

Appleton Academy ICT Infrastructure Summary

There are approximately 1,000 student users and 200 staff users at Appleton Academy currently. Each user has an AD account, mailbox, roaming profile and home drive. The network consists of five VMware ESxi servers, which host 17 VMs. There are two SANs connected using SCSI attached storage.

Additionally, there are five physical servers supporting:

- Email – Microsoft Exchange 2010 SP3
- VMware V-center backup server (running Backup Exec 2010)
- Video on Demand server and Securus

All Microsoft servers run server 2008 R2 SP1 and all VMware ESxi servers run version 5.0.

The network is split into 17 VLANs using HP Procurve hardware. There are five fibre-fed hub rooms around the Academy to provide network access back to the core switch.

The Academy runs a Mitel VOIP telephone system, which hosts approximately 60 handsets. The internet is provided and managed by Bradford Learning Network, with Smoothwall firewall provision. This internet access is fibre-based and is terminated on a Cisco router.

The Academy runs approximately:

- 580 x Windows 7 laptops
- 50 x Windows 7 desktops
- 56 x Apple Macs

There are also 60 Ipad and 150 Ipad Touch devices which are used across the school as teaching resources.

All classrooms are equipped with either a Smart Board or a Promethean Board for the teachers to deliver lessons through their laptops.

The Academy has a managed print solution facilitated by Equitrac V4.0 software on six MFDs spread throughout the building, with a further two high-volume MFDs situated in the Administration Office. Appleton Academy uses biometrics to identify pupils and staff on the MFDs and on our NRS Trust-e cashless vending system. Our data is held on Capita's SIMS information management system and our financial management system is Resource Financials from Civica.

In addition, the Academy uses a number of other proprietary software systems to manage a variety of functions across both teaching and administration. Some departments use electronic document management and this is being rolled out across the Academy over the coming 12 months. The system in use is mStore, from Arena.

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