Curriculum Summary Document
Year 9 Computing (9-10 wk block)

WE ARE MBA

Module/Unit of Learning	Term Taught	What will students learn?	How will this build a broad and strong foundation?	Links to other subjects
Foundation level Computing.	Term 1,2,3 10-week rotation	In the first 4 weeks of Year 9 Computing, students will use the IDLE IDE to learn the basics of programming with Python. They will start by understanding the Python programming environment and how to write and run Python code using IDLE. Key concepts covered will include variables and data types, basic syntax and structure, control structures, functions, basic input/outputs. In the following 5 weeks, students will delve into Python sequences, building on their initial programming knowledge. They will learn about different types of sequences such as lists, tuples, and strings, and how to manipulate them. Key concepts will include: Indexing and Slicing, Iteration, Common Operations, List Methods and Mutable vs Immutable sequences. In addition to programming, students will also learn about hardware and software which allows them to gain a firm understanding of devices used for computing on a personal and network infrastructure level.	Learning the basics of Python programming in Year 9 provides students with a solid foundation before starting GCSE Computing. By covering essential concepts such as variables, data types, control structures, functions, and basic input/output, students develop a strong understanding of programming fundamentals.	Maths