





<p>In my GCSE Computer Science lessons this half term I am developing my knowledge of Boolean algebra. I will also develop my python programming skills and starting on my controlled assessment.</p> <p>Unit 1, Topic 3 Communication This half term: Skills, knowledge and Understanding to be developed:</p> <ul style="list-style-type: none"> - Skills (students will be able to create functions and pass parameters in and out of these functions. Students will also be able to read and write from files in Python.) - Knowledge (will know the difference between high and low level languages) - Understanding (students will demonstrate their understanding by designing and creating a program to solve a given task) 		<p>Key Terms / Words: AND, OR, NOT, XOR, Boolean, High-Level language, Low-level language.</p>	
<p>LP 4 – Week 1 Learning Outcomes: Computational thinking</p> <ul style="list-style-type: none"> • Students will know Boolean algebra rules. • Students will know how to simplify Boolean expressions using the basic rules. • Students will be able to start a practise Python task for their controlled assessment. 		<p>Success Criteria:</p> <ol style="list-style-type: none"> 1. Students will be able to answer GCSE questions on Boolean algebra. 	<p>Homework LP4 1</p> <p>Worksheet 1 – Revision of Truth tables.</p>
<p>LP 4 – Week 2 Learning Outcomes:</p> <ul style="list-style-type: none"> • Students will know the difference between high level and low-level languages by describing characteristics. • Students will use their understanding to describe situations that require high- and low-level languages. 	<p><u>SA</u> Grade</p>	<p>Success Criteria:</p> <ol style="list-style-type: none"> 1. Students complete an SA on all mathematical elements of their work. 	<p>Homework LP4 2</p>
<p>LP 4 – Week 3 Learning Outcomes</p> <ul style="list-style-type: none"> • Students will be able to complete their practise Python task for their controlled assessment. 		<p>Success Criteria:</p> <ol style="list-style-type: none"> 1. Students can evaluate what skills they need to improve in Python. 	<p>Homework LP4 3</p>
<p>LP 4 – Week 4 Learning Outcomes – <u>Controlled Assessment</u></p> <ul style="list-style-type: none"> • Students will know what is expected from them in the controlled assessment and refinement log. • Students will use their understanding to analyse the given CA scenario. • Students will know how to write out clear objectives to define a task. 		<p>Success Criteria:</p> <ol style="list-style-type: none"> 1. Students will have completed a set of measurable objectives that clearly define the task 	<p>Homework LP4 4</p>
<p>LP4 – Week 5 Learning Outcomes: – <u>Controlled Assessment</u></p> <ul style="list-style-type: none"> • Students be able to design a user interface that is fit for purpose. • Students will have designed data structures for all inputs and outputs. • Students will know all validation procedures for their solution. 	<p><u>No APP</u> <u>as CA</u></p>	<p>Success Criteria:</p> <ol style="list-style-type: none"> 1. Students will have created the design section of the coursework. 	<p>Homework LP4 5</p>
<p>LP4 – Week 6 Learning Outcomes: – <u>Controlled Assessment</u></p> <ul style="list-style-type: none"> • Students will use their understanding to create an authentication screen and menu structure for their program. 		<p>Success Criteria:</p> <p>Students will have started on the implementation stage of their coursework.</p>	<p>Homework LP4 6</p> <p>Revision of python skills.</p>