				Algorithms & Computational	and 1: & Programming Thinking & Python		Strand 2: Data Representation Databases, Binary & Boolean Logic	Strand 3: Computer Systems Hardware, Software and Operating Syemts	Strai Netwo Internet, Netwoo	nd 4: orking rking & Security	Strand 5: Information Technology Digital Literacy, Graphic Design & A.I.	Blooms' Taxonomy
				Year 8 I can create programs using a range of techniques I can create efficient and effective programs	Year 9 I can demonstrate a range of programming techniques I can produce programs which are free from errors and well documented	Year 7 I can explain the hierarcy of the units of data storage	Year 9 I can add data to a database I can query a database to produce meaningful results and I can present these in a professional format	I can explain the basic systems architecture in Von Neumann Architecture	Year 8 Loan explain the different types and topologies of networks Loan explain the key differences between wired and wireless network technologies Loan explain how the Internet	Year 9 I can explain the different forms of threats to computers systems and networks I can explain common prevention methods from forms of system attacks	Year 9 I can use a range of formula and functions to model a real-world problem I can use spreadsheet tools to format data and predict data trends	
Mas	er States	ments	Mastering		As - I are create efficient and depart programs copy factories and only appropriate copy programs (procedure) and other programming (brichings to create structured; re-stable code 48.2 - I can used filtering set of sea, including flootians, string; integer and real appropriately 42.1 - I understand the difference between and can use suitable loops including count (for) and condition structures (Variables) and condition (see the condition of the condition of the structures (Variables) to solve problems 42.1 - I can write programs which and denous through wild claims, e.g. "Try/Escapt"		A I can design a (super insertinal) from the enter data and super second and a super second and 48 - I can embed web content onto my form 40 - I can create a unique database which serve a real- world purpose 40 - I can create maningful reports and analyse these to give recommendations based on the data.		and a	44- Ten rugget a salable sendolg (for season for particular sendolg) for season for particular particular form of stack on an individual or organisation.	AA-1 can use 30 references across multiple sheets the 1 can use a range of advanced formula such as COUNTE, VLOOKUP 10-1 can interpret also and provide a detailed analysis from my model 45-1 can create a menu system using Macron	Evoluation
			r9 Extending		As I can perform common operations on numeric and Bostome data. 38 I can understand and sea basic engine manipulation, some manipulation, common manipulation, some manipulation, concentration, lower(i), supper(i), stier(i), stier(ii), supper(ii), stier(iii), supper(iii), supper(iiii), supper(iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii		SA - I can choose a range of fedds which reflect the entity fully fully SA - I can choose a range of appropriate data types for the different fields SC - I shoose appropriate formatting a, g. currencies, data formating and control of properties of properties of scalar and scalar and scalar and scalar and scalar and purpose audience and purpose			3A-1 can explain the impact that attacks right have on an individual or organization.	As I can use Goal Seek to find a terget value use IF Statements to produce conditional output. Siz I can use IF Statements to produce conditional output. Cut I can use Validation to limit values on cells 20 I can use Validation to limit values on cells 20 I can plot complex charts with secondary areas used, a climate charts El I can add irendines to predict trends	Syrdheiss
	lear 8	Mastering	Year 9 Secure	and libraries when relevant such as time and random. BB-1 can successfully combine sequence, selection and iteration. 4C - My program meets the brief fully, i.e. solves the problem. 4D - 1 can choose approprist data structures. (Variables. Lists and	2A - I can devise maningful names for unstables 2B - I can modify variables and 2B - I can modify variables are constants using operators (**)* 2C - I can use basis functions, e.g. propt and print 2D - I can use selection IF statements for selection 2E - I can use White loops for conditional fleration 2E - I can create programs which un, and are free from logic or systax errors		2A - I can devise meaningful names to Fields 2B - I show the difference between different data types 2C - I can create my own database tables 2E - I can create a query which uses logical operators or wild distance and the control of the control o		As 1 can explain the roles of amense. As 1 can explain the view of the content of a mense. As 1 can explain how ViF works and ViCs As 1 can explain how ViF works and As 1 can explain how As 2 c	2A - Lan describe the characteristics of several forms of states that might be described that might be described to the several forms of states and extended as the several forms of the several forms	2A - I can use gold references in my formula 2B - I can use conditional formatting to highlight values. 2C - I shouse appropriate formatting, e.g., currencine, data formats 2D - I can observe any appropriate chart for continuous or discerne data. 2E - I can observe a superposted chart of a sprepriate for audience and purpose	Analysis
		Extending	Developing	3A-1 can perform common operations on numeric and Boolean coperations on numeric and Boolean and Sal-1 can use different hypes of data including Boolean, string, entager and real appropriately 2C-1 by program anse service (loses not crash) 2D-1 can understand and use basic citring manipulation, e.g. concatenation, loverill, appell, 1884) 2B-1 can understand and use basic citring manipulation, e.g. concatenation, loverill, appell, 1884 2B-1 can use While loops for conditional iteration or For loops for unconditional terration.	1A - I can use variables and constants in 1B - I can identify variables, operation, Pipelis, colputs and assignments I Cr. I can explain the function of code using &comments.		18.1 - Lam add data to an existing database which has been pire population! 18.1 - Lam create a simple query to search on one criteria		3A - I can explain the factors that disched the performance of networks disched the performance of networks 2B - I can explain the prixe and consist of a size and meth being 2D - I can explain the prixe and consist and meth being 2D - I can explain the prixe and consist different transmission media 2D - I can explain the prixe and consist different transmission media 2D - I can explain the media for encryption across a network.	14.1 can recall some forms of attack margit females recognize registers and retired that might females recognize registers and retireds file. 1 can seal some common presention methods to protect computer systems and networks.	IA. I remember to start all formula with an equals sign. 18. I can use arithmetic symbols to perform adoutations. 10. I can use authentic symbols to perform adoutations. 10. I can use auth functions such as AutoSum. 10. I can create a chart to visualise data. 15. I can label my chart to provide meaning and contest.	Application
	Mastering	Secure		2a - Lan dedez maximight names for evables: 2a - Lan modify evables and contains using operation and 2a - Lan use state incident using operation of price and price an		I can explain why data is represented in complier represented in complier systems in briary form			2A-1 can explain the difference between a LAW and ziele 28-1 can state the hardware needed to connect stand-enter computers the 1A-cod fine habens. 2D-1 can state the habens 2D-1 can state the habens publication of missions publications and the publication of missions publications and the publication of the publication 2D-1 can state the arbeits and werd restoration. 2D-1 can state the publication and werd consistency 2D-1 can state the publication and the publication of publication of publication of consistency 2D-1 can state the publication and publication of consistency 2D-1 can state the publication and publication of computer consortion.			Appleation
fear 7	Extending	Developing		IA-1 starrent to use inputs and conjunts conjunts are useful in the function of code early alcomments. 1G-1 can program a sequence of institutions. 1G-1 can follow a scalified anticulations. 1D-1 can follow a scalified solution. However, my code may have synthe enter. 1E-1 attempt to use variables and constants.		I can calculate basic storage capacity nums. Eg. 100 MB * 10 = 10B		3A-1 can define a computer system 3B -1 can describe the purpose of RAM in a computer system 3C -1 can suplain the need for secondary storage. 3C -1 can state the purpose of the CRU as the processor of data and information.	1A-1 can name some network devices 1B-1 can name some devices needed to create a writess network to create a writess network. 1C-1 can name some devices on the terms of the name some devices on the terms.			Comprehension
Yes	Secure					I can order units of storage from bit to Pecallyte		2A-1 understand the terms handware and Software handware and Software 28-1 understand what the difference between an input and output device is 2C-1 can recall one storage device. 2C-1 can recall an estimate of the software storage device. 2C-1 can recall a variety of input and output devices.				Comprehension
	Developing					Tean state some units of storage		1A-1 can roate different handware devices in the term input or output desire. 18-1 can recall the term input or output desire. 18-1 can recall the term storage device of the term storage device. 10-1 can recall the names of different software.				обинай в