

Rokeby Remote working for students

Week 10 Subject: Computing.

<p>Year group</p>	<p>KS3: All resources are on SMHW and Google classroom.</p> <p>KS4: Unit 2.2 + NEA + SMHW</p>
<p>7</p>	<p>Topic: Computational Thinking (2nd week)</p> <p>All of you will:</p> <ul style="list-style-type: none"> • Write instructions to explain how to perform different tasks <p>Most of you will:</p> <ul style="list-style-type: none"> • Write specific instructions to explain how to perform different tasks • Explain what happens in different scenarios, for instance if the user enters incorrect data <p>Some of you will:</p> <ul style="list-style-type: none"> • Write an alternative set of instructions to solve problems in more than one way
<p>8</p>	<p>Topic: Logic gates (2nd week)</p> <ul style="list-style-type: none"> • All must know the three basic logic gate operators • Most should be able to utilise the Truth Table to work out the output of give inputs <p>https://www.bbc.co.uk/bitesize/guides/zxb72hv/revision/3</p>
<p>9</p>	<p>Topic Boolean logic (2nd week)</p> <ul style="list-style-type: none"> • Most should be able to utilise the Truth Table to work out the output of give inputs • Some could explain the use of Truth Tables for working-out the output of an input combination <p>https://www.bbc.co.uk/bitesize/guides/zc4bb9q/revision/2</p>
<p>10</p>	<p>Topic: Programming Techniques (3 lessons) - Continuation</p> <ul style="list-style-type: none"> • Understand data structure including data types • Write up success criteria, test plan and validation required. <p>https://www.ocr.org.uk/qualifications/gcse/computer-science-j276-from-2016/assessment/</p>
<p>11</p>	<p>Topic: College transition booklet (2 weeks)</p> <ul style="list-style-type: none"> ▪ The capacity to think creatively, analytically, logically and critically. ▪ Mathematical skills to understand data types and primitive data types. The ability to solve binary arithmetic and floating point arithmetic and solve logic problems using Boolean algebra.