Subject	Aims and Purpose/Intent	Content Summary
Subject Computer Science Year 12	 In year 12, Computer Science will encourage pupils to: Further develop their ability to think computationally Develop enhanced coding techniques, in C#, in order to solve problems Develop their understanding of Object-Oriented Programming Experience a new IDE Consider their own project, and how they will need to further develop their skills independently in order to solve a problem devised by themselves Understand computational procedures at a processor level Further develop their understand of how 	High-end Programming Language Basics of C# Use of OOP Computational Thinking Elements of computational thinking Problem Solving Problem solving Programming techniques Computer Systems Assembly language Memory addressing Software and types of application Software development Database development
	 devised by themselves Understand computational procedures at a processor level Further develop their understand of how databases can be used to store and manipulate large volumes of data 	 Memory addressing Software and types of application Software development Database development Networks
	Develop understanding of computer networks and associated protocols and procedures	Project

Subject	Aims and Purpose/Intent	Content Summary
Subject Computer Science Year 13	Aims and Purpose/Intent In year 13, Computer Science will encourage pupils to: Appreciate the variety of ways data can be stored and retrieved, and the benefits and limitations of each Further develop their understanding of a variety of search and sort algorithms Understand key 'shortest path' algorithms Enhance their understanding of the features of computer networks Further develop understanding of logic gates Develop techniques for performing computer arithmetic and Boolean algebra Develop understanding of computer legislation Further appreciate understanding of moral and ethical issues surrounding computers and their use	Project