Curriculum Information Bramcote College

Year Group: Year 12

Subject: IT (Cambridge Technical)

Objectives/purpose	The Cambridge Technical IT course is a vocational qualification that is equivalent to an A level. During the course students will complete two external examinations and create three portfolios of coursework. The Cambridge Technical qualification in IT is designed to allow students to gain an insight into the IT sector as they investigate the pace of technological change, IT infrastructure on a global scale, and the importance of legal and security considerations. They will prepare for two external examinations in Year 12 that assess their ability to recall and apply IT theory in a range of contexts. In Year 13 students gain hands-on experience and have the opportunity to focus on specific topics such as Augmented reality and virtual reality, The Internet of Everything and digital marketing. Unit 1 Fundamentals of IT This unit is the foundation for this qualification and it is designed to give students the underpinning synoptic knowledge that will prepare them to study this suite of qualifications. It is a mandatory externally assessed unit for all sizes and pathways within the suite. Students will learn about computer hardware and software. They will gain an understanding of how to perform hardware and software maintenance and how to keep safe while they perform these tasks. They'll also learn about the benefits to them and businesses of using IT and the internet to help prepare them for a career in the Information Technology sector Unit 2 Global information This unit will provide students with a greater understanding of how organisations use information sources both internally and externally and the types of information they will encounter. The skills gained by completing this unit will give them knowledge of the functionality of information and how data is stored and processed by organisations.
Autumn Term	Unit 1 – Fundamentals of IT - L01, L02, L03 Understanding computer hardware, software and IT systems Unit 2 – Global information - L01, LO2, LO3 Understand where information is held globally, information styles, classification and management, uses of information (Resit Unit 1 and 2 if required)
Spring Term	Unit 1 – Fundamentals of IT - L04, L05 Employability and communication skills, Ethics and operational issues Unit 2 - Global information - L04, L05 Legal and regulatory frameworks, data flow and the principles of information security
Summer Term	Exam preparation Unit 1 and 2 Unit 17 Internet of Everything

How is progress measured?	Throughout the schemes of work students, are frequently asked to recall information in a series of low stakes testing scenario's and complete homework tasks to develop their independent learning and exam technique. This builds to a summative assessment which requires them to recall key information and demonstrate the exam technique they have developed. Students will sit an assessment at the end of each Learning objective (LO) to give them a current grade. A full mock will take place in March and the external examinations will be sat in May. Coursework will be assessed continuously with feedback given to the student about their current grade. All tasks must be completed to the required standard to achieve distinction.
How is the subject externally examined? (KS4 and KS5)	There are two external exams that will be sat in May, Year 12. This will assess their knowledge and understanding in Unit 1 and 2. The rest of the qualification is assessed via the production of a coursework portfolio which is comprised of three units. Paper 1 –Fundamentals of IT - 2 hour written exam – 90 marks Paper 2 –Global Information – 1hr 30 minutes written exam – 60 marks Unit 5 AR and VR Unit 13 Digital Marketing and Social Media Unit 17 Internet of Everything
Extending Learning at home	Students are expected to complete 4 hours of independent learning each week, in which time they will be given opportunities to develop their knowledge and exam technique. This will be set using Microsoft Teams. Each student will also be given a personalised checklist (PLC) and knowledge organiser to support their learning over time. It's strongly advised they also buy a copy of the revision notes – Cambridge Technical Level 3 IT, Mo Everett. Hodder Education.
Support Available	Students have six double lessons a fortnight. With small groups, students are able to address specific misconceptions or concerns with their teachers. Teachers are also more than happy to support students out of lesson time.
Useful web addresses and book resources/revision guides	Files section – Microsoft Teams Cambridge Technical Level 3 IT Hodder Education. Editor Mo Everett https://www.hoddereducation.co.uk/subjects/ict/products/general/my-revision-notes-cambridge-technicals-level-3-it https://ocr.org.uk/qualifications/cambridge-technicals/information-technology/#level-3

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