Key Stage 4 Curriculum Map   2021 - 2022   Subject: Computer Science (1 year course)

Term	Year 1
1.1	Data representation **(AO1 AO2)** Algorithms, flowcharts and basic programming principles **(AO1, AO2)** Hardware and software **(AO1, AO3)**
1.2	Pseudocode **(AO1, AO2)** Representing pseudocode with Python **(AO1, AO2)** Data transmission and networks **(AO1,AO3)**
2.1	Databases **(AO1, AO2)** Security and ethics **(AO1, AO2, AO3)**
2.2	Data structures and further programming concepts in Python **(AO1, AO2)** Paper 2 pre-release material programming practice **(AO1, AO2, AO3)**
3.1	Official pre-release task completion and Paper 2 preparation **(AO1, AO2, AO3)**
3.2	Paper 1 preparation (AO1, AO2, AO3)

Assessment objectives

AO1: Recall, select and communicate knowledge and understanding of computer technology

AO2: Apply knowledge, understanding and skills to solve computing or programming problems

AO3: Analyse, evaluate, make reasoned judgements and present conclusions

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