

EPCHS ICT & Computer Science Department: Year 10 Programme of Study

To deliver lessons that allow pupils to confidently complete papers 1 and 2 of the OCR Computer Science qualification. The priority for KS4 is to keep pupils active, engaged, and to most importantly develop skills that will be built upon throughout their school career, as well as equip them with the tools they will need to allow them to successfully complete their public examination at the end of Year 11

Year/Term	Unit of Work	Intent
Autumn	1.1 System Architecture 1.2 Storage 1.3 Memory	During the Autumn term pupils will be introduced to the OCR course. 1.1 Will introduce pupils to the CPU and the different components that affect performance. 1.2 Looks at how primary storage is used and how they affect the performance of the system 1.3 Looks at the different storage technologies and the most suitable scenarios to use these technologies
Spring	1.4 Networks 1.5 Topologies 1.6 System Security	Spring term will introduce Networks, how they are set up and the associated security threats. 1.4 Introduces LAN, WAN and how the Internet works. Pupils will also learn about the different protocols that govern how we communicate over the Internet. 1.5 Looks at how networks are set up. Pupils will explore the various topologies and the benefits and drawbacks of each. 1.6 Develops pupils' understanding of the plethora of security threats associated with using networks and how to limit risks
Summer	1.7 System Software 1.8 Ethical, Legal, Cultural, Environmental	Summer term will introduce pupils to the functions of an operating system, and the ethical, legal, cultural and environmental impacts on technology. 1.7 Looks at how an operating system is set up, the different functions and how utility software is used. 1.8 Pupils will look at the impact of ethical, legal, cultural and environmental issues on technology