



## Curriculum Overview for Computer Science Year 9

<p>Half Term 3 Python Programming – Selection and Loops</p> <p>Substantive Knowledge:</p> <ul style="list-style-type: none"> <li>• Understand what a condition is</li> <li>• Understand what an operator is</li> <li>• Understand how to check a condition</li> <li>• Understand what a loop is</li> <li>• Understand which type of loop to use in different circumstances</li> </ul> <p>Disciplinary knowledge:</p> <ul style="list-style-type: none"> <li>• Be able to use if to check a condition</li> <li>• Be able to use else to catch where the conditions are false</li> <li>• Be able to use elif to add additional conditions</li> <li>• Be able to use while to repeat code based on a condition</li> <li>• Be able to use for to repeat code a set number of times</li> <li>• Be able to use OR to combine two conditions in Python</li> </ul>		<p>Model reading Reading out loud Skim and Scan of source information Decoding terms Etymology of key terms</p>
		<p>Selection Condition if else elif Loop operator while for</p>
		<p><b>Formative assessment</b> Producing Instructions Producing Flow-Charts</p> <p><b>Summative assessment</b> End of unit assessment</p>
		<p>Revision tasks Research tasks</p>