

The new 'Golden Lane Campus' is one of London's best teaching and learning environments, comprising of the children's centre, a 420-place primary school and the primary department of a special school for 30 pupils with physical impairments.

Project Scope Overview	
Customer:	Golden Lane School
Installer:	Darke and Taylor Ltd
Site Location:	Barbican, London
Requirements:	<ul style="list-style-type: none"> • 60 10/100 Ethernet and telecommunication outlets • 24 core 50/125 OM3 Multi-mode fibre optic cable between the two communications cabinets • Compact Euro modules colour matched to MK faceplates • Cable infrastructure supporting 28 Wireless Access Points
Equipment:	Category 5E



Project Brief

Pupils will benefit from excellent facilities and new equipment. The campus offers sensory therapy, a new sports hall, crèche and a café. This modern, inclusive school that integrates pupils with special needs, as well as being a resource available for the whole community required a flexible communications system that would enhance services for each department across three floors. Dark and Taylor Ltd were contracted by Willmott Dixon (the main contractor) to supply and install the electrical, telecoms, data and wireless systems throughout the building. The project began in July 2007 and was completed in April 2008.

Steve Hancock Project Manager for Darke and Taylor commented on the design of the network, "We were delighted to get this project as it is a real showcase of how schools can be built.

The data and telecoms solution was de-signed around two communications rooms on the ground floor. 279 Data and Telecoms outlets supporting the administration and teaching staff in the school are linked to cabinet A along with the 10 pair voice link into the building. A 50 pair voice link and 24 core OM3 50/125 fibre links to Cabinet B which supports a further 181 users and the wireless access points. Connectix Category 5E Low Smoke Zero Halogen cable was used throughout the building; guaranteeing Gigabit Ethernet to each workspace. This is over-laid with 28 Procure access points providing wireless network coverage throughout the campus. The two communications cabinets were loaded with Connectix 2020 patch panels with cable management and matching Category 5E Compact Euro Modules. It looks great and although we have had to work hard in these last few weeks to schedule in a couple of last minute changes the project has been a real success."



