

Year 11 Computer Science Learning Programme 4

<p>The LORIC skill focus for this LP is: INITIATIVE.</p> <p>The Moral Virtues focus for this LP are: INTEGRITY and GRATITUDE.</p> <p>Integrity - Having strong moral principles.</p> <p>Gratitude - Feeling and expressing thanks.</p> <p>What will I be learning about in this Learning Programme?</p> <p>The areas covered within Paper 2 of the examination, reflecting on prior learning and securing knowledge in preparation for the exam.</p> <p>Where have I seen this learning before?</p> <p>Throughout Year 10 and Year 11, reflecting on prior learning and using knowledge gained to gain the most possible marks in exam questions</p> <p>What could I use it for?</p> <p>Analysis of examination questions, commonalities between questions and understanding of the expectations of the examinations to support gaining the highest possible grade in the exam</p>	<p>Literacy:</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
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<p>In LP4.1, I will know: 04/03/24 - (WK 1)</p> <p>the principles of computational thinking; how to identify the inputs, processes, and outputs for a problem; how to search and sort in an algorithm.</p>	<p>Key Vocabulary</p> <p>Algorithms</p>	<p>Homework</p> <p>Revision of 2.1 using Isaac Computer Science website. Work through the exam questions.</p>
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<p>In LP4.2, I will know: 11/03/24 - (WK 2)</p> <p>how to use variables, constants, operators, inputs, outputs and assignments when programming; the different data types (integer, real, Boolean, character and string and casting) and how to use them. how to use the three basic programming constructs to control the flow of a program;</p>	<p>Key Vocabulary</p> <p>Programming fundamentals</p>	<p>Homework</p> <p>Revision of 2.2 using Isaac Computer Science website. Work through the exam questions.</p>
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<p>In LP4.3, I will know: 18/03/24 - (WK 1)</p> <p>defensive design considerations; the purpose of testing while selecting and using suitable test data; the identification of syntax and logic errors</p> <p>Extended Task.</p>	<p>Key Vocabulary</p> <p>Robust</p>	<p>Homework</p> <p>Revision of 2.3 using Isaac Computer Science website. Work through the exam questions.</p>
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<p>In LP4.4, I will know: 25/03/24 - (WK 2)</p> <p>how to create logic diagrams using the operations AND, OR and NOT; how to create truth tables and apply logic operators to solve problems; how to combine Boolean operators using AND, OR and NOT.</p>	<p>Key Vocabulary</p> <p>Boolean</p>	<p>Homework</p> <p>Revision of 2.4 using Isaac Computer Science website. Work through the exam questions.</p>
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<p>In LP4.5, I will know: 15/04/24 - (WK 1)</p> <p>the characteristics and purpose of different levels of programming languages; the purpose of translators; the characteristic of a compiler and an interpreter.</p>	<p>Key Vocabulary</p> <p>Programming languages</p>	<p>Homework</p> <p>Revision of 2.5 using Isaac Computer Science website. Work through the exam questions.</p>
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<p>In LP4.6, I will know: 22/04/24 - (WK 2)</p> <p>the common tools and facilities available in an integrated development environment (IDE).</p> <p>Extended Task.</p>	<p>Key Vocabulary</p> <p>Integrated</p>	<p>Homework</p> <p>Revision of Paper 1 using Isaac Computer Science website. Work through the exam questions.</p>
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<p>In LP4.7, I will know: 29/04/24 - (WK 1)</p> <p>and understand what to expect in Paper 1 of the examination - revision of all work completed for this element of the course.</p>	<p>Key Vocabulary</p> <p>Revision</p>	<p>Homework</p> <p>Revision of Paper 1 using Isaac Computer Science website. Work through the exam questions.</p>
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<p>In LP4.8, I will know: 06/05/24 - (WK 2)</p> <p>and understand what to expect in Paper 2 of the examination - revision of all work completed for this element of the course.</p>	<p>Key Vocabulary</p> <p>Revision</p>	<p>Homework</p> <p>Revision of Paper 2 using Isaac Computer Science website. Work through the exam questions.</p>
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<p>Resources to support learning:</p> <p>Isaac Computer Science website; All Knowledge Organisers used in Year 10 and 11.</p>		
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<p>FFET Award Challenge for this Learning Programme:</p> <p>Weekly revision for the examinations.</p>		
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