

## Year 11 Computer Science

### Learning Programme 3

<p>The LORIC skill focus for his LP is: RESILIENCE</p> <p>The Moral Virtues focus for this LP are: RESPECT and JUSTICE</p> <p>Respect - treat others how you would wish to be treated yourself.</p> <p>Justice - our College rules are fair and reasonable.</p> <p><b>What will I be learning about in this Learning Programme?</b></p> <p>Misconceptions identified In paper 1 to bridge gaps in knowledge.</p> <p><b>Where have I seen this learning before?</b></p> <p>Throughout Year 10 and 11, reinforcing learning to embed knowledge.</p> <p><b>What could I use it for?</b></p> <p>Ensure successful completion of paper 1 in your examination.</p>	<p><b>Literacy:</b></p> <ul style="list-style-type: none"> <li>• Capital letters must be used at the start of sentences and for the first letter of proper nouns</li> <li>• Full stops must be used at the end of a sentence</li> <li>• Question marks must be used at the end of a question</li> <li>• Apostrophes should only be used for possession or omission</li> <li>• Days of the week and months must be spelled correctly</li> <li>• Key words must be spelled correctly</li> </ul>
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In LP3.1, I will know:	06/01/25 - (WK 2)	Key Vocabulary	Homework
common types of primary and secondary storage; characteristics of storage devices to consider when choosing them; how to calculate storage space.		Primary and secondary storage	Sample questions on Isaac Computer Science - Section 1.2

In LP3.2, I will know:	13/01/25 - (WK 1)	Key Vocabulary	Homework
what happens when a computer turns music into data files; the effect of sample rate on a recording.		Sample rates	Sample questions on Isaac Computer Science - Section 1.2

In LP3.3, I will know:	20/01/25 - (WK 2)	Key Vocabulary	Homework
what an embedded system is; examples of embedded systems.		Embedded Systems	Sample questions on Isaac Computer Science - Section 1.1

In LP3.4, I will know:	27/01/25 - (WK 1)	Key Vocabulary	Homework
what binary shifts are; how to identify patterns within a binary shift and the effect they have on the binary number; how to complete binary addition.		Binary shifts	Sample questions on Isaac Computer Science - Section 1.2
Extended Task.			

In LP3.5, I will know:	03/02/25 - (WK 2)	Key Vocabulary	Homework
what LAN and WAN are and when they are used; different network protocols and how they are set; the purpose of operating systems and utility software.		Protocols	Sample questions on Isaac Computer Science - Section 1.3

In LP3.6, I will know:	10/02/25 - (WK 1)	Key Vocabulary	Homework
the layers within a TCP/IP protocol and the purpose of each layer; the advantages of using layers to construct network protocols; the differences between the network topologies that can be used.		Topology	Sample questions on Isaac Computer Science - Section 1.3

LP3 RLW, I will:	24/02/25 - (WK 2)		
review my learning, recalling and applying key knowledge, and focus on closing any gaps in my knowledge.			

In LP3.7, I will know:	03/03/25 - (WK 1)	Key Vocabulary	Homework
what fragmentation is and how it impacts the functionality of the computer; what it means to defragment and how utility software can defragment a drive.		Defragmentation	Sample questions on Isaac Computer Science - Section 1.5
Extended Task.			

Resources to support learning:
Isaac Computer Science Knowledge Organiser CGP Revision book

FFET Award Challenge for this Learning Programme:
Planned revision timetable to ensure success in the GCSE examination of Paper 1 and Paper 2.

