Curriculum Overview for Computer Science
Year 8

Half Term 4

Substantive Knowledge:
- Students will learn the importance of computer programming
- Students will learn the rules of Syntax
- Students will learn the role of variables
- Students will learn how to name variables
- Students will learn how to perform calculations with variables
- Students will learn how to get input from a user
- Students will learn about selection

Disciplinary Knowledge:
- Be able to create a variable
- Be able to name a variable
- Be able to set the value of a variable
- Be able to print information onto the screen
- Be able to print the value of a variable onto the screen
- Be able to add, subtract, multiply and divide variables
- Be able to get input from a user and store it in a variable
- Be able to compare values in a variable to make decisions in a program

	Model reading Reading out loud Skim and Scan of source information Decoding terms Etymology of key terms
	Programming Language Syntax Bugs Debugging Input Process Output Variables Constants Integer Float Character String Boolean If
	Formative assessment Knowledge checks Quiz Practice questions **Summative assessment** End of unit assessment
	Practice questions Revision tasks Research tasks