Computing	Year 7

GFS Assessment Level	Assessment Criteria					
	Modelling	Programming (visual programming language)	Computer Systems	Data Analysis(using MS Access)	Analysis	E-Safety Focus(Scams and Cyberbullying)
M2	Create a simple model for a complex problem.	Use variables, lists and simple procedures correctly in programs. Explore the effects of changing the variables in a model or program. Develop, try out and refine sequence of instructions and show efficiency in framing these instructions. Make use of procedures without parameters in my programs.	Recognises that a range of digital devices can be considered a computer. Evaluate all types of embedded computers.	With ease, use a range of advanced techniques/features in data handling applications to design a search criteria and analyse data.	Analyse and present an algorithm for a given task.	Recognise a range of methods scammers use to gain personal information. Recognise what is acceptable and unacceptable behaviour when using technologies and online services and create a list of Do's and Don'ts.
M1	Recognise similarities in more complex problems	Examine the need for a computational table.	Organise a range of operating systems and application	Perform more complex searches for information e.g. using	Take a problem and divide it into a main sub-problem.	Demonstrate the use of computers safely and responsibly,

	required by combining a set of functions.	Think through an algorithm and predict an output. Justify the need for care and precision of syntax and typography in giving instructions.	software for the same hardware.	Boolean and relational operators in a database file.		knowing a range of ways to report unacceptable content and contact when handling a scam or a cyberbully.
S3	Produce a model which fits some aspects of these problems by applying a set of functions.	Explore the goals of a given problem. Test the work and suggest how to improve it.	Recognise and examine the function of the main internal parts of basic computer architecture.	Understand why sorting data in a database file can improve searching for information and apply these concepts practically.	Demonstrate the need for care and precision of syntax and typography in giving instructions.	Understand the importance of communicating safely and respectfully online. Know that information should be kept private and is able to apply this in a scam or cyberbully case.
S2	Modify solutions to one problem and adapt them for similar problems. Recognise similarities in given problems. Produce a model which fits some aspects of these problems.	Identify and analyse some of the goals of a given problem. Perform some testing on my work.	Know the main functions of the operating system.	Query data on one table and use filters to help search for information.	Describe what is meant by a computational table. Think through an algorithm and predict an output.	Explain how to identify and report inappropriate conduct in case of a scam or cyberbully case.
S1	Recognise similarities between simple problems and the ways in which they can be solved.	Discuss and demonstrate how sequence, selection, repetition and procedures can be combined together to solve problems.	Recommend a suitable piece of hardware for a given task.	Explain the difference between data and information and relate it to a table and record.	Describe the goals of a given problem. Test my work and suggest how I can improve it	Use digital devices and the internet safely and responsibly in all projects by recognising spam emails.

		Identify similarities between tasks.				
D2	Read a sequence of instructions and predict what the result will be. Develop and improve my instructions.	Plan a sequence of instructions. Produce a linear sequence of instructions using input, output and process statements to make things happen. Identify algorithms and its purpose. Demonstrate some understanding that computer systems work step by step and can only do what we tell them.	Explain the purpose of the four types of hardware.	Assign appropriate data types and how to create an appropriate file structure.	Describe some of the goals of a given problem. Perform some testing on my work.	Identify the risks of working online. Identify ways of how to keep personal details safe when handling a phishing email.
D1	Read a sequence of instructions and have some success at predicting what the result will be. Identify some areas that can be improved.	Plan a simple sequence of instructions. Produce a simple linear sequence of instructions using variables to make things happen. Identify algorithms.	Give an example of a piece of hardware.	Explain the different data types.	Identify some of the goals of a given problem. Perform some testing on my work	Identify some of the risks of working online. Identify some of the ways of how to keep personal details safe when handling a phishing email or playing online games.
E2	Read a sequence of instructions and have limited success at predicting what the result will be. Identify a	Plan a simple sequence of instructions for something to happen using simple input	Name the four different types of hardware.	Understand the organisation of data in a Database Management software.	Perform a test on my work.	State some of the risks of working online. State some of the ways of how to keep my personal

	couple of areas that can be improved in the instructions.	and output statements. Identify algorithms.				details safe when I receive a spam message.
E1	Read a simple set sequence of instructions and state what it might do with some success. State an area that can be improved in the instructions.	Understand the problem. Identify an algorithm. State a goal of a given problem. Show some understanding that computer systems work step by step and can only do what we tell them.	Define the term hardware.	Explain the key terms such as field, record, and database.	State a goal of a given problem.	State a risk of working online. State a way of how to keep my personal details safe when playing online games. State a fact that the human element contributes to the risks of using computers. Realise that there is a benefit of accessing technology.