

PCHS Curriculum Information

Course Title: A Level Computer Science	Exam Board: OCR	Specification Code: H446
How will students be assessed? Unit 1 - 40% - Computer systems written paper - 2h30m - End of Year 13 Unit 2 - 40% - Algorithms and programming written paper - 2h30m - End of Year 13 Unit 3 - 20% - Programming project - 20% - Completed in Year 12 and Year 13		

KEY CONTENT
Half Term 1 1.1 The characteristics of contemporary processors, input, output and storage devices - Structure and function of the processor, Types of processor, Input, output and storage Plus Practical Programming Lessons
Half Term 2 1.2 Software and software development & 2.2 Problem solving and programming Systems software, Application generation, Software development Plus Practical Programming Lessons
Half Term 3 1.2 Software and software development & 1.3 Exchanging data Types of programming language, Compression, encryption and hashing, Databases Plus Practical Programming Lessons
Half Term 4 1.3 Exchanging data Networks, Web technologies Plus Practical Programming Lessons
Half Term 5 1.4 Data types, data structures and algorithms Data types, Data structures Plus Practical Programming Lessons
Half Term 6 1.4 Data types, data structures and algorithms & 1.5 Legal, moral, cultural and ethical issues Boolean algebra, Computer-related legislation, Ethical, moral and cultural issues Plus Programming Project Lessons 3.1. Analysis of the problem - Begin Programming Project