

KS5 Courses

A Level Computer Science OCR H446

A Level Computer Science qualification helps students understand the core academic principles of computer science. Classroom learning is transferred into creating real-world systems through the creation of an independent programming project. The A Level will develop the student's technical understanding and their ability to analyse and solve problems using computational thinking.

The course consists of three components to be awarded the OCR A Level in Computer Science.

Component	Marks	Duration	Weighting	
Computer Systems (01)	140	2 hours 30 mins	40%	The internal workings of the (CPU), data exchange, software development, data types and legal and ethical issues. Calculators not allowed.
Algorithms and programming (02)*	140	2 hours 30 mins	40%	Using computational thinking to solve problems. Calculators not allowed.
Programming project (03)*	70	-	20%	Non-exam assessment. Students will be expected to analyse a problem (10 marks), and design (15 marks), develop and test (25 marks), and evaluate and document (20 marks) a program. The program must be to solve it written in a suitable programming language.

BTEC LEVEL 3

We offer a combination course, which is a BTEC level 3 national diploma in Business and a BTEC level 3 extended certificate in ICT.

The Business element takes up 10 Hours per year and the ICT element takes up 5 hours a year. The courses run for two years and the students are able to get the same equivalent UCAS points of 3 A levels. This type of course allows the students opportunity to study two subjects that complement each other well. The combinational also allows students to go directly into University and choose a vast array of subjects, a larger skill set to offer employers to work or take on apprenticeship type roles.

		Extended Certificate in IT (1A level)		Business Studies Diploma (2A level)					
		Teacher	Unit	Unit name	Type	Unit Value	Start Month	Finish Month	
Year 1	ICT	WCH/JYA	1	Information Technology Systems	Exam	120	September	March	4th June 2 hour exam
		WCH/JYA	5	Data Modelling	Assignment	60	April	July	4 periods and 1 period revision for exam
	Business	PFK	1	Exploring Business	Assignment	90	September	Nov/May-July	
		PFK	2	Developing a Marketing Campaign	Control assessment	90	December	April	
		ZHU	3	Personal and Business Finance	Exam	120	September	March	25th May 2 hour exam
		ZHU	16	Visual Merchandising	Assignment	60	April	July	4 periods and 1 period revision for exam
Year 2	ICT	WCH/JYA	3	Using Social Media in Business	Assignment	90	September	Nov/May-July	
		WCH/JYA	2	Creating Systems to Manage Information	Control assessment	90	December	April	
	Business	PFK	6	Principles of Management	Control assessment	120	September	April	
		PFK	22	Market Research	Assignment	60	May	July	
		ZHU	5	International Business	Assignment	90	September	January	
		ZHU	4	Managing an Event	Assignment	90	February	July	