

The 'big' skills needed for AS level:

- AO1 – Recall & Practical Application
- AO2 – Analyse and Apply to real world
- AO3 – Problem Solve and Evaluate in real world

Subject: Computer Science AS level (OCR Computer Science H046 spec)

Orange font: Teacher 2 (Teacher 2 teaches all of Unit 2 and some of Unit 2)

SLR1-17 Unit 1

SLR18-26 Unit 2



Roding Valley

Year	<u>Term 1</u> →	<u>Term 2</u> →	<u>Term 3</u> →
Year 12	<p>Topic: AS&A-Lv U1 SLR13 / Chap28,29 Data types Skills: AO1 Assessment: Exam Questions</p> <p>Topic: AS&A-Lv SLR14 / Chap33 Data structures Skills: AO1, AO2, AO3 Assessment: Exam Questions</p> <p>Topic: AS&A-Lv SLR23 / Chap53-58 Programming techniques Skills: AO1, AO2 Assessment: Exam / Programming Task</p> <p>Topic: AS&A-Lv SLR18 / Chap47 Thinking Abstraction Skills: AO1, AO2, AO3 Assessment: Exam</p> <p>Topic: AS&A-Lv SLR19 / Chap48 Thinking Ahead Skills: AO1, AO2, AO3 Assessment: Exam</p> <p>Topic: AS&A-Lv SLR21 / Chap50 Thinking Logically Skills: AO1, AO2 Assessment: Exam</p> <p>Topic: AS&A-Lv SLR22 / Chap50 Thinking concurrently Skills: AO1, AO2, AO3 Assessment: Exam</p>	<p>Topic: AS-Lv SLR25 / Chap34,36,60,61 Algorithms Skills: AO1, AO2, AO3 Assessment: Exam</p> <p>Topic: AS&A-Lv SLR14 / Chap33-39 Data structures Skills: AO1, AO2, AO3 Assessment: Exam Questions</p>	<p>Topic: AS&A-Lv SLR13 / Chap28-32 Data types Skills: AO1 Assessment: Exam Questions</p> <p>Topic: AS&A-Lv SLR15 / Chap40-43 Boolean algebra Skills: AO1, AO2, AO3 Assessment: Exam Questions</p>

By the end of year 12, our students can:

Recall and apply knowledge of Computer Science for different situations by analysing and applying their knowledge to solve real world problems.



The 'big' skills needed for AS level:

- AO1 – Recall & Practical Application
- AO2 – Analyse and Apply to real world
- AO3 – Problem Solve and Evaluate in real world

Subject: Computer Science AS level (OCR Computer Science H046 spec)




Blue font: Teacher 1 (Teacher 1 teaches only Unit 1)

SLR1-17 Unit 1

SLR18-26 Unit 2



Roding Valley

Year	<u>Term 1</u> 	<u>Term 2</u> 	<u>Term 3</u> 
Year 12	<p>Topic: A&AS-Lv SLR3 / Chap4-6 Input, output and storage Skills: AO1, AO2 Assessment: Exam Questions</p> <p>Topic: AS&A-Lv SLR01 / Chap1-3 Structure and function of the processor Skills: AO1 Assessment: Exam Questions</p> <p>Topic: AS&A-Lv SLR02 / Chap3 Types of processor Skills: AO2, AO3 Assessment: Exam Questions</p> <p>Topic: AS-Lv SLR8 / Chap14 Introduction to programming Skills: AO1, AO2, AO3 Assessment: Exam Questions</p> <p>Topic: A&AS-Lv SLR4 / Chap7-8 Operating systems - Systems software Skills: AO1 Assessment: Exam Questions</p> <p>Topic: A&AS-Lv SLR5 / Chap10 Application generation Skills: AO1 Assessment: Exam Questions</p>	<p>Topic: AS&A-Lv SLR10 / Chap16-20 Databases Skills: AO1, AO2, AO3 Assessment: Exam Questions</p> <p>Topic: AS&A-Lv SLR11 / Chap21-23 Networks Skills: AO1 Assessment: Exam Questions</p> <p>Topic: AS&A-Lv SLR12 / Chap24-27 Web Technologies Skills: AO1, AO2, AO3 Assessment: Exam Questions</p>	<p>Topic: AS&A-Lv SLR10 / Chap16-20 Databases Skills: AO1, AO2, AO3 Assessment: Exam Questions</p> <p>Topic: AS&A-Lv SLR11 / Chap21-23 Networks Skills: AO1 Assessment: Exam Questions</p> <p>Topic: AS&A-Lv SLR12 / Chap24-27 Web Technologies Skills: AO1, AO2, AO3 Assessment: Exam Questions</p> <p>Topic: AS&A-Lv SLR16 / Chap44 Computer related legislation Skills: AO1, AO2, AO3 Assessment: Exam Questions</p> <p>Topic: AS&A-Lv SLR17 / Chap45,46 Ethical, moral and cultural issues Skills: AO1, AO2, AO3 Assessment: Exam Questions</p>

By the end of year 12, our students can:

Recall and apply knowledge of Computer Science for different situations by analysing and applying their knowledge to solve real world problems.



The 'big' skills needed for AS level:

- AO1 – Recall & Practical Application
- AO2 – Analyse and Apply to real world
- AO3 – Problem Solve and Evaluate in real world

Subject: Computer Science A level (OCR Computer Science H446 spec)

Orange font: Teacher 2 (Teacher 2 Recaps all of Unit 1 with some Unit 1 however then prepares student's for independent work on Unit 3 Project Work)
SLR1-17 Unit 1
SLR18-26 Unit 2



Year	<u>Term 1</u> →	<u>Term 2</u> →	<u>Term 3</u> →
Year 13	<p>Topic: Unit 3 Project Skills: AO1, AO2, AO3 Assessment: Project</p> <p>Topic: AS&A-Lv SLR18 / Chap47 Thinking Abstraction Skills: AO1, AO2, AO3 Assessment: Exam</p> <p>Topic: AS&A-Lv SLR19 / Chap48 Thinking Ahead Skills: AO1, AO2, AO3 Assessment: Exam</p> <p>Topic: A-LV SLR7 / Chap13 Types of programming language Skills: AO1, AO2, AO3 Assessment: Exam Questions</p> <p>Topic: AS&A-Lv SLR23 / Chap56,58 Programming techniques Skills: AO1, AO2 Assessment: Exam / Programming Task</p> <p>Topic: AS&A-Lv SLR21 / Chap50 Thinking Logically Skills: AO1, AO2 Assessment: Exam</p> <p>Topic: A-Lv SLR20 / Chap49 Thinking Procedurally Skills: AO1, AO2 Assessment: Exam</p> <p>Topic: AS&A-Lv SLR22 / Chap50 Thinking concurrently Skills: AO1, AO2, AO3 Assessment: Exam</p>	<p>Topic: Unit 3 Project Skills: AO1, AO2, AO3 Assessment: Project</p> <p>Topic: AS-Lv SLR25 / Chap34,36,60,61 Algorithms Skills: AO1, AO2, AO3 Assessment: Exam</p> <p>Topic: AS&A-Lv SLR14 / Chap33-39 Data structures Skills: AO1, AO2, AO3 Assessment: Exam Questions</p> <p>Topic: A-Lv SLR24 / Chap51,52 Computational methods Skills: AO1, AO2, AO3 Assessment: Exam</p>	<p>Topic: A-Lv SLR26 / Chap10,16 Algorithms Skills: AO1, AO2, AO3 Assessment: Exam</p> <p>Topic: AS&A-Lv SLR13 / Chap28-32 Data types Skills: AO1 Assessment: Exam Questions</p> <p>Topic: AS&A-Lv SLR15 / Chap40-43 Boolean algebra Skills: AO1, AO2, AO3 Assessment: Exam Questions</p>

By the end of year 13, our students can:

Recall and apply knowledge of Computer Science for different situations by analysing and applying their knowledge to solve real world problems.



The 'big' skills needed for AS level:

- AO1 – Recall & Practical Application
- AO2 – Analyse and Apply to real world
- AO3 – Problem Solve and Evaluate in real world

Subject: Computer Science A level (OCR Computer Science H446 spec)

Blue font: Teacher 2 (Teacher 2 recaps all of Unit 1 and teachers all new topics of Unit 2)
SLR1-17 Unit 1
SLR18-26 Unit 2



Roding Valley

Year	<u>Term 1</u> →	<u>Term 2</u> →	<u>Term 3</u> →
Year 13	<p>Topic: AS&A-Lv SLR10 / Chap16-20 Databases Skills: AO1, AO2, AO3 Assessment: Exam Questions</p> <p>Topic: A-Lv SLR6 / Chap11-12 Software development Skills: AO1, AO3 Assessment: Exam Questions</p> <p>Topic: AS&A-Lv SLR11 / Chap21-23 Networks Skills: AO1 Assessment: Exam Questions</p> <p>Topic: AS&A-Lv SLR12 / Chap24-27 Web Technologies Skills: AO1, AO2, AO3 Assessment: Exam Questions</p>	<p>Topic: AS&A-Lv SLR01 / Chap1-3 Structure and function of the processor Skills: AO1 Assessment: Exam Questions</p> <p>Topic: AS&A-Lv SLR02 / Chap3 Types of processor Skills: AO2, AO3 Assessment: Exam Questions</p> <p>Topic: A-LV SLR7,8 / Chap14 Types of programming language, Introduction to programming Skills: AO1, AO2, AO3 Assessment: Exam Questions</p> <p>Topic: A&AS-Lv SLR4 / Chap7-8 Operating systems - Systems software Skills: AO1 Assessment: Exam Questions</p> <p>Topic: Unit 3 Project Support Skills: AO1, AO2, AO3 Assessment: Project</p>	<p>Topic: A&AS-Lv SLR5 / Chap10 Application generation Skills: AO1 Assessment: Exam Questions</p> <p>Topic: A-Lv SLR9 / Chap15 Compression, encryption and hashing Skills: AO1, AO2, AO3 Assessment: Exam Questions</p> <p>Topic: AS&A-Lv SLR16 / Chap44 Computer related legislation Skills: AO1, AO2, AO3 Assessment: Exam Questions</p> <p>Topic: AS&A-Lv SLR17 / Chap45,46 Ethical, moral and cultural issues Skills: AO1, AO2, AO3 Assessment: Exam Questions</p>

By the end of year 13, our students can:

Recall and apply knowledge of Computer Science for different situations by analysing and applying their knowledge to solve real world problems.

