Key Stage 5 Curriculum Map   2021 - 2022   Subject: A level Computer Science

Term	Year 1	Year 2
1.1	Information, data representation and data types 1 **(AO1)** Databases **(AO1, AO2)**	Information, data representation and data types 2 **(AO1, AO2)** Computational thinking 2 **(AO3)**
1.2	Communication and Networks 1**(AO1, AO2)** Computational thinking 1 **(AO1, AO2)**	Programming 2 **(AO3)**
2.1	Programming 1 (Python) **(AO2, AO3)** Hardware 1 **(AO1, AO2)**	System software 2 **(AO1, AO2)** Communication and Networks 2 **(AO1, AO2)**
2.2	System software (1) and software development **(AO1, AO2, AO3)** Security 1 **(AO1, AO2)**	Hardware 2 **(AO1, AO2)** Security 2 **(AO1, AO2)**
3.1	Processors **(AO1, AO2)** Ethics and Ownership **(AO1, AO2)**	Artificial Intelligence **(AO1) (AO2)** Programming consolidation **(AO2) (AO3)**
3.2	Pseudocode consolidation **(AO2, AO3)** Intense past paper practice (P1 and P2)**(AO1, AO2, AO3)**	Intense past paper practice (P3 and P4) **(AO1, AO2, AO3)**

Assessment objectives

AO1: Demonstrate knowledge and understanding of the principles and concepts of computer science, including abstraction, logic, algorithms and data representation.

AO2: Apply knowledge and understanding of the principles and concepts of computer science, including to analyse problems in computational terms.

AO3: Design, program and evaluate computer systems to solve problems, making reasoned judgements about these.

AO1- Demonstrate knowledge and understanding of the key features and characteristics of the periods studied

AO2- Explain, analyse and make judgements about historical events and periods studied using second-order historical concepts

AO3- Use a range of source material to comprehend, interpret and cross-refer sources

AO4- Analyse and evaluate historical interpretations in the context of historical events studied