

Subject: ICT

Year Group: 8

Week beginning	Subject Topic	Key Learning points/big questions	Independent/Home learning	Linked Assessment	Resources
7/9	Python 2 - simple program and variables	Students will learn to write simple text based programs using the Python programming language. They will understand the concepts of variables and values.	a) Find out the history about 'Hello World' and why almost everyone uses as their first output b) Python is one of many programming languages. Find out about 4 other programming languages, what they are used for and how they differ to Python.	<a href="https://eggbuckland.sharepoint.com/:w:/g/ict/EShtiHsl6UJLmYjwJRhRv9MBYHifXNYDw44WeoXg6i2Avg?e=GLhAhK">https://eggbuckland.sharepoint.com/:w:/g/ict/EShtiHsl6UJLmYjwJRhRv9MBYHifXNYDw44WeoXg6i2Avg?e=GLhAhK</a>	<a href="https://www.teach-ict.com/2016/ks3/sows/sow1/sow_menu.html">https://www.teach-ict.com/2016/ks3/sows/sow1/sow_menu.html</a>  username: pl65yb password: kilobyte1
14/9	Python 2 - inputs and concatenation	During this lesson students will learn to use the Input Function to enable them to write programs which expect a response. They will then make use of the input data to provide a tailored response back to the user. They will begin to see the link between what they	Find out about the Turing Test.		

		are doing and a programmable chatbot.			
<b>21/9</b>	Python 2 - sequence and selection	<i>Know:</i> the purpose of an If .. Else condition <i>Understand:</i> the purpose of == and indentation within the code <i>Be able to:</i> correctly order the code required for If ... Else conditions	Now have a go at writing your own Elif program		
<b>28/9</b>	Python 2 - plan chatbot code	<i>Know:</i> how to construct the structure of a simple chatbot program <i>Understand:</i> the importance of planning before beginning to write programming code <i>Be able to:</i> write a plan for their chatbox logic, gain feedback and act upon that feedback in order to improve their plan.	Students should spend at least another 20 minutes working on their chatbot programs.		
<b>5/10</b>	Python 2 - chatbot - peer assessment	Students will complete their code for their chatbot program. They will assess programs written by other students and provide constructive feedback. They will take on board feedback provided to them from other students and consider how they might improve their own work.	Students should spend at least another 20 minutes working on their chatbot program improvements.		
<b>12/10</b>	Python 2 - chatbot improve/develop code				
<b>19/10</b>	Assessment	<a href="https://egguckland.sharepoint.com/:w:/g/ict/E_ShtiHsI6UJLmYjwJRhRv9MBYHifXNYDw44WeoXg6i2Avg?e=GLhAhK">https://egguckland.sharepoint.com/:w:/g/ict/E_ShtiHsI6UJLmYjwJRhRv9MBYHifXNYDw44WeoXg6i2Avg?e=GLhAhK</a>			

Half term					
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