

The Champion School gets new WiFi for main hall, playing field coverage and new fibre link to Sports Centre

The Champion School



“The Champion School is a Catholic boys' comprehensive school and mixed sixth form located in Hornchurch, in the London Borough of Havering. The school has been awarded Specialist Science College status.

It was founded in September 1962 as a grammar school for Catholic boys from the ages of 11-16. Pupils who attend the school have to be Catholic and the school has a strong Catholic ethos. The school also has an attached Sixth Form which admits a number of girls. The pupils that attend the Sixth Form do not have to be Catholic but have to respect the Catholic ethos that the school represents.

The school received a great Ofsted report early in 2007 which said the school was good. Out of the 26 areas Ofsted looked at, 15 were outstanding and 10 were good and the other needed improvement. They also said that the school's Sixth Form was outstanding.”

Situation

Jonathan Reynolds, IT Manager at The Champion School approached us to fulfil the following requirements for his network:

Install an extension to the school's wireless network in the main school hall.

Install a wireless access point into the school's Drama studio.

Install an extension of the school's wireless to cover certain areas of the playing fields and hockey pitch.

Install a new Fibre optic network link between the Sixth Form block and the new Sports Centre.

Solution

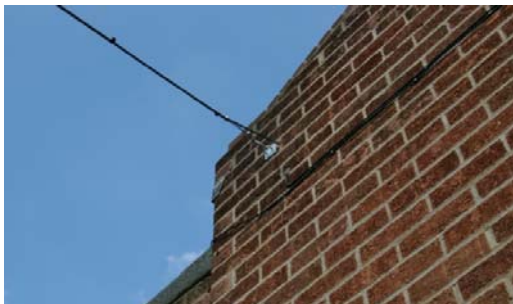


We have installed 3 new wireless access points into the main hall including 3 Cat5e network sockets at high level. We chose to install 3com dual band access points to offer the best performance and also for their aesthetic qualities. The 3com access points are very unobtrusive to the school's decor and go largely unnoticed. These are linked back to a new 8 port rack mount Power over Ethernet Switch in the room next door.

Next our engineers have installed an additional access point into the drama studio. The new network point runs back to a network cabinet nearby where was also installed a new PoE switch.



Moving onto the outdoor coverage, we chose to install 3 Netgear wireless access points mounted to the inside of the school with high-gain external antennas attached on the outside walls of the school. These again are powered via PoE switches; two were already in place at the school.



Lastly, we have installed a new 8 core fibre optic network link between the Sixth Form block and the new Sports Centre using a catenary wire attached between the two buildings. This was installed into an existing fibre patch panel in the Sixth Form block and a new LC patch panel in the Sports Centre. The 8 fibre optic cores have been terminated by our expert team of fibre installers and tested to meet the highest laser power transmission standards.

Benefits

The school can now utilise laptops and netbooks in the main hall and drama studio possibly allowing a teacher to access or log information onto the network during lessons held in the hall or drama studio.

Teachers and students can now use WiFi enabled devices on the hockey pitch and playing fields, possibly allowing PE teachers to take electronic registration outside or for teachers and students to log information for sports science studies and projects.

Lastly, PE staff can keep up to date with their paperwork or display sports video content in the Sports Centre after being linked to the rest of the school through the new fibre optic network link.



For more information

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