Subject: Cambridge Technicals ICT

Link Teacher/s: MKE,NAH,MBL,FRI

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| **Welcome** | *Cambridge Technicals ICT Level 3 introductory Diploma is a 2 year linear course which focuses on preparing students for a role as a digital business practitioner through the research and discussion of IT applications which can be used to solve business problems. They will develop skills to identify the most suitable channel to communicate a business need, create content and use social media tools available to publish this content. They will also learn the skills required to support the needs of business through data analysis and decision making and learn about the design fundamentals, software and hardware required to create computer generated visual products to meet business needs.* |
| **Course Summary / Expectations** | *This course is Level 3 Cambridge Technical Introductory Diploma in IT, which requires a certain pathway chosen by school and can be completed within 2 years. It contain 6 units out of which 2 are externally assessed and rest of them internally moderated.*  First year  2 Exam Units  External assessments: 2 exam units will be assessed externally by Exam board   * Units 1, 2 and 6 are mandatory units and make up 66% of overall marks.   Second Year  3 Units: 1 Mandatory and 2 Optional, Chosen by ICT Department  Internal Assessment : 2 optional units and 1 mandatory unit will be assessed internally and then moderated by the exam board  Unit 1 – Fundamentals of IT (All qualification sizes)  • *1 hour 30 minutes’ exam*  *• 80 marks*  *• Part A – approx. 18-20% multiple choice. Part B short*  *answer questions (no more than 10 marks per question)*  *• It will be paper based*  Unit 2 – Global Information (All qualification sizes)   * *1 hour 30 minutes exam*   *• 80 marks*  *• Part A short-answer questions based on pre-release research brief (42 marks). Part B short-answer questions not based on the case study (38 marks). ( Maximum 10 marks per question)*  *• Pre-release approx. 6-8 weeks prior to the exam.*  *• A clean copy of this pre-release material will be given to learners with the question paper (no notes)*  *• It will be paper based*  Level 3 Cambridge Technical Extended Certificate and Level 3 Cambridge Technical  Introductory Diploma - 360GLH   | Grade | UCAS Tariff points | | --- | --- | | D\* | 56 | | D | 48 | | M | 32 | | P | 16 | |
| **Tasks to Complete** | ***1****.* ***Research 3 ICT-related jobs which require data analytic skills. For each one, state****:*  *a. The job role.*  *b. The potential salary.*  *c. The skills that you currently have which are relevant.*  *d. Skills which you believe will be developed in the course.*  *e. Experience that you will need (work experience).*  ***2. Research each of the following computer components. Explain the purpose of each***  ***component****.*  *a. Processor*  *b. Motherboard*  *c. Storage (hard drive, solid state, flash)*  *d. Ports (USB, Firewire, Ethernet)*  *e. Memory (RAM, ROM, Cache*  *f. Expansion cards (sound, network, graphics)*  ***3.******Create a document explaining the characteristics of each type of computer named***  ***below. For each, discuss where and how they are used, benefits and limitations,***  ***and scenarios where they would be appropriate to use.***  *a. Desktop*  *b. Tablet*  *c. Smartphone*  *d. Mainframe* |
| **Summer Reading** | textbook |
| **Useful Websites/ Resources** | *Websites, documentaries, YouTube clips etc.*  <https://getrevising.co.uk/resources/ocr-cambridge-technicals-level-3-it-unit-3-cyber-security-revision-notes>  <https://www.interactiveclassroom.net/?page_id=667>  [www.stangroundcomputing.com](http://www.stangroundcomputing.com) |
| **Key Terms/ Glossary** | *Desktop*  *Tablet*  *Smartphone*  *Mainframe*  *Processor*  *Motherboard*  *Storage (hard drive, solid state, flash)*  *Ports (USB, Firewire, Ethernet)*  *Memory (RAM, ROM, Cache )*  *network, graphics* |