Subject :	Computer Science	Year Group:		9
	June - October	**October- February**	**February - June**	
Scheme title	**Networks and Cyber Security**	**Python Programming**	**HTML_CSS**	
Purpose of scheme	A high-quality Computer Science education ensures all students: •are prepared for the future giving them opportunities to gain knowledge and develop skills for the ever changing digital world.	A high-quality Computer Science education ensures all students: •are prepared for the future giving them opportunities to gain knowledge and develop skills for the ever changing digital world.	A high-quality Computer Science education ensures all students: •are prepared for the future giving them opportunities to gain knowledge and develop skills for the ever changing digital world.	
Knowledge in sequence	Networks and Cyber Security •• Networks, the internet a+B10nd Cyber security threats. •• Social engineering and Malware •• Methods to detect and prevent cyber security threats •• Main types of computer net-work •• Benefits and risks of networking computers •• Common Network topologies •• Wired or Wireless networks (Ethernet and WiFi protocol) •• Network protocols (TCP, IP, HTTP(S),email protocol •• Network Security	Python Programming Input, Output and Variable Declaration Use, understand and know how the following statement types can be combined in programs: •• Print command •• Input command •• variable declaration •• constant declaration •• iteration •• selection	Website Development with HTML and CSS •• What is HTML and CSS? What are they used for? •• Create a single webpage and style it using CSS. •• Creating HTML tables. •• Styling HTML tables. •• Create and style unordered lists •• Create and style ordered lists •• Creating hyperlinks to link sepa-rate html files. •• Create a navigation bar by styl-ing a list. •• Use the navigation bar to com-plete a small website (Star Wars)	
Skills	Abstraction is about simplifying things identifying what's im-portant without worrying too much about detail. Information Technology (IT) Digital Literacy (DL)	Algorithmic Thinking is thinking like a computer in a sequence of instructions or a set of rules to get something done. Decomposition is the process of breaking down a task into smaller more manageable parts. Abstraction is about simplifying things identifying what's important without worrying too much about detail. Programming is the process of designing and writing a set of instructions for a computer in a language it can understand.	Abstraction is about simplifying things identifying what's im-portant without worrying too much about detail. Information Technology (IT) Digital Literacy (DL)	
Key Words	Network, Internet, Threat, Malware, Viruses, Hacker, Anti-Virus, Firewall, LAN, WAN, PAN, BUS, STAR, Wi-Fi, Protocol	Print, input, output, variables, constants, selection, sequence, iteration	HTML, CSS, webpage, website, tables, marquee, navigation, buttons, links, hyperlink	
End Point	Students are able to spot social engineering techniques and understand how to use technology safely, respectfully, responsibly and securely.	Students are able to solve a variety of computational problems and can successfully debug their code.	Students can create their own website with multiple interlinked pages. They are able to create tables, create a marquee, navigation bar and add hyperlinks.	
Assessment method	Final Written Assessment: Networks and Cyber Security Exam 50 marks Mid Unit Reflection Grid 25 marks	Final Written Assessment: Python Programming Exam 50 marks Mid Unit Reflection Grid 25 marks	Final Written Assessment: HTML and CSS Exam 50 marks Mid Unit Reflection Grid 25 marks	