

Year: 10

Subject: Computing core

Summer Term		
What has come before and what comes later:	The final term in Y10 is dedicated to the system development lifecycle. This allows all students to develop a solution to a problem following the waterfall model.	
	Core	Extension
The Big Questions (What questions will students be able to answer upon mastery of the topic?)	<ul style="list-style-type: none">• What is systems development?• What is systems analysis?• How are systems designed?• How do you write pseudocode?• How are maths problems approached in Python?• What is sequence, selection & iteration?• How are systems tested?• How are solutions evaluated?	<ul style="list-style-type: none">• What is abstraction?• What is decomposition?• What is black box / white box testing?• How does Python read/ write files
	Skill/Technique	How students will develop and demonstrate this
Key skills	Sequencing instructions Refining solutions Analyse and evaluate work	During assessments, classwork and homework, students will: complete a range of activities that test the understanding and application of the topics covered.