

Promoting Independence at KS5



Student Name:		Teacher Initials:		Subject:	Computer Science
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In order to be successful at KS5 you will need to do lots of independent learning and take accountability for your learning. These tasks will allow you to apply your learning to the real world and explore the impact of the theory and concepts you have been learning in your subjects.

You will find below some suggestions for activities you could do throughout the year. Some of them are one-off tasks, but some of them, such as watching news bulletins and reading magazines, should become regular habits. Keep this learning log and all your evidence. This independent learning will stretch and build on your capability in this subject.

Task (in no particular order)	Completed (date/s)	Evidence seen (date/s & teacher's initials)
<i>Task 1: Read the BBC tech page weekly: link</i>		
<i>Task 2: Work through the PMT revision material: link</i>		
<i>Task 3: Use Wingspan to complete the data structures and algorithms activities. link</i>		
<i>Task 4: Watch the Craig and Dave video series on YouTube: link</i>		
<i>Task 5: Practise your Python programming (at least three hours) weekly.</i>		

Below is a list of possible courses to extend your independent learning, recommended by your KS5 subject leader.

Udemy – <https://www.udemy.com/>

Course Number	Course Title
	Learn Python for Total Beginners
	Python OOP : Object Oriented Programming in Python
	Java Programming for Beginners - Become a Java Developer

MOOC - <https://www.my-mooc.com/en/>

Course Title	Provider
INTRO TO RELATIONAL DATABASES	UDACITY
HTML, CSS, AND JAVASCRIPT FOR WEB DEVELOPERS	Coursera
ALGORITHMS: DESIGN AND ANALYSIS, PART 1	Coursera
ADVANCED ALGORITHMICS AND GRAPH THEORY WITH PYTHON	edX