

5. Year 10 Curriculum Plan - TEMPLATE

YEAR 10	HALF TERM 5	SUBJECT Computer Science	LEARNING		
TOPIC	LEARNING OBJECTIVES	KEY VOCABULARY	LEARNING SEQUENCE	LINKED LEARNING	HOME LEARNING
.			In pupil friendly language. Headings in pupils' books should match text here.	Links to: <ul style="list-style-type: none"> Year 6 work (for Year 7 plans) Other topics Other subjects. (concise and most important links only).	
SLR 1.4 – End of topic test	End of topic test		Test - SLR 1.4		None for this lesson
SLR 1.4 – Action	Action / Response lessons		Chance for students to respond to feedback, improve workbooks, correct misunderstandings		None for this lesson
Dedicated independent programming	Gain experience in practical programming by using our wide variety of programming resources (Programming theory support PowerPoint, Learning tasks objectives 01-11, Problems to support the learning tasks, Programming progress checklist)		Progress with individual programming challenges		None for this lesson
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SLR 1.5 System software					
SLR 1.5 – Lesson 1, The purpose and functionality of operating systems	<ul style="list-style-type: none"> Know the purpose and functionality of operating systems. Know the different types of user interface and understand the features of each. <p>KEY QUESTION: Why does your computer need an operating system?</p>	Slides 110-122 Systems software, Operating system, User interface, Memory management, Multitasking, Peripheral management, Driver, User management, File management, Utility software, Encryption software, Defragmentation software, Data compression software	SLR 1.5 Workbook Complete slides 2-3 Programming		1.5 Operating systems part 1
SLR 1.5 – Lesson 2, Operating systems part 1	<ul style="list-style-type: none"> Know what is meant by the term multi-tasking. Understand how the OS manages the memory. Understand the need for device drivers. <p>KEY QUESTION: How does a computer manage having lots of programs open and running at the same time?</p>		SLR 1.5 Workbook Complete slides 4-6 Programming		1.5 Operating systems part 2
SLR 1.5 – Lesson 3, Operating systems part 2	<ul style="list-style-type: none"> Understand what is meant by the term, 'user management'. Understand ways in which the operating system manages files <p>KEY QUESTION: What features does an operating system give users?</p>		SLR 1.5 Workbook Complete slides 7-8 Programming		1.5 Utility system software

SLR 1.5 – Lesson 4, Utility system software	<ul style="list-style-type: none"> Understand encryption utilities. Understand defragmentation utilities. Understand data compression utilities. <p>KEY QUESTION: What is the purpose of utility software?</p>		SLR 1.5 Workbook Complete slide 9 Programming		Revise what you have learnt in this unit
Dedicated independent programming	Gain experience in practical programming by using our wide variety of programming resources (Programming theory support PowerPoint, Learning tasks objectives 01-11, Problems to support the learning tasks, Programming progress checklist)		Progress with individual programming challenges		None for this lesson
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SLR 1.5 – End of topic test	End of topic test		Test - SLR 1.5		None for this lesson
SLR 1.5 – Action	Action / Response lessons		Chance for students to respond to feedback, improve workbooks, correct misunderstandings		None for this lesson