

## Redbridge Teacher's Centre enables mobile computing with D-Link Unified WiFi

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### Redbridge Teacher's Centre

*"The Teachers' Centre is based in central Ilford and housed in the former Dane School. The Centre has a responsibility to provide accommodation to support the professional development of teachers and other support staff in Redbridge.*

*It also offers the facilities to other service areas of the Council, local community groups and external organisations for meetings, conferences, and training sessions."*



### Situation

Gary Jelks, IT Manager at Redbridge Teacher's Centre was looking for a reliable wireless solution to cover most of the Teacher's Centre. This included an ICT Suite, several meeting rooms, 2 conference rooms and a dining area across 2 floors.

D-Link were introduced to Gary and in association with D-Link, Total Solution were chosen to install the proposed solution.

The conference rooms were the primary challenge as they can potentially have seating for between 50 and 100 people, all of which may want or need to use the new wireless network, as demonstrated at the Redbridge Borough's ICT conferences held at the Centre.

The school is built with very thick walls and so would need a high concentration of wireless access points as the signal would find it difficult to penetrate into other rooms.

### Solution

D-Link and Total Solution's answer to these challenges started with the selection of the D-Link Unified Wireless Switch (DWS-3024) which allows management of all wireless access points from one central location.



Next we selected to install 19 DWL-3500AP wireless access points around the building. 4 were chosen for larger classrooms and conference rooms and 2 access points were installed in smaller meeting rooms.



On the first floor, all of the access points are powered via the DWS-3024 Unified Wireless Switch's PoE capability. On the ground floor where the dining/kitchen areas are located, the access points are powered by an 8 port PoE switch.

During the 2009 ICT conference many comments were made as to how well the system coped with the stresses and strains put upon it by visitors to the Centre.

### *Benefits*

Staff and visitors are no longer tied to working near traditional hard wired network sockets and can now roam around the centre in confidence that they will stay connected to the Centre's network.

The new WiFi network is ideal for the large number of visitors using the network during conferences and meetings as they can now bring information up instantly during meetings through the Centre's internet connection.

### *For more information*

For more information about Total Solution products and services, please call the Total Solution sales team on 0800 2985085.

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