

Computing CONCEPTS

Concepts are **broad ideas** that are **factual** & used to **define & explain**. They are universal & timeless. **These are the concepts that we teach through our Computing Curriculum:**

Subject	Concept	Explanation
Computing	Logic	Computational logic is the process of working step-by-step to understand a problem and develop a solution. It describes the decision-making process used in programming and writing algorithms.
	Abstraction	Abstraction is an important part of computer programming. In computing, abstraction is the technique used to arrange computer systems and hide the complexity of programs to make it more accessible to the everyday user.
	Machines	A computing machine is a device used to perform calculations and process data.
	Algorithms	An algorithm is a process or set of rules followed in calculations or other problem-solving operations, especially by a computer.
	Program	A computing program is a collection of instructions that performs a specific task when executed by a computer.
	Data	Data is any sequence of one or more symbols given meaning by specific acts of interpretation. Computer data is information processed or stored by a computer.