



Curriculum Overview for Computer Science Year 11

166	<u> </u>		
Half Term 3	Model reading		
Algorithms	_	Reading out loud	
Substantive Knowledge:	_	Skim and Scan of source	
Understand how a computer runs code	information		
 Understand what is meant by 	•	Decoding terms	
algorithmic thinking	Etymology of key	terms	
 Understand what is meant by 	Computational thin		
decomposition	Sequence	6	
 Understand what is meant by 	Decomposition		
abstraction	Abstraction		
 Understand how to identify outputs 	Algorithmic thinking	<u> </u>	
 Understand how to identify inputs 	Input	Input	
 Understand how to identify the 	Output		
processes required	Process		
 Understand how to identify repeatable 	Repeatable Process		
processes	Structure diagram		
 Understand the purpose of a structure 	Pseudocode		
diagram	Flow chart		
 To be able to understand pseudocode 	Terminal		
 Understand what a flow chart is used 	Process		
for	Question		
 Understand what the flow chart 	Decision		
symbols mean	Input		
 Understanding trace tables to check 	Output		
variables through a program	Sub program		
	Trace Tables		
	Formative assess		
Disciplinary Knowledge:	Knowledge check	.S	
 To be able to break a problem down 	Smart Revise		
using decomposition and abstraction	Practice question		
 To be able to take a problem and 	Summative asses		
produce step-by step instructions	End of unit assess		
 Be able to produce a structure diagram 	Practice question	5	
 To be able to write a pseudocode 	Revision tasks		
solution	Research tasks		
To be able to produce a flow chart to			
solve a problem			

Be able to complete a trace table when

running through a program