



Dinnington High School

Current ICT Infrastructure Overview

Dinnington High School has always been at the forefront of technology and will continue to be one of the leading schools in the area in respect of its ICT infrastructure.

The current infrastructure is based on Fibre technology running at 10gbps along the server to switch backbone and 1gbps to remote switchgear around the school. We currently have in excess of forty L2/L3 managed gigabit switches feeding information to and from all areas of the school including a remote site which benefits from Fast Ethernet Extension technology to link into the current school infrastructure.

We also employ virtual technology using the latest VMware vSphere software and DELL Equallogic iSCSI SAN's. We currently have over 30 operational virtual servers along with several virtual test servers and fourteen traditional servers which will gradually be phased out and moved to the more adaptable virtual platform.

The students and staff benefit from the latest DELL computers including the new Optiplex 3020 models with Intel i3 processors. We have in the region of eight hundred and fifty workstations in school which encompasses both curriculum and administrative functions. These all use Windows 7 Enterprise operating system. There are some fifty laptops, eighty Interactive Smartboards, ninety printers (both networked and standalone) and digital signage systems controlling various display screens around the school. We also have around 80 tablet devices using both IOS and Windows 8.1/10 with plans to expand the number of these devices in the coming months.

We also have a site-wide wireless network infrastructure which uses the latest Ubiquiti Unifi technology including AC-AP-PRO and AP-AC-OUTDOOR model access points and cloud based management controllers for administration.

Deployment and management of the network is controlled by a CM12 installation (System Centre Configuration Manager 2012) and we also have Apple Mac integration with the domain by using an Apple X-Serve server to integrate the two differing technologies.

We take advantage of Microsoft's excellent education offers by using Office 365 and cloud based sharepoint for the school intranet. These technologies incorporate with Yammer, a tool for collaborative learning and sharing which is also used for communication around the school.

Dinnington High School

Part of the Learner Engagement Achievement Partnership Multi Academy Trust

Job Description

<u>Post title:</u>	Senior ICT Systems Technician
<u>Grade:</u>	Band F SCP 22-25 (£20,456 - £22,434)
<u>Hours worked:</u>	37 hours per week – Full time
<u>Responsible to:</u>	ICT Systems Manager
<u>Place of employment:</u>	Secondary School with Sixth Form (Pupils Ages 11 – 18 years) Dinnington High School (L.E.A.P)
<u>Proposed Start Date:</u>	From 3 rd January 2017

General Purpose of Post

Under the direction of the ICT Systems Manager, to undertake a variety of work in classrooms and offices; to prepare and maintain materials, equipment and networks.

The post holder will be responsible for all aspects of the school's ICT service, being the key contact for staff and student's requiring support. The post holder will also play a key role in ensuring that the school's ICT services remain up-to-date and fit for purpose.

This description is not intended to be exhaustive and is a general outline of the typical duties and responsibilities expected to be carried out, whilst accepting that these may change at the discretion of the Trust.

Main Duties

- Leading on the development of the school's ICT services, such as planning for and implementing the deployment of new technologies, operating systems and servers, under the direction of the ICT System Manager.
- Deputising in the absence of the ICT Systems Manager.
- Ensuring that all computer equipment in school and all work done by the ICT Support Team conforms to current health and safety regulations.
- Locating faults in and making repairs to equipment, including keyboards, printers, connecting cables, computers, switches, servers and portable devices.
- Installing, maintaining & testing computer software including classroom management utility and school information management systems and also ensuring that the software is fully licensed.
- Assisting the ICT Systems Manager in the maintenance of the school website, Intranet, Internet, Virtual Learning Environment and e-mail facilities.
- Maintaining the school backup and recovery system including checking logs, changing storage media and also recovering work for students/staff from the backup system.
- Assisting teaching and associate professional staff in the use of ICT resources.

- Checking deliveries of equipment.
- Transporting computer equipment around the school & remote sub-sites as required.
- Installing and updating operating systems using latest managed deployment methods.
- Re-configuring computers and seeking technical information from outside agencies as required by the ICT Systems Manager.
- Cleaning and general maintenance of computers in IT suites, offices and classrooms on a rota basis along with essential upkeep of the IT hardware inventory and asset marking equipment.
- Maintaining supplies of computer consumables throughout the school as required by the ICT Systems Manager, Teaching and Admin staff including ordering when necessary.
- Carrying out end-of-day procedures including security, power saving and safety requirements.
- Providing technical support in classrooms when necessary, especially when equipment or software faults need solving.
- Ensuring that ICT access by students is monitored as directed to maintain child protection and school policies as far as possible.
- Supervision including the allocation/delegation of workloads and ongoing development and training of the Assistant ICT Technician
- Leading on configuration, maintenance and ongoing planning for the Apple MAC computers in school.

General

- Any other tasks, as directed by the Co-Headteachers of the school, which are commensurate with the post and which may be required from time to time.
- There may be a requirement to travel between the main school site and our other sites which are located approximately 1 mile and 9 miles from Doe Quarry Lane, Dinnington.

**PERSON SPECIFICATION
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JOB TITLE:

ICT Systems Technician

Attributes	Essential	Desirable
Education/Qualifications	Qualifications to Level 3 (A Level), including a minimum of grade C GCSE English & Maths (or equivalent) IT qualification/certification (Microsoft, Cisco) or equivalent experience	
Experience	A high level of relevant IT experience E.G. servers & network infrastructure, deployment tools, internet filtering, firewalls, Remote Access Systems and scripting Experience of LAN/MAN networks and PC maintenance & repair	Previous experience of Network Management Experience with and/or knowledge of MIS systems such as SIMS
Skills/Knowledge/Aptitude	Excellent Knowledge of Microsoft Windows 7 Operating Systems & Apple Mac Operating Systems High level of knowledge of Microsoft Windows Server 2003/2008/2012 Operating Systems High level of knowledge of virtualisation technologies including Microsoft's Hyper-V and VMware Good analytical and problem solving skills High standard of administrative skills	Previous experience of using ICT in an educational setting Evidence of further professional development in the ICT field Understanding of the use of ICT in a classroom setting Ability to provide training and support on ICT packages Project management experience, ability to lead on ICT developments
Motivation	Ability to work without supervision and able to prioritise and organise own workload and supervise Assistant ICT Technician along with their continued development and training	Ability to deputise in the absence of the ICT Systems Manager

Motivation (Cont.)	Willingness to undertake further training and embracing continued professional development Willingness to investigate new technologies and look at applying these to develop the school's ICT provision	
Physical	Ability to lift/move computer equipment Ability to reach inaccessible areas/locations for installation and maintenance of equipment	
Working with Children	Understanding of importance of maintaining a professional relationship with students An appropriate level of understanding of safeguarding and child protection	Experience of working in a school environment / with 11 – 18 year olds
Personal Qualities	Ability to work collaboratively with colleagues throughout the school Ability to communicate effectively with colleagues, parents and outside agencies (using non-technical language etc) and ability to show empathy towards pupils	