

## GCSE AQA Computer Science (8525) – Scheme of Learning

### LONG-TERM OVERVIEW

YEAR 10			YEAR 11		
Term	Topics	Assessment	Term	Topics	Assessment
1	<ul style="list-style-type: none"> <li>• Introduction to the course</li> <li>• SLR 1 Systems architecture                             <ul style="list-style-type: none"> <li>◦ 6 lessons</li> </ul> </li> <li>• SLR 2 Memory and storage                             <ul style="list-style-type: none"> <li>◦ 6 lessons</li> </ul> </li> <li>• SLR 3 Computer networks, protocols and layers                             <ul style="list-style-type: none"> <li>◦ 3 lessons</li> </ul> </li> <li>• <b>Plus 5 dedicated programming lessons</b></li> </ul>	SLR 1 Student workbook SLR 1 End-of-topic test SLR 2 Student workbook SLR 2 End-of-topic test	1	<ul style="list-style-type: none"> <li>• SLR 7 Algorithms                             <ul style="list-style-type: none"> <li>◦ 14 lessons</li> </ul> </li> </ul>	
2	<ul style="list-style-type: none"> <li>• SLR 3 Computer networks, protocols and layers                             <ul style="list-style-type: none"> <li>◦ 5 lessons</li> </ul> </li> <li>• SLR 4 Cybersecurity                             <ul style="list-style-type: none"> <li>◦ 9 lessons</li> </ul> </li> <li>• SLR 5 Hardware and software                             <ul style="list-style-type: none"> <li>◦ 5 lessons</li> </ul> </li> <li>• <b>Plus 5 dedicated programming lessons</b></li> </ul>	SLR 3 Student workbook SLR 3 End-of-topic test SLR 4 Student workbook SLR 4 End-of-topic test	2	<ul style="list-style-type: none"> <li>• SLR 7 Algorithms                             <ul style="list-style-type: none"> <li>◦ 6 lesson</li> </ul> </li> <li>• SLR 11 Boolean logic                             <ul style="list-style-type: none"> <li>◦ 5 lessons</li> </ul> </li> <li>• <b>Plus 5 paper 1 exam revision lessons</b></li> </ul>	SLR 7 Student workbook SLR 7 End-of-topic test SLR 11 Student workbook SLR 11 End-of-topic test
3	<ul style="list-style-type: none"> <li>• SLR 5 Hardware and software                             <ul style="list-style-type: none"> <li>◦ 2 lessons</li> </ul> </li> <li>• SLR 6 Ethical, legal and environmental impacts                             <ul style="list-style-type: none"> <li>◦ 8 lessons</li> </ul> </li> <li>• <b>Plus 8 dedicated programming lessons</b></li> </ul>	SLR 5 Student workbook SLR 5 End-of-topic test	3	<ul style="list-style-type: none"> <li>• SLR 12 Classification of programming languages                             <ul style="list-style-type: none"> <li>◦ 5 lessons</li> </ul> </li> <li>• <b>Plus 7 paper 1 exam revision lessons</b></li> </ul>	SLR 12 Student workbook SLR 12 End-of-topic test
4	<ul style="list-style-type: none"> <li>• SLR 13 Data representation                             <ul style="list-style-type: none"> <li>◦ 14 lessons</li> </ul> </li> <li>• <b>Plus 4 dedicated programming lessons</b></li> </ul>	SLR 13 Student workbook SLR 13 End-of-topic test	4	<ul style="list-style-type: none"> <li>• SLR 14 Relational databases and SQL                             <ul style="list-style-type: none"> <li>◦ 6 lessons</li> </ul> </li> <li>• <b>Plus 6 paper 1 exam revision lessons</b></li> </ul>	SLR 14 Student workbook SLR 14 End-of-topic test
5	<ul style="list-style-type: none"> <li>• SLR 8 Basic programming concepts                             <ul style="list-style-type: none"> <li>◦ 6 lessons</li> </ul> </li> <li>• SLR 9 Advanced programming concepts                             <ul style="list-style-type: none"> <li>◦ 6 lessons</li> </ul> </li> <li>• <b>Plus 3 dedicated programming lessons</b></li> </ul>	SLR 8 Student workbook SLR 8 End-of-topic test	5	This final term before Easter has been set aside for you to use as you see fit.  Refer to the SoL for suggestions.	Past papers Smart Revise
6	<ul style="list-style-type: none"> <li>• SLR 9 Advanced programming concepts                             <ul style="list-style-type: none"> <li>◦ 2 lessons</li> </ul> </li> <li>• SLR 10 Robust and secure programming                             <ul style="list-style-type: none"> <li>◦ 6 lessons</li> </ul> </li> <li>• <b>Plus 13 text-based adventure game lessons</b></li> </ul>	SLR 9 Student workbook SLR 9 End-of-topic test SLR 10 Student workbook SLR 10 End-of-topic test	Along with full, dedicated programming lessons in year 10, many of the theory lessons are half-lessons and allow for the second half to be used for programming. See the delivery calendar “1.2 OCR GCSE J277 - 1-week model (delivery calendar).xlsx”		