

Curriculum Design 2026-27

IT							
		Term1		Term2		Term3	
		Term 1.1	Term 1.2	Term 2.1	Term 2.2	Term 3.1	Term 3.2
12	Theme	Fundamentals of IT	Fundamentals of IT	Fundamentals of IT	Fundamentals of IT	Fundamentals of IT	Fundamentals of IT
	Concept	Global Information	Global Information	Global Information	Global Information	Global Information	Global Information
	Skills Knowledge	Internet of Everything <u>Unit 1 – Fundamentals of IT</u> LO1 - computer hardware, computer components, types of computer systems, connectivity methods, communications hardware, hardware troubleshooting, units of measurement, number systems, number conversion <u>Unit 2 – Global Information</u> LO1 – holders of information, types of information storage media, types of information access and storage devices, the internet, WWW, information formats (advantages/disadvantages) <u>Unit 17 – Internet of Everything</u> LO1 – where IoE is used, applications of the use of IoE, the four pillars of the IoE people, how they connect, converting data into information to allow people to make decisions, data, information gathering devices	Internet of Everything <u>Unit 1 – Fundamentals of IT</u> LO1 - connectivity methods, communications hardware, hardware troubleshooting, units of measurement, number systems, number conversion <u>Unit 2 – Global Information</u> LO2 – information styles and their uses, information classification, quality of information, information management LO3 – data versus information, categories of information used by individuals, categories of information used by organisations, stages of data analysis, data analysis tools, information system structure. <u>Unit 17 – Internet of Everything</u> LO1 – processes, processing capabilities, things, connectivity, networked connections, security issues LO1 – global impacts of IoE	Internet of Everything <u>Unit 1 – Fundamentals of IT</u> LO2 – types of software, applications software, utility software, operating systems, communication methods, software troubleshooting, protocols, <u>Unit 2 – Global Information</u> LO4 - UK legislation and regulation relating to the storage and use of information, global information protection legislation and regulation, green IT LO5 - Information sources and data types, data flow diagrams <u>Unit 17 – Internet of Everything</u> LO2 - Developments (body/health, home/garden, city/neighbourhood, industry, environment) LO2 - Feasibility study	Internet of Everything <u>Unit 1 – Fundamentals of IT</u> LO3 – types of servers, virtualisation, networking characteristics, connectivity methods, business systems <u>Unit 2 – Global Information</u> LO6 - Principles of information security, risks, impacts, protection measures, physical protection, logical protection Unit 2 Pre-release – Exam preparation <u>Unit 17 – Internet of Everything</u> LO3 – Business proposal (target audience, processing required, data to be exchanged, things, networking requirements, devices to be used, security issues), Pitch presentation	Internet of Everything <u>Unit 1 – Fundamentals of IT</u> LO4 – communication skills, communication technology, personal attributes, ready for work, job roles, professional bodies, industry certification LO5 – ethical issues, operational issues, threats, physical security, digital security, Safe disposal of data and computer equipment <u>Unit 2 – Global Information</u> Unit 2 Pre-release – Exam preparation <u>Unit 17 – Internet of Everything</u> LO3 – feedback (stakeholders, written, verbal), stakeholder considerations, revision of proposal, possible success criteria.	Internet of Everything <u>Unit 17 – Internet of Everything</u> LO3 – feedback (stakeholders, written, verbal), stakeholder considerations, revision of proposal, possible success criteria.
	Wider Curriculum	Careers Spotlight - Cybersecurity					
13	Theme	Computer Networks	Computer Networks	Computer Networks	Computer Networks	Computer Networks	
	Concept	Mobile Technology	Mobile Technology	Mobile Technology	Mobile Technology	Mobile Technology	
		Smarter Planet	Smarter Planet	Smarter Planet	Smarter Planet	Smarter Planet	
		Software	Software	Software	Software	Software	
		IT Technical Support	IT Technical Support	IT Technical Support	IT Technical Support	IT Technical Support	

	Skills Knowledge	<u>Unit 4 - Networks</u> LO1 – Network interfaces, network components, network topologies, network protocols, networking models, IP Version <u>Unit 12 – Mobile Technology</u> LO1 - Devices, connectivity, mobile device operating systems, current and potential future uses <u>Unit 16 – Smarter Planet</u> LO1 - evolution of a Smarter Planet, Importance for a global society, impacts <u>Unit 19 – Computer Software</u> LO1 – Systems software, application software, reasons for installation or upgrade <u>Unit 20 – IT Technical Support</u> LO1 - IT Support roles, support process, client types, communicating advice,	<u>Unit 4 - Networks</u> LO1 – network addressing, network data units, network security, network virtualisation LO2 – network configuration network services, IP configuration, testing tools <u>Unit 12 – Mobile Technology</u> LO2 - uses of mobile technologies, ethical uses, <u>Unit 16 – Smarter Planet</u> LO1 - business sectors, sectors with applications of a Smarter Planet <u>Unit 19 – Computer Software</u> LO1 – carry out maintenance activities, types of installation <u>Unit 20 – IT Technical Support</u> LO2 – diagnostic techniques, types of faults	<u>Unit 4 - Networks</u> LO2 – network specification, network plan <u>Unit 12 – Mobile Technology</u> LO3 - investigating business requirements, planning, technology business plan <u>Unit 16 – Smarter Planet</u> LO2 - features for extension to Smarter Planet developments, feasibility study <u>Unit 19 – Computer Software</u> LO2 - Software installation/upgrade considerations, work plan <u>Unit 20 – IT Technical Support</u> LO2 – Documentation and record keeping, post fault testing	<u>Unit 4 - Networks</u> LO3 – solution proposal, performance benchmarking tools, <u>Unit 12 – Mobile Technology</u> LO3 - investigating business requirements, planning, technology business plan <u>Unit 16 – Smarter Planet</u> LO2 - concept proposal LO3 - present concept proposal <u>Unit 19 – Computer Software</u> LO3 – maintenance plan, maintenance activities <u>Unit 20 – IT Technical Support</u> LO3 – communication techniques, effectiveness of technical provision	<u>Unit 4 - Networks</u> LO3 – solution proposal, performance benchmarking tools, <u>Unit 12 – Mobile Technology</u> LO3 - investigating business requirements, planning, technology business plan <u>Unit 16 – Smarter Planet</u> LO2 - concept proposal LO3 - present concept proposal <u>Unit 19 – Computer Software</u> LO3 – maintenance plan, maintenance activities <u>Unit 20 – IT Technical Support</u> LO3 – communication techniques, effectiveness of technical provision	COMPLETION OF COURSE
	Wider Curriculum						