		Professional Stand		
Functions	Tier 1	Tier 2	Tier 3	Tier 4
Devices & Applications	Connect and check hardware devices e.g. connect external hdd to a PC, connect a Bluetooth keyboard to a tablet etc.	Install and test new hardware e.g. install new graphics card in a PC		Undertake advanced diagnosis procedures on hardware and software
	Set up a device for a stand alone user including basic account settings	Follow instructions to support the use of hardware e.g. installing drivers according to a manufacturers setup guide	Detect, diagnose and resolve most hardware device faults.	Understand and advise on the compatibility of hardwar with an OS.
	Install simple software e.g. install a browser on a PC or an app on a Tablet	Perform basic device repairs and upgrades e.g. replace a broken laptop keyboard	Follow instructions to install and upgrade client/server applications e.g. perform upgrade of the school MIS system	Understand and advise on the compatibility of applications with existing systems, based on user requirements and at an
	Connect devices to network based resources e.g. connect a PC to a networked printer	Identify and rectify basic hardware or software faults e.g. damaged laptop power supply replacement	Identify the need for software patches / upgrades and install them e.g. Roll out an OS service pack following monitoring manufacturers websites and completing research	
		install complete applications and configure basic options e.g. install office software and set spell checker language Complete required software maintenance e.g. Install a service pack, update an app etc.	Identify where an application may not be compatible with existing software	
Network Infrastructure and Network Based Systems	Perform basic install and check of devices connected to a domain or workgroup e.g. Connect a PC to the network and ensure it has all required access	e.g. patch new socket in comms cab, make a new cat5	Install and set a basic configuration for network hardware e.g. install and name a new managed switch including supplied VPN settings	Design and implement a network infrastructure to meet the organisations requirements
	Perform basic maintenance tasks for user accounts e.g. reset Active Directory password	Perform basic recovery checks on network systems e.g. perform a backup and restore test on a networked drive	Test and configure software for rolling out to clients e.g. create and configure a new MSI package and install in AD for deployment	Manage active network components including switches, routers and bridg
	Connect devices to a secured wireless network using a pre shared key or other authentication based on information provided	Select the appropriate wireless network SSID for a device based on user need and best security practices e.g. decide whether a device needs to connect to a guest	Configure and monitor a managed wireless network system including configuring different authentication types as appropriate	Identify appropraiate managed wireless network system and design configuration
Network User Management	Use simple tools to update locally shared information e.g. use a CMS system to update staff only pages on a	WLAN or increased access Follow instructions to configure network based devices e.g. install ODBC connection to a central server	Maintain server based hardware and software	Deploy additional servers as required and undertake server operating system upgrades
	Follow instructions to undertake basic network monitoring / checks and report results to the relevant person e.g. check available hdd space on a network drive and report the details to your line manager	Use tools to produce new resources on an online learning environment e.g. upload new subject pages using a CMS	Design and manage the structure of an online learning environment	Manage remote access to the organisation's network
		Configure relevant software to implement, add or alter resource alloation for users e.g. set a print quota for a user, allocate disk space etc. Use existing instruction maintain settings and permissions of user accounts	Determine print and disk space quotas that should be applied  Create shared folders, determining and setting appropriate access rights.	Manage access to the organisation online systems
			Monitor network connected system logs and identify when action is needed	

Service Support Procedures	Check compliance of new IT equipment and record / report appropriately	Plan for, implement and prepare users for an agreed change e.g. liase with a user to replace their laptop with a newer device	Design, plan and oversee a simple change across the organisation	Tailor specific services across the organisation, reporting on the expected impact and outcomes
Complete Changes to Systes	Update records of hardware and software locations after change e.g. update asset register when equipment is moved	Collate and report on testing of new hardware / software and sutability or potential issues	Assist in planning and implementing all aspects new software / hardware including testing, training and communication with users	hardware including testing,
The audit of all IT Assets	Maintain a software library and asset register including original copies of software and licenses	Manage and report on the Software Library and Asset Register to the relevant person, including highlighting potential issues or shortfalls	Manage and oversee all apsects of the IT sustainablity and IT disposal policies	Design an implement IT sustainability and IT disposal policies
Knowledge	Tier 1	Tier 2	Tier 3	Tier 4
Aware of the limitations and the appropriate use of hardware and OS (operating systems).	Confident user of common devices and operating systems  Confident user of common	Confident user of a majority of devices and operating systems  Confident user of the	Expert user of the majority of devices and operating systems	Expert user of all major devices and detailed knowledge of operating systems. Expert user of desktop and
	applications	majority of applications	Expert user of applications	client/server based applications, including a strong awareness of
		Awareness of client/server based applications e.g. MIS and Finance software	Confident user of client/server based applications.	
	Able to connect a computer to a network using simple instructions	Understand the basic principles of structured cabling and the practicalities of connecting network	Understand role and function of common network protocols and services such as DNS, DHCP and IP.	Specialist networking skills relating to managing active equipment, including wireless technology.
	Understand basic user account management	Recognise the function of basic network devices such as routers, switches and wireless access points		Understand firewalls, disk caches, filtering systems, access policies and usage reporting utilities present in
		Aware of the function of	Understand the allocation of	the server operating system.
		network file systems and of file and user administration	resources such as print and disk space quotas	
		utilities.	Understand the different ways that access rights can be applied	
Understand the importance of documentation	Able to identify when change needs to be recorded and what information should be recorded Able to understand the	Understands the importance of structured documentation to record configurations  Aware of the different issues	Understands the importance of documentation for troubleshooting, planning, recovery and insurance	
	different levels of change and their significance	around asset disposal		

	Functions	Tier 1	Tier 2	Tier 3	Tier 4
SS	Health & Safety	Carry out basic safety checks	Ensure basic safety checks are		Actively monitor organisation
Leading Support Services	Teath & Salety	and escalate problems as required. Follow relevant H&S procedures and raise awareness among staff, pupils and other users.	carried out and escalate problems as required. Follow relevant H&S procedures and raise awareness among staff, pupils and other users.	modifications to relevant H&S procedures. Undertake a risk assessment for every activity.  Advise other staff of H&S aspects of proposed developments.	
Lc	Budget & People Management	process for purchasing and recording expenditure.  Purchase consumables	Track spending against a budget for items such as consumables and spares  Purchase lower value items	Support the full range of financial planning for ICT, including purchase of larger items, and help to estimate future budget requirements. Have some supervisory	Develop ICT financial management processes with reference to the organisations procedures.  Closely involved in writing
		following organisation procedures. Work as part of a team.	following organisation procedures.  Adopt flexible working practices.	responsibilities for junior staff.	organisation ICT procurement policy. Management responsibilities for other ICT support staff.
	Knowledge	Tier 1	Tier 2	Tier 3	Tier 4
		Know both general and specific ICT H&S issues relating to work, both for self and all potential users.	Know both general and specific ICT H&S issues relating to work, both for self and all potential users.	Detailed knowledge of both general and specific ICT H&S issues relating to work, both for self and all potential	Detailed knowledge of both general and specific ICT H&S issues relating to work, both for self and all potential
	Functions	Tier 1	Tier 2	Tier 3	Tier 4
e & Security	Minimise the impact of a disaster	Complete tasks related to the organisation back up and recovery / disaster recovery documents	Record any identified risks to system integrity and report them along with potential remedies	Identify and consider risks to systems and develop appropriate procedures to either irradicate or recover from them	Maintain and regularly review whole-organisation resiliance and disaster recovery plans
Continuity, Maintenance & Security		Follow instructions to implement organisation backup and virus protection procedures.	Follow a scheudle of extended maintenance procedures, highlighting issues to appropriate person Implement and suggest improvements to organisation backup, virus protection and security	Develop a schedule of maintenance  Identify failing systems and suggest solutions.	Implement appropriate security systems to protect hardware, data and confidential information.
Con			protection and security	Responsible for implementing backup and virus protection policies. Ensure whole-organisation resiliance, disaster recovery plans and data protection plans are implemented	
	Knowledge	Tier 1	Tier 2	Tier 3	Tier 4
		Understand the need for, and scope of the organisastions disaster recovery plans	aspects of risk across the wider organisation	Understand how service continuity means more than immediate 100% availability, and how alternatives to key systems can allow the organisation to continue to function at a basic level.	Understand the importance of contingency planning at different levels for elements of the organisation's business
		understand the different ways that a wireless network can be secured Understand the need for, and scope of the organisastions data protection plans	Understand which type of wireless network security to use in any situation Understand different methods and techniques for backup and data security	Understand how to deploy different types of wireless security	

	Franklana	Tiend	Tion 3	Tion 2	Time 4
.S	Functions Individual Skills	Tier 1 Attend relevant courses /	Tier 2 Attend relevant courses /	Tier 3 Actively seek to broaden	Tier 4 Actively seek to maintain and
ont		undertake online training to	undertake online training to	knowledge and skills,	extend expertise in
Behaviours		improve skills and knowledge		including technical, management and other areas	appropriate areas.
ā				relevant to the organisation.	
	Communication	Offer support staff and pupils based on your own	Advise and train individual staff and pupils.	Run training sessions for groups of staff	Advise senior staff and governors on changes to
		knowledge and skills Have appropriate	Have appropriate	Negotiate with suppliers and	policy or new potential  Negotiate with suppliers and
		communications with suppliers	communications with suppliers	maintain effective relationships with them.	maintain effective relationships with them.
		Produce brief guidance and support sheets for staff and	Produce detailed guidance and support sheets for staff	Document and design current policies and practice	
		pupils Network with colleagues	and pupils Network with colleagues	Network with colleagues	Network with colleagues
		doing similar roles in other	doing similar roles in other	doing similar roles in other	doing similar roles in other
	Educational Awareness	similar organisations Regularly attend staff	similar organisations Read organisation policy	similar organisations Liaise with senior staff about	similar organisations Liaise with senior staff about
	Luucational Awareness	briefings and meetings to	documents, schemes of work	upcoming challenges and	upcoming challenges and
		understand how ICT is used	and curriculum plans.	strategies for the	strategies for the
		across the organisation		organisation	organisation and offer advice and solutions to these
				Read published materials about the educational use of	Regularly access key ICT education web sites and
				ICT.	publications to keep abreast of changes and
	Knowledge	Tier 1	Tier 2	Tier 3	Tier 4
		Able to use a word processing	Able to use a range of office	Can create a database that	Develop expertise in specific
		package.	applications.	utilises web forms for accessing data and updating.	user areas to provide advice and support.
		Able to use email and browse the web.	Understand different types of email uses and systems	macros to automate tasks	Create complex code to automate and improve
					accuracy of tasks
		Understand basic file management.	Can produce a simple web page.	Understand how to move data between different	Understand how to move data between different
		a.agee.tu	P486.	applications using	applications using
		Able to download and save	Can perform simple image	appropriate file formats (e.g Understand the relationship	appropriate file formats (e.g Understand the relationship
		files from the Internet.	manipulation.	·	between all the different data
				systems in school and utilise	systems in school and utilise
		Able to undertake basic	Able to download and save	interoperability between Good level of written and	interoperability between Good level of written and
		software / application	files from the Internet.		spoken English appropriate to
		installations	Candleval of well-the and	the context and audience.	the context and audience
		Can use simple peripherals.	Good level of written and spoken English appropriate to	Detailed knowledge of organisation structure.	Aware of the different agencies that govern or
			the context and audience.	including staffing roles and responsibilities.	advise the organisation
		Awareness of computer	Appreciation of the	Understand how ICT can	Aware of different levels of
		viruses and other security risks	curriculum, including a general understanding of the	enhance the teaching and learning in, and management	capability in each level of NC
		11313	requirements for ICT in the schools curriculum.	of schools.	infrastructure.
		Good level of written and	Aware of relevant		
		spoken English appropriate to the context and audience.	organisation policies.		
		Aware of basic organisation	An understanding of the use,		Understand how the overall
		structure, year groups and staffing structure.	functionality and limitations of differnet platforms		technical requirements of the organisation should support
		Statistics	including desktop and mobile devices		the use of ICT in the curriculum and management
					of the organisation.
		Aware of different levels of	Aware of different levels of		
		ability and confidence of staff and pupils in using ICT.	ability and confidence of staff and pupils in using ICT.		
		An understanding of the use,	Aware of potential and actual		
		functionality and limitations	uses of ICT in schools.		
		of differnet platforms			
		including desktop and mobile Aware of potential and actual			
		uses of ICT in schools.			
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