Computer Science – KS4 Road Story

Year 10

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
10.1 - Computer systems	10.1.1 - Systems architecture	10.1.2 - Memory and storage	10.1.3 -Computer networks, connections and protocols	10.1.4 - Network security	10.1.5 - System software	10.1.6 - Ethical, legal, cultural and environmental impacts of digital technology
10.2 - Computational thinking, algorithms and programming	10.2.1 - Programming fundamentals - Sequence	10.2.2 - Programming fundamentals - Selection	10.2.3 - Programming fundamentals - Iteration	10.2.4 - Programming fundamentals - Subroutines	10.2.5 - Programming fundamentals - Strings and lists	10.2.6 - Programming fundamentals - Dictionaries and data files

Year 11

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
11.1 - Computer systems	11.2.1 - Algorithms	11.1.1 - Networks revisited	11.1.2 - Computer systems revisited	11.1.3 - Data representation	Computer systems revision and exam practice	
11.2 - Computational thinking, algorithms and programming		11.2.2 - Producing robust programs	11.2.3 - Boolean logic / 11.2.4 - Databases and SQL	11.2.5 - Programming languages and IDEs	Computational thinking, algorithms and programming revision and exam practice	