to formulate a series of advantages and disadvantages against each.* *N:\Teaching\ICT\GCSE ICT\UNIT 1\TO COVER IN YEAR 11 - ALL PREPARED\Lesson 20 Storage* *Recall on previous knowledge of storage, including different storage types and benefits of using both / either. Consider the introduction of cloud storage, including reasons for its growth and what risks – show google servers room : https://www.youtube.com/watch?v=XZmGGAbHqa0*
26.04	• Creation of knowledge • Sustainability	*N:\Teaching\ICT\GCSE ICT\UNIT 1\TO COVER IN YEAR 11 - ALL PREPARED\Lesson 21 - The creation of knowledge* *Both of these topics form large mark questions in the exam. This is where students will be expected to give their views for and / or against the use of technology, including discussions about how it is sustained / inaccessible etc. This lesson will form that debate, where students will build up a bank of ideas for and against and reasons for each of the given topics and practice large mark answers.*
EASTER HOLIDAYS		
16.04	Exam Preparation	*Last mock paper (previous mock papers carried out, students were in the middle of coursework as the priority and therefore not focussing as much on theory). This mock should give a clear indication of how students are performing when focussing solely on theory.* *Mock paper completed and reviewed, correcting mistakes where necessary.*
23.04	Exam Preparation	*Recalling previous knowledge from the following topics:* - *Devices (first 6 questions of the exam paper are multiple choice where students identify features of given devices).* - *Entertainment*

		- *Smart phones – phone features including hardware and software. Methods of communication via smart phones.* - *Online shopping – Payment methods, security methods associated.*
30.04	Exam Preparation	*Recalling previous knowledge from the following topics:* - *Banking – Risks and protection. Use of the padlock and HTTPs to improve security. How phishing has been impacted on the trustworthiness of online banking.* - *Health and wellbeing – the pros and cons of using technology. Usually formulate 2-6 mark questions.*
07.04	Exam Preparation	*Past paper question prep.*
EXAM		