

A Level OCR Computer Science – Scheme of Learning (Linear two-year full A Level method)

LONG-TERM OVERVIEW

YEAR 12			YEAR 13		
Term	Topics	Assessment	Term	Topics	Assessment
1	<ul style="list-style-type: none"> Introduction to the course SLR 1 Structure and function of the processor (8 lessons) SLR 2 Types of processor (4 lessons) SLR 3 Input, output and storage (5 lessons) Plus 19 dedicated programming lessons 	<ul style="list-style-type: none"> Completed SLRs 1-3 form the basis for assessment. SLR 1-3 exam questions 	1	<ul style="list-style-type: none"> SLR 18 Thinking abstractly (3 lessons) SLR 19 Thinking ahead (3 lessons) SLR 20 Thinking procedurally (2 lessons) SLR 21 Thinking logically (2 lessons) SLR 22 Thinking concurrently (2 lessons) Plus 18 dedicated project lessons 	<ul style="list-style-type: none"> Completed SLRs 18-22 form the basis for assessment. SLR 18-22 exam questions
2	<ul style="list-style-type: none"> SLR 4 Systems software (8 lessons) SLR 5 Application generation (6 lessons) SLR 6 Software development (4 lessons) Plus 24 dedicated programming lessons Buffer week before Christmas 	<ul style="list-style-type: none"> Completed SLRs 4-6 form the basis for assessment. SLR 4-6 exam questions 	2	<ul style="list-style-type: none"> SLR 23 Programming techniques (6 lessons) Plus 29 dedicated project lessons 	<ul style="list-style-type: none"> Completed SLR 23 form the basis for assessment. SLR 23 exam questions
3	<ul style="list-style-type: none"> SLR 7 Types of programming language (6 lessons) SLR 9 Compression, encryption and hashing (5 lessons) SLR 10 Databases (8 lessons) Plus 17 dedicated programming lessons 	<ul style="list-style-type: none"> Completed SLRs 7, 9 and 10 form the basis for assessment. SLR 7, 9 and 10 exam questions 	3	<ul style="list-style-type: none"> SLR 24 Computational methods (6 lessons) SLR 25 Algorithms (7 lessons) SLR 26 Algorithms (7 lessons) Plus 9 dedicated project lessons 	<ul style="list-style-type: none"> Completed SLRs 24 and 26 form the basis for assessment. SLR 24, 25 and 26 exam questions
4	<ul style="list-style-type: none"> SLR 11 Networks (9 lessons) SLR 12 Web technologies (10 lessons) Plus 17 dedicated programming lessons 	<ul style="list-style-type: none"> Completed SLRs 11 and 12 form the basis for assessment. SLR 11 and 12 exam questions 	4	<ul style="list-style-type: none"> 30 dedicated project lessons 	
5	<ul style="list-style-type: none"> SLR 13 Data types (14 lessons) SLR 14 Data structures (8 lessons) Plus 8 dedicated programming lessons 	<ul style="list-style-type: none"> Completed SLRs 13 and 14 form the basis for assessment. SLR 13 and 14 exam questions 	5	<ul style="list-style-type: none"> Revision 	
6	<ul style="list-style-type: none"> SLR 15 Boolean algebra (8 lessons) SLR 16 Computer-related legislation (3 lessons) SLR 17 Ethical, moral and cultural issues (4 lessons) Plus 27 project lessons 	<ul style="list-style-type: none"> Completed SLRs 15-17 form the basis for assessment. SLR 15-17 exam questions 	<p>The dedicated programming lessons are for students to engage in self-directed programming. We have hundreds of activities, worksheets and programming challenges for them to complete, available through your premium resources account.</p> <p>For a detailed breakdown of which lessons to deliver week by week, see our Excel delivery calendar OCR A-Level Linear - 1-week model (delivery calendar).xlsx, which this SoL is based on.</p>		