Subject :
 Computer Science

 Year Group:
 13

	June to July	September to October	October to Christmas	Christmas to February	February to Easter	Easter to Exam
Scheme title	The Internet	TCP/IP	Databases	Big Data	Functional programming	Revsion
Purpose of scheme	SOW being updated	SOW being updated	SOW being updated	SOW being updated	SOW being updated	SOW being updated
Knowledge in sequence	SOW being updated	SOW being updated	SOW being updated	SOW being updated	SOW being updated	SOW being updated
Skills	SOW being updated	SOW being updated	SOW being updated	SOW being updated	SOW being updated	SOW being updated
Key Words	vertex/node, edge/arc, undirected graph, directed graph, Tree, Dictionary, Hash Table. Packet, Router, Gateway, Firewall, Key, Virus, Trojan, Worm, DNS,	Traversal, Pre-Order, Post-Order, In-Order, Reverse Polish Notation, Linear Search, Binary Search, Bubble Sort, Merge Sort, Dijkstra's shortest path algorithm. TCP/IP, Protocol, FTP, HTTP, HTTPS, FTP, POP, SMTP, SSH, Subnet, DHCP, NAT, Port Forwarding, CRUD, JSON, XML.	Paradigm, Object Oriented Programming, class, object, instantiation, encapsulation, inheritance, aggregation, composition, polymorphism, overriding, Class Diagram, attribute, primary key, composite primary key, foreign key, SQL.	Regular Expression, Finite State Machine (FSM), Regular Language, Backus-Naur Form (BNF)/syntax diagrams, constant time, logarithmic time, linear time, polynomial time, exponential time, tractable, intractable, solvable, heuristic, Halting Problem, Turing Machine. Big Data, Volume, Velocity, Variety, Fact Based Model, Graph Schema.	Functional Programming, First Class Object, Function Application, Partial Function Application, Composite Function, Map, Filter, Fold, Reduce, List Processing, Head, Tail.	SOW being updated
End Point	SOW being updated	SOW being updated	SOW being updated	SOW being updated	SOW being updated	SOW being updated
Assessment method	SOW being updated	SOW being updated	SOW being updated	SOW being updated	SOW being updated	SOW being updated