

Computer Science Learning Overview 2020-2021

YEAR 12			YEAR 13		
Term	Topics	Assessment	Term	Topics	Assessment
1	<ul style="list-style-type: none"> <li>Introduction to course</li> <li>SLR 1 Structure and function of the processor (8 Lessons)</li> <li>SLR 2 Types of processor (4 Lessons)</li> <li>SLR 3 Input, output and storage (5 Lessons)</li> <li>Plus 19 dedicated programming lessons</li> </ul>	<ul style="list-style-type: none"> <li>Completed SLR's 1-3 form the basis for assessment.</li> <li>SLR 1-3 exam questions</li> <li>End of SLR unit assessments (exam paper)</li> </ul>	1	<ul style="list-style-type: none"> <li>SLR 18 Thinking abstractly (3 lessons)</li> <li>SLR 19 Thinking ahead (3 Lessons)</li> <li>SLR 20 Thinking procedurally (2 Lessons)</li> <li>SLR 21 Thinking logically (2 Lessons)</li> <li>SLR 22 Thinking concurrently (2 Lesson)</li> <li>Plus 18 dedicated project lessons</li> </ul>	<ul style="list-style-type: none"> <li>Completed SLR's 18-22 form the basis for assessment.</li> <li>SLR 18-22 exam questions</li> <li>End of SLR unit assessments (exam paper)</li> </ul>
2	<ul style="list-style-type: none"> <li>SLR 4 Systems software (8 lessons)</li> <li>SLR 5 Application generation (6 Lessons)</li> <li>SLR 6 Software development (4 Lessons)</li> <li>Plus 24 dedicated programming lessons</li> <li>Buffer week before Christmas</li> </ul>	<ul style="list-style-type: none"> <li>Completed SLR's 4-6 form the basis for assessment.</li> <li>SLR 4-6 exam questions</li> <li>End of SLR unit assessments (exam paper)</li> </ul>	2	<ul style="list-style-type: none"> <li>SLR 23 Programming techniques (6 Lesson)</li> <li>Plus 29 dedicated project lessons</li> </ul>	<ul style="list-style-type: none"> <li>Completed SLR 23 form the basis for assessment.</li> <li>SLR 23 exam questions</li> <li>End of SLR unit assessments (exam paper)</li> </ul>
3	<ul style="list-style-type: none"> <li>SLR 7 Types of programming language (6 lessons)</li> <li>SLR 9 Compression, encryption and hashing (5 Lessons)</li> <li>SLR 10 Databases (8 Lessons)</li> <li>Plus 15 dedicated programming lessons</li> </ul>	<ul style="list-style-type: none"> <li>Completed SLR's 7,9 &amp; 10 form the basis for assessment. SLR 7,9 &amp; 10 exam questions</li> <li>End of SLR unit assessments (exam paper)</li> </ul>	3	<ul style="list-style-type: none"> <li>SLR 24 Computational methods (6 Lessons)</li> <li>SLR 26 Algorithms (15 Lesson)</li> <li>Plus 9 dedicated project lessons</li> </ul>	<ul style="list-style-type: none"> <li>Completed SLR's 24 &amp; 26 form the basis for assessment.</li> <li>SLR 24 &amp; 26 exam questions</li> <li>End of SLR unit assessments (exam paper)</li> </ul>
4	<ul style="list-style-type: none"> <li>SLR 11 Networks (9 lessons)</li> <li>SLR 12 Web technologies (10 Lessons)</li> <li>Plus 17 dedicated programming lessons</li> </ul>	<ul style="list-style-type: none"> <li>Completed SLR's 11 &amp; 12 form the basis for assessment. SLR 11 &amp; 12 exam questions</li> <li>End of SLR unit assessments (exam paper)</li> </ul>	4	<ul style="list-style-type: none"> <li>30 dedicated project lessons</li> </ul>	
5	<ul style="list-style-type: none"> <li>SLR 13 Data types (14 lessons)</li> <li>SLR 14 Data structures (8 Lessons)</li> <li>Plus 8 dedicated programming lessons</li> </ul>	<ul style="list-style-type: none"> <li>Completed SLR's 13 &amp; 14 form the basis for assessment. SLR 13 &amp; 14 exam questions</li> <li>End of SLR unit assessments (exam paper)</li> </ul>	5	<ul style="list-style-type: none"> <li>Revision</li> </ul>	
6	<ul style="list-style-type: none"> <li>SLR 15 Boolean algebra (8 lessons)</li> <li>SLR 16 Computer related legislation (3 Lessons)</li> <li>SLR 17 Ethical, moral &amp; cultural issues (4 Lessons)</li> <li>Plus 27 project lessons</li> </ul>	<ul style="list-style-type: none"> <li>Completed SLR's 15-17 form the basis for assessment. SLR 15-17 exam questions</li> <li>End of SLR unit assessments (exam paper)</li> </ul>			