St Meryl School

Computing Vocabulary List for Year 5

Unit	Vocabulary	Meaning
5.1 Coding	Decomposition	Breaking down a task into manageable parts.
	Abstraction	Removing unnecessary details to focus on essential elements.
	Algorithm	A precise, step-by-step set of instructions used to solve a problem.
	Concatenation	Linking strings, variable values, and numbers in sequence.
	Debugging	Finding and fixing errors in a program.
	Efficient	Simplified code that runs faster and uses less processing memory.
	Event	An occurrence that triggers code execution, such as a key press.
	Function	A block of reusable code that can be called when needed.
	Nesting	Placing coding commands inside other commands.
	Output	Information produced by the computer (e.g., sound or visual display).
	Physical System	An object or situation modeled using code (e.g., traffic light simulation).
	Properties	Characteristics of an object, such as size and position.
	Sequence	Commands executed in a specific order in a program.
	Timer	A command to run code after a delay or at regular intervals.
	Variable	Named storage in memory that holds changing data.
5.2 Online Safety	Malware	Software designed to disrupt or gain unauthorized access to systems.
	Citation	Making reference to the original source of information or media.
	Collaborate	Working jointly on an activity or project.
	Communication	Exchanging information through methods like email or blogs.

Unit	Vocabulary	Meaning
	Copyright	Legal right to not copy or use work without the owner's permission.
	Creative Commons Licence	Allows legal sharing of creative works with proper credit.
	Encrypt	Converting data into a secret code for security.
	Identity Theft	Pretending to be another person online for fraud or data theft.
	PEGI Ratings	Age ratings for digital content indicating its suitability.
	Personal Information	Identifiable information about a person (e.g., name, address).
	Phishing	Fraudulent attempts to obtain personal information through deceptive messages.
	SMART Rules	Safe, Meet, Accept, Reliable, Tell: guidelines for staying safe online.
5.3 Spreadsheets	Row	Boxes running horizontally in a spreadsheet.
	Column	Boxes running vertically in a spreadsheet.
	Data	Information collected through observation, questions, or measurement.
	Formula	Mathematical instructions using symbols to calculate values.
	Computational Model	Computer-based simulation of a real-life scenario.
	Hypothesis	Concept or idea tested through research and experiments.
	Budget	An estimate of money available for spending on a project.
	Profit	Money earned after subtracting expenses.
5.4 Databases	Avatar	Digital representation of a person.
	Chart	Visual representation of data (e.g., pie chart).
	Database	Organized collection of data for easy searching and retrieval.
	Field	Category in a database used to input specific information.
	Record	Collection of related data in a database.
	Search	Finding specific information within a database.
	Sort	Organizing data by rules like alphabetical or numerical order.
	Statistics	Study and manipulation of data for analysis.

Unit	Vocabulary	Meaning
5.5 Game Creator	Quest	A mission or challenge within a game.
	Feedback	Information about how a game can be improved.
	Instructions	Detailed information about operating or doing something.
	Promotion	Publicizing a product to increase awareness or sales.
	Scene	A specific location in a game or story.
5.6 3D Modelling	CAD	Computer-Aided Design software for 3D object creation.
	Net	Unfolded, flat representation of a 3D object.
	Design Brief	Document outlining details for a design project.
	3D Printing	Creating physical objects layer by layer from a digital model.
5.7 Concept Maps	Concept Map	Visual tool for organizing and showing relationships between ideas.
	Node	Represents an idea or concept in a map.
	Connection	Links between nodes in a concept map.
5.8 Word Processing	Font	Text style and size.
	Formatting	Changing text appearance (e.g., font, color, spacing).
	Text Wrapping	Aligning text around images on a page.
	Hyperlink	Clickable link connecting to another location or website.
	Readability	How easy and pleasant a document is to read.
5.9 External Devices	Sensor	Device that detects changes in the environment (e.g., temperature).
	Emulator	Software mimicking another computer system.
	QR Code	Machine-readable code storing data accessible via a camera.
5.10 micro:bit	Accelerometer	Detects movement and orientation changes.
	Pins	Connection points for external devices on the micro:bit.
	Simulation	Program that mimics real-life scenarios for testing and predictions.
	Logic	Computer decision-making process based on true/false conditions.

Unit	Vocabulary	Meaning
	Gestures	Input from movements like tilting, shaking, or dropping the device.