Year group: 9	Term: 2	Unit duration: 6	Number of lessons: 9	Unit title: Programming Concepts

Assessment outcome: To be able to create programs in Python to solve problems	Fertile question? How can Python be used to solve real world problems more easily?	

Key skills/concepts/knowledge that students should cover	Start RAG	End RAG	Literacy. Key vocabulary/subject terminology that students should cover
Python syntax Programming constructs: sequence, selection and iteration Variables Input and Output Saving to a .txt file using Python Importing libraries Random number generation Data types and converting between them			Syntax String Integer Real/Double/Float Assign Library Functions
Stretch. Key skills/concepts/knowledge that students should cover Create a python program to be able to solve complex problems with a real world scenario.			Suggested materials teachers could/should use TeachICT Computer Science Powerpoints/Worksheets
			Key home learning tasks students should complete Read and evaluate code and find syntax and logic errors.