



EVAPORATIVE COOLING FOR NORTH NOTTINGHAM COLLEGE

At North Nottingham College the three ground floor classrooms of the main annexe suffered from severe overheating due to the south facing windows.

We installed a single EcoCooling evaporative cooler with an acoustic silencer to feed into all three classrooms through the top windows. The remaining windows allowed the warm air to be extracted from the areas.



Each area has its own damper and pull chain, the staff and pupils simply pull the chain down to start the flow of fresh cool air. This drastically reduced the temperatures and improved the air quality in the area, the CO2 level were reduced resulting in more alert students in the afternoon lessons.

The increased air change rate through the classrooms also resulted in a reduction in unpleasant stale odours throughout the areas.

The use of the silencer on the roof next to the EcoCooler means the system is virtually silent.

The installation cost was less than half the cost of a comparable air conditioning system and the running costs are virtually nothing, the system consumes 1.2KW to keep all three areas cool.



CELSIUS DESIGN LIMITED Tel 01926 887470 Fax 01926 335485
www.celsiusdesign.co.uk email: info@celsiusdesign.co.uk