Year 9 Computer Science Curriculum Plan

	Key concept/ Key question	Overview of the unit	Assessment	Cross Curricular Skills	Suggested reading material and websites:
	Programming skills	How to analyse simple problems and make a plan How to use the basic programming constructs of sequence, selection and iteration How to use basic input and output commands How to use variables and to name them effectively How to use comments to make code readable How to use simple validation techniques to make code robust	Practice projects written in python. Written tests	Logic and reasoning	www.codeacademy.org (to learn python) The MOOC (students have access to this)
	Binary representation	Converting numbers between denary and binary Using binary to represent images, sound, numbers and text Using logic gates to represent Boolean logic	Written tests	Mathematical skills – number bases.	The MOOC (students have access to this)