

Curriculum Overview

Subject: IT

Ext Certificate Year 13

CHASE HIGH SCHOOL
Aspiration, Character & Excellence



In Year 13, the intent of the Cambridge Technical Extended Certificate in IT is to further develop students' technical expertise, problem-solving abilities, and industry-relevant skills, ensuring they are prepared for higher education, apprenticeships, or employment in the digital sector.

TERM 1	TERM 2	TERM 3
<p>KNOWLEDGE/SKILLS</p> <p>Half term 1:</p> <p>Unit 3</p> <ul style="list-style-type: none"> • Understand what is meant by cyber security. • Understand the issues surrounding cyber security. • Understand the types of attack and security threats. <p>Half term 2:</p> <p>Unit 3</p> <ul style="list-style-type: none"> • Understand the ethical and legal consideration of cyber security. • Understand measures used to protect against cyber security incidents. • Understand how to manage cyber security incidents. 	<p>KNOWLEDGE/SKILLS</p> <p>Half term 1:</p> <p>Unit 9</p> <ul style="list-style-type: none"> • Product development – Waterfall • Incremental • Spiral • Agile development • Requirements analysis <p>Half term 2:</p> <p>Unit 9</p> <ul style="list-style-type: none"> • Design • Implementation • Testing • Integration • Deployment • Maintenance • Use of mobile technologies, 	<p>KNOWLEDGE/SKILLS</p> <p>Half term 1:</p> <p>Unit 9</p> <ul style="list-style-type: none"> • Regulation • Standards organisations • Safety • Quality management • Risk analysis <p>Half term 2:</p> <p>Unit 9</p> <ul style="list-style-type: none"> • Market analysis • Limitations • Prototyping • Product requirements specification • Purpose • Constraints • Functional Requirements
<p>KEY ASSESSMENTS</p> <p>Half term 1:</p> <p>Written portfolio, externally set by exam board, assessed internally.</p> <p>Half term 2:</p> <p>PPE unit 3.</p>	<p>KEY ASSESSMENTS</p> <p>Half term 1:</p> <p>Written portfolio, externally set by exam board, assessed internally.</p> <p>Half term 2:</p> <p>Written portfolio assessed internally. PPE unit 1 and unit 2 and unit 3</p>	<p>KEY ASSESSMENTS</p> <p>Half term 1:</p> <p>Written portfolio, externally set by exam board, assessed internally.</p> <p>Half term 2:</p> <p>Re-sit unit 1, unit 2 and Unit 3</p>

Extended reading suggestions and external resources: Used for assessments unit samples.
OCR: <https://www.ocr.org.uk/qualifications/cambridge-technicals/information-technology/>
Computer Science Newbies: <https://www.csnewbs.com/> - Used for Unit 3 Exam based questions.