

## Year 11 Computer Science Learning Programme 2

<p>The LORIC skill focus for his LP is: ORGANISATION The Moral Virtues focus for this LP are: COMPASSION and HONESTY Compassion - the quality of feeling pity and concern for the sufferings or misfortunes of others. Honesty - the quality of being truthful.</p> <p><b>What will I be learning about in this Learning Programme?</b> Understanding the ethical, legal, cultural and environmental impacts of digital technology. Describing the types of testing (erroneous, boundary, normal).</p> <p><b>Where have I seen this learning before?</b> Data protection when looking at network security.</p> <p><b>What could I use it for?</b> Paper 1 of GCSE 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>
<p><b>In LP2.1, I will know:</b></p> <p>what a logic error and a syntax error in code is; the benefit of using different types of test data; how refining an algorithm makes a program more robust.</p>	<p><b>21/10/24 - (WK 2)</b></p> <p><b>Key Vocabulary</b></p> <p>Testing</p>	<p><b>Homework</b></p> <p>State the four different types of test data. Describe a scenario when you would use each one.</p>
<p><b>In LP2.2, I will know:</b></p> <p>examples of digital technology; what is meant by ethics; how to analyse and discuss the ethical implications of digital technology.</p>	<p><b>04/11/24 - (WK 1)</b></p> <p><b>Key Vocabulary</b></p> <p>Ethics</p>	<p><b>Homework</b></p> <p>Read content from website before the next lesson: <a href="https://www.bbc.co.uk/bitesize/guides/zhx26yc/revision/2">https://www.bbc.co.uk/bitesize/guides/zhx26yc/revision/2</a></p>
<p><b>LP2 RLW, I will:</b></p> <p>review my learning, recalling and applying key knowledge, and focus on closing any gaps in my knowledge.</p>	<p><b>11/11/24 - (WK 2)</b></p>	
<p><b>In LP2.3, I will know:</b></p> <p>how to analyse and discuss the cultural implications of digital technology; how to analyse and discuss the environmental implications of digital technology.</p> <p>Extended Task.</p>	<p><b>18/11/24 - (WK 1)</b></p> <p><b>Key Vocabulary</b></p> <p>Digital Divide</p>	<p><b>Homework</b></p> <p>Investigate the impact of cultures from the digital divide: <a href="https://www.youtube.com/watch?v=M2rNRevynQk">https://www.youtube.com/watch?v=M2rNRevynQk</a></p>
<p><b>In LP2.4, I will know:</b></p> <p>how to evaluate the severity of privacy issues from the use of digital technology; the need for each of the legislation which apply to the use of digital technology.</p>	<p><b>25/11/24 - (WK 2)</b></p> <p><b>Key Vocabulary</b></p> <p>Data Protection</p>	<p><b>Homework</b></p> <p>Investigate the environmental impact of technology: <a href="http://www.carnegiecyberacademy.com/facultyPages/environment/issues.html">http://www.carnegiecyberacademy.com/facultyPages/environment/issues.html</a></p>
<p><b>In LP2.5, I will know:</b></p> <p>what the Data Protection Act make it illegal to do; what the Computer Misuse Act make it illegal to do.</p>	<p><b>02/12/24 - (WK 1)</b></p> <p><b>Key Vocabulary</b></p> <p>Unauthorised access</p>	<p><b>Homework</b></p> <p>Explain the implications of privacy issues when using digital technology.</p>
<p><b>In LP2.6, I will know:</b></p> <p>know and understand the purpose of the Copyright Designs and Patents Act 1988: the penalties for breaking the Copyright Designs and Patents Act.</p> <p>Extended Task.</p>	<p><b>09/12/24 - (WK 2)</b></p> <p><b>Key Vocabulary</b></p> <p>Patents</p>	<p><b>Homework</b></p> <p>Research how Google and Facebook use your data? <a href="https://www.youtube.com/watch?v=NrmnaShNp-I">https://www.youtube.com/watch?v=NrmnaShNp-I</a></p>
<p><b>In LP2.7, I will know:</b></p> <p>the difference between open source and proprietary software; the benefits and disadvantages between each type of software.</p>	<p><b>16/12/24 - (WK 1)</b></p> <p><b>Key Vocabulary</b></p> <p>Proprietary</p>	<p><b>Homework</b></p> <p>Read content from website and watch videos before the next lesson: <a href="https://www.bbc.co.uk/bitesize/guides/z6r86sg/revision/4">https://www.bbc.co.uk/bitesize/guides/z6r86sg/revision/4</a></p>
<p><b>Resources to support learning:</b> Knowledge Organiser</p>		
<p><b>FFET Award Challenge for this Learning Programme:</b> Create a careers brochure for future Computer Scientists to explain the benefits of studying Computer Science and future employability.</p>		

PRT Task 1

PRT Task 2