

KS 4 **KS 5** **ICT** **COMPUTING**

GCSE COMPUTING LEARNING JOURNEY

EXAM BOARD: OCR

SPECIFICATION NUMBER: 277

UNITS OF STUDY: 2



UNIT: **1** **COMPUTER SYSTEMS** **ASSESSMENT:** WRITTEN PAPER

WEIGHTING: 50%



1.1 System architecture



1.2 Memory and storage



1.3 Computer networks, connections and protocols



1.4 Network security



1.5 System software



1.6 Ethical, legal, cultural and environmental impacts of digital technology

UNIT: **2** **COMPUTATIONAL THINKING, ALGORITHMS AND PROGRAMMING**

ASSESSMENT: WRITTEN PAPER

WEIGHTING: 50%



2.1 Computational thinking



2.2 Programming fundamentals



2.3 Producing robust programs



2.4 Boolean logic



2.5 Programming languages and Integrated Development Environments