

Year 8 ICT			
Learning Programme 4			
<p>The LORIC skill focus for this LP is: INITIATIVE. The Moral Values foci for this LP are: INTEGRITY and GRATITUDE.</p> <p>Integrity - Having strong moral principles. I will show integrity by taking responsibility for my actions. Gratitude - Feeling and expressing thanks. I will show gratitude by saying please and thank you.</p> <p>What will I be learning about in this Learning Programme? You will be learning how to programme using Python. You will gain knowledge about Python and apply this knowledge to a Python project.</p> <p>Where have I seen this learning before? You have gained programming knowledge from LP4 and LP5 in Year 7 where you completed Scratch programming</p> <p>What could I use it for? You could use this further if you go on to study ICT or Computer Science at GCSE or further education.</p>		<p>Literacy Non-Negotiables:</p> <ul style="list-style-type: none"> • Capital letters must be used at the start of sentences and for the first letter of proper nouns • Full stops must be used at the end of a sentence • Question marks must be used at the end of a question • Apostrophes should only be used for possession or omission • Days of the week and months must be spelled correctly • Key words must be spelled correctly • Vocabulary to be taught using the Frayer model 	
In LP4.1, I will know:	09/03/26 - (WK 2)	Frayer Model Words	Homework
<p>how to know how to output strings into a program.</p> <p>how to know how to use arithmetic operators to output integers into a program.</p>		String	Seneca Tasks
In LP4.2, I will know:	16/03/26 - (WK 1)	Frayer Model Words	Homework
<p>how to know how to input data into a program.</p> <p>how to know how to store variables and understand how they're different to constants.</p> <p>how to know how to use casting to change the data type.</p>		Data	Seneca Tasks
In LP4.3, I will know:	23/03/26 - (WK 2)	Frayer Model Words	Homework
<p>how to know how to write an IF statement using a two-step procedure: IF-ELSE.</p> <p>how to understand how to use a range of comparison operators.</p> <p>how to know how to write an IF statement using a three-step procedure: IF-ELIF-ELSE.</p> <p>Extended Task.</p>		Selection	Seneca Tasks
In LP4.4, I will know:	13/04/26 - (WK 1)	Frayer Model Words	Homework
<p>how to understand the difference between a counter-controlled loop (FOR) and condition-controlled loop (WHILE)</p> <p>how to know how to write a basic FOR and WHILE loop.</p> <p>how to be able to draw a range of shapes using FOR and WHILE loops.</p>		Iteration	Seneca Tasks
In LP4.5, I will know:	20/04/26 - (WK 2)	Frayer Model Words	Homework
<p>how to know the difference between a syntax error and logic error and know how to identify them in a program.</p>		Syntax error	Seneca Tasks
In LP4.6, I will know:	27/04/26 - (WK 1)	Frayer Model Words	Homework
<p>how to create a multiple-choice quiz with answers (correct and incorrect), that records how many points the user has scored and they can only access through a login system.</p> <p>Extended Task.</p>		login system	Seneca Tasks
In LP4.7, I will know:	04/05/26 - (WK 2)	Frayer Model Words	Homework
<p>how to test and evaluate the effectiveness of your multiple choice quiz</p>		Test	Seneca Tasks
Resources to support learning:			
Teams			
FFET Award Challenge for this Learning Programme:			
Complete an 'Hour of Code' Python challenge and bring in your certificate to show your teacher (you can take a screenshot of your certificate)			

