GCSE Computer Science
OCR (J277)

BENEFITS
- Gives learners a real, in-depth understanding of how computer technology works
- Provides excellent preparation for higher study and employment in Computer Science
- Develops critical thinking, analysis and problem-solving skills

OVERVIEW

		Assessed via	Time	Weighting
Unit 1	*Computer systems*	*Exam*	*1 hour 30 mins*	*50%*
Unit 2	*Computational thinking, algorithms & programming*	*Exam*	*1 hour 30 mins*	*50%*
Unit 3	*Programming project*	*Non Examined Assessment*	*20 hours*	

COURSE CONTENT

Unit 1: *Computer Systems*
- Systems Architecture
- Memory and Storage
- Systems Software
- Wired and Wireless Networks
- System security
- Ethical, legal, cultural and environmental concerns

Unit 2: *Computational Thinking, Algorithms & Programming*
- Algorithms
- Programming
- Data representation
- Computational Logic

Unit 3: *Programming project*

Pupils will apply the knowledge and skills they have learned in Units 1 & 2 to address a variety of engaging, practical tasks set by the exam board. Projects will typically require design, development, programming, testing and evaluation.

for 2020~2021