1		2	3	4		5		6	
C	omputer Systems	Representation	Developing for the Web	Intro	to Python	Heroes of	Computing	Mobile App	
Topic Overview:									
This unit introduces learners to text-based programming with Python. The lessons form a journey that starts with simple programs involving input and output, and gradually moves on through arithmetic operations, randomness, selection, and iteration. Emphasis is placed on tackling common misconceptions and elucidating the mechanics of program execution.									
A range of pedagogical tools is employed throughout the unit, with the most prominent being pair programming, live coding, and worked examples.									
Links: Year 7 Scratch Programming 1 and 2, Year 8 Mobile App Development, GCSE Computing Unit1 Computer Thinking and Unit 6 Programming									
Lesson Sequence:									
disp Less rece com Less with ther Less avail used also prog Less simp second examples. Nation of the composition of the composi	problems use two or more programming languages, at least one of which is textual, to solve a variety of computational problems understand several key algorithms that reflect computational thinking; use logical reasoning to compare the utility of alternative algorithms for the same problem								
Sequence of Lessons:			Topic Reso	opic Resources:		Any other	7 / 1		
4 Contains				Мар:		8.4 Python Programming		Thonny (python	
1	First steps		Assessment:						
2	Crunching numbers			Knowledge:		25 Multiple Choice Questions			
3	At a crossroads			Application of Knowledge:		Learners make a number guessing game			
4	More branches			Supportive Reading:					
5	Round and round			Python Basics		Key Stage 3 Python The Basics CSNewbs			
6	Putting it all togethe	er		KS3 Computing Com plete Revision & Pra ctice - CGP		Chapter 6 & 7 Available from: KS3 Computing Complete Revision & Practice CGP Books			

Scheme of Learning: Year & Computing

Topic Sequence: