

Yr 8.4 Assessment Grid-Python Programming

	<i>Skill</i>		<i>Knowledge</i>	
	Practical Skill Range and quality of ICT & programming skills and techniques	Analysing and evaluating Identifying areas for improvement and identifying where issues have developed and ways to resolve this. Both in their own work and others.	Theory Talking about Computational thinking and making IT connections in the real world .	Computational thinking Level Computational thinking allows us to take a complex problem, understand what the problem is and develop possible solutions. We can then present these solutions in a way that a computer, a human, or both, can understand.
Exceptional GCSE 8-9 in Y11	Fluent In: <ul style="list-style-type: none"> Can consistently build python programmes to solve problems Can make use of a range of commands consistently including the basics (Input/Output, IF Statement, variable use, arithmetic, while loop, for loop). This will include some use of functions 	Fluent In: <ul style="list-style-type: none"> Identifying how complex python programmes can be improved to ensure they are most efficient. Can consistently explain to others their programmes and what each command does Can begin to debug programmes and can identify common errors 	Fluent In: <ul style="list-style-type: none"> Can define each command consistently Can consistently explain python programmes link to programming and pseudocode Using the correct terminology consistently Linking the use of these and esafety considerations consistently 	Fluent In: <ul style="list-style-type: none"> Understanding complex scenarios and converting them into python programmes consistently Understanding how basic python programming links to pseudo code and therefore can introduce basic python programming
Higher GCSE 6-8 in Y11	Secure In: <ul style="list-style-type: none"> Can build standard python based programmes to solve problems confidently Can make use of a range of commands confidently including the basics (Input/Output, IF Statement, variable use, arithmetic, for loop). This may include some guided use of functions. 	Secure In: <ul style="list-style-type: none"> Can confidently improve python programmes to improve efficiency. Can confidently explain to others their programme Can at times identify errors in their own programme 	Secure In: <ul style="list-style-type: none"> Can define each command with confidence Can explain how python programmes link to programming and pseudocode but may need support. Using the correct terminology sometimes Linking the use of these and esafety considerations consistently 	Secure In: <ul style="list-style-type: none"> Understanding standard scenarios and converting them into python programming confidently Understanding how data flow diagrams link to pseudo code
Intermediate GCSE 4-6 in Y11	Growing In: <ul style="list-style-type: none"> Can build simple data flow diagrams to solve scenarios with guidance 	Growing In: <ul style="list-style-type: none"> With prompts can make improvements to existing standard python programmes 	Growing In: <ul style="list-style-type: none"> Can define two basic commands from python programmes 	Growing In: <ul style="list-style-type: none"> Understanding simple scenarios and can convert them into python programmes with guidance

	<ul style="list-style-type: none"> • Can make use of a range of commands including the basics (Input/Output, IF Statement, variable use, arithmetic) guidance maybe needed 	<ul style="list-style-type: none"> • Explaining to others with prompts what their python programme does • With prompts can identify errors in their own programme 	<ul style="list-style-type: none"> • They understand how commands can be used to write a python programme • Using the correct terminology occasionally • Linking the use of these and esafety considerations consistently 	<ul style="list-style-type: none"> • Can define pseudocode but struggles to link it to python programming.
<p>Foundation GCSE 2-4 in Y11</p>	<p>Emerging In:</p> <ul style="list-style-type: none"> • Can build basic data flow diagrams to solve basic scenarios with support • Can make use of 3 basic commands (Input/Output, IF Statement, variable use) but struggles to apply them without support. 	<p>Emerging In:</p> <ul style="list-style-type: none"> • With support can explain their basic python programme • With support they may identify simple errors in their programmes 	<p>Emerging In:</p> <ul style="list-style-type: none"> • Can define one command from the python programme • With support can understand how basic commands define how the python moves around the screen • Using the correct terminology rarely • Linking the use of these and esafety considerations rarely 	<p>Emerging In:</p> <ul style="list-style-type: none"> • Understanding simple scenarios and can convert them into python programmes with support

Outstanding	Making outstanding progress relative to their starting point (almost meeting expectations for next starting point)
Above	Making more than expected progress relative to their starting point (consistently meeting all expectations)
Expected	Making expected progress relative to their starting point (mostly meeting expectations for this starting point)
Working towards	Working towards expected progress for their starting point (below assigned starting point expectations consistently)