Kirk Hallam Community Academy Computer Science Learning Overview

	HT1	HT2	HT3	HT4	HT5	HT6
Year 10	Systems architecture Algorithms	Searching and sorting algorithms	Programming fundamentals	Producing robust programs	Boolean logic	Programming languages and Integrated Development Environments
Year 11	Operating Systems Systems Software Embedded systems Memory Management Utility software	Ethical, legal, cultural and environmental issues Impacts of digital technology on wider society Acts and software licences	Networks and topologies Wired and wireless networks Threats to computer systems and networks	Revision of all topics for Paper 1 and Paper 2	Examinations	Examinations
Year 12	Software and software development Understand what is meant by computational thinking	Software and software development Problem solving and programming	Ethical, legal, cultural and environmental issues The use of algorithms to describe problems and standard algorithms	How data is exchanged between different systems NEA programming project	Data types, data structures and algorithms NEA programming project	NEA programming project
Year 13	The characteristics of contemporary processors, input, output and storage devices	How data is exchanged between different systems	How data is represented and stored within different structures. Different algorithms that can be applied to these structures	Revision of all topics for Paper 1 and Paper 2	Examinations	Examinations