Year 8 Computer Science	Emerging	Developing	Secure	Mastery
	Identify an example of a	Identify examples of	Describe the purpose of	Describe the features of RAM
	computer input and output.	computer inputs and outputs.	different types of computer hardware.	and ROM.
	Identify an example of	outputs.	naraware.	Select and justify a computer
	computer hardware.	Identify examples of	Describe the features of	storage type and device for a
		computer hardware.	different types of computer	given scenario.
Hardware and	Identify different types of		storage.	
software	computer storage.	Identify a range of storage		Describe how utility software
	Identify on evernle of an	devices within the 3 types of	Describe the purpose of an	helps a computer system.
	Identify an example of an operating system.	storage.	operating system.	
	operating system.	Identify examples of	Describe the purpose of	
	Identify an example of utility	operating systems.	utility software.	
	software.			
		Identify examples of utility		
		software.		
	Identify and describe an	Identify different data types.	Describe the use of different	Identify and describe the use
	integer as a data type.	Describe the difference	data types.	of different data types from a
	Describe the term syntax	between syntax and logic	Identify syntax and logic	given scenario.
	error.	errors.	errors in code.	Refine and improve code by
				fixing syntax and logic errors.
	Describe the term logic	Select the correct boolean	Describe the use of 3 string	
Sequence and	error.	and comparison operator for	manipulation techniques -	Describe the programming
selection		a given problem.	length, upper/lower case	skill that applies for a flow
	Identify different arithmetic and comparison operators.	Describe the 3 programming	and substring.	diagram shape.
	and companison operators.	constructs - sequence,	Describe the use of different	Create code using a wide
	Identify the 3 programming	selection and iteration.	flow diagram shapes.	range of arithmetic and
	constructs - sequence,			comparison operators.
	selection and iteration.	Describe the difference	Create code using different	
	Identify an example of a flow	between the 2 types of	arithmetic and comparison	Create code with multiple
	diagram shape	iteration - count and condition loop.	operators.	selection statements.
		condition toop.		

Year 8 Computer	Emorging	Dovoloning	Soouro	Mastery
Science	Emerging	Developing	Secure	Маѕсегу

	Create code with outputs.	Identify 3 string	Identify programming	Create code using the 3 string
		manipulation techniques -	constructs used in a given	manipulation techniques -
		length, upper/lower case	code.	length, upper/lower case and
		and substring.		substring.
			Read and interpret code with	
		Identify a range of examples	multiple selection	
		of flow diagram shapes.	statements.	
		Read and interpret code with	Create code with 2 selection	
		2 selection statements.	statements.	
		Create code with inputs and		
		outputs.		
		·		
	Identify the 2 values	Identify a wide range of data	Describe capacities of	Identify data capacity for
	understood by a computer.	units.	different data units.	different types of storage.
	Identify an example of a data	Identify binary and denary as	Describe the output of	Identify denary values for a
	unit.	2 different base systems.	different logic gates and	given number of binary units.
Number average			complete truth tables.	
Number systems	Identify binary or denary as a	Describe the output of a		Identify binary units needed
	base system.	logic gate and complete a	Convert between binary and	for a given denary value.
	Identify AND, OR and NOT as	truth table.	denary base systems.	Create logic diagrams using a
	logic gates.	Create a logic diagram using	Create logic diagrams using	combination of logic gates
	togio gatos.	an AND, OR or NOT logic	AND, OR and NOT logic	and complete truth tables.
		gate.	gates.	and complete truth tubles.
			G	