GCSE (9–1)
COMPUTER SCIENCE

OCR
Oxford Cambridge and RSA

Road Map

Unit 1 - Computer Systems	Unit 2 - Computational Thinking algorithms & programming
1.1 Systems Architecture 1.1.1 Architecture of the CPU 1.1.2 CPU Performance 1.1.3 Embedded systems **1.2 Memory and storage** 1.2.1 Primary storage (Memory) 1.2.2 Secondary storage 1.2.3 Units 1.2.4 Data storage 1.2.5 Compression **1.3 Computers networks, connections and protocols** 1.3.1 Networks and topologies 1.3.2 Wired and wireless networks, protocols and layers **1.4 Network security** 1.4.1 Threats to computer systems and networks 1.4.2 Identifying and preventing vulnerabilities **1.5 Systems software** 1.5.1 Operating systems 1.5.2 Utility software **1.6 Ethical, legal, cultural and environmental impacts of digital technology** 1.6.1 Ethical, legal, cultural and environmental impact	**2.1 Algorithms** 2.1.1 Computational thinking 2.1.2 Designing, creating and refining algorithms 2.1.3 Searching and sorting algorithms **2.2 Programming fundamentals** 2.2.1 Programming fundamentals 2.2.2 Data types 2.2.3 Additional programming techniques **2.3 Producing robust programs** 2.3.1 Defensive design 2.3.2 Testing **2.4 Boolean logic** 2.4.1 Boolean logic **2.5 Programming languages and Integrated Development Environments** 2.5.1 Languages 2.5.2 The Integrated Development Environment (IDE)