Subject: OCR Cambridge Technicals Level 3 IT		Year Group: 13
Term 1 Key Focus/Topic(s) Unit 2 Internet of Everything (60 GLH) COURSEWORK continued LO2 Coursework Assignment continued Learning Outcome 3: Be able to present concept ideas for repurposed developments 3.1 Business proposal 3.2 Pitch 3.3 Feedback 3.4 Stakeholder considerations 3.5 Revision of proposal 3.6 Possible success criteria (must be measurable) LO3 Coursework assignment	**Term 2 Key Focus/Topic(s)** Unit 9 Product Development (60GLH) COURSEWORK LO1 Understand the product development life cycle 1.1 Product development methodologies (e.g. Waterfall, Incremental, Spiral, Agile development) 1.2 Phases of the product development life cycle 1.3 Constraints LO1 Coursework assignment LO2 Be able to design products that meet identified client requirements 2.1 Requirements analysis phase 2.2 Design phase, LO2 Coursework assignment	**Term 3 Key Focus/Topic(s)** Unit 9 Product Development (60GLH) COURSEWORK Continued LO3 Be able to implement and test products 3.1 Implementation LO3 Coursework assignment LO4 Be able to carry out acceptance testing with clients 4.1 Acceptance testing with target users 4.2 Maintenance phase LO4 Coursework assignment
Term 1 Assessment Opportunities: Self, peer, teacher and assessment.	**Term 2 Assessment Opportunities:** Self, peer, teacher and assessment.	**Term 3 Assessment Opportunities:** Self, peer, teacher and assessment.

Term 4 Key Focus/Topic(s) Unit 3 Cyber security (60 GLH) EXAM LO1 Understand what is meant by cyber security 1.1 Cyber security aims to protect information 1.2 Types of cyber security incidents 1.3 The importance of cyber security LO2 Understand the issues surrounding cyber security 2.1 Threats to cyber security 2.2 Types of attackers 2.3 Motivation for attackers 2.4 Targets for cyber security threats 2.5 Impacts of cyber security incidents 2.6 Other considerations of cyber security Exam question walk throughs Mock assessment	**Term 5 Key Focus/Topic(s)** Unit 3 Cyber security (60 GLH) EXAM Continued LO3 Understand measures used to protect against cyber security incidents 3.1 Cyber security risk management 3.2 Testing and monitoring measures 3.3 Cyber security controls (access controls) LO4 Understand how to manage cyber security incidents 4.1 Responding to an incident 4.2 Cyber security incident report Exam question walk throughs Mock assessment Unit 1 Exam Practice and revision Unit 2 Exam Practice and Revision	**Term 6 Key Focus/Topic(s)** Unit 1 Exam – resits Unit 2 Exam – resits Unit 3 Exam
Term 4 Assessment Opportunities: Self, peer, teacher and assessment.	**Term 5 Assessment Opportunities:** Self, peer, teacher and assessment.	**Term 6 Assessment Opportunities:** Self, peer, teacher and assessment.

Rationale:
The qualification will build on the knowledge, understanding and skills established through the ICT/Computing programmes of study. The content has been designed not only to allow for a solid basis of understanding but to engage learners and get them thinking about the principles of IT and Global Information Systems.
Students will gain an insight into the IT sector as they investigate the pace of technological change, IT infrastructure, the flow of information on a global scale, and the importance of legal and security considerations.

Evaluation:
This course is assessed by 50% coursework and 50% examination.
Students will sit three exams for the externally assessed units and complete two units of coursework over the two-year course.
During Year 12 pupils will complete two exam-based units:
Unit 1 Fundamentals of IT, information learnt in this unit will provide a solid foundation in the fundamentals of hardware, networks, software, the ethical use of computers and how business uses IT.
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.
They will begin Unit 17 - The internet of everything, this unit is about the use of the internet and how it is impacting people and society. They will learn about the Internet of Everything (IoE) and how it is used. Using their knowledge, they will carry out a feasibility study for a potential idea. They will pitch their idea to potential stakeholders and use feedback to revise their proposal.

In Year 13 students will continue with Unit 17 - The internet of everything and also complete the exam-based Unit 3 Cyber security and coursework for Unit 9 Product development.
Unit 3 Cyber Security - This unit has been designed to enable students to gain knowledge and understanding of the range of threats, vulnerabilities and risks that impact on both individuals and organisations. They will learn about the solutions that can be used to prevent or deal with cyber security incidents resulting from these challenges.
Unit 9 Product Development - The purpose of this unit is to prepare students to undertake product development activities. They will learn about different product design methodologies and the role of the product development life cycle. In addition, they will discover the factors that influence product developments.
There will be opportunities built in to allow for, self, peer and teacher assessment.