



Description

- ◆ A £3m design of a new six-classroom single storey extension for Begbrook Primary Academy, a large suburban school with 493 children aged 3 – 11 on roll
- ◆ The project incorporates additional multi use spaces that can be utilised as additional classrooms

Involvement

- ◆ Detailed design and thermal modelling of the extension
- ◆ The project incorporates PV panels to achieve 20% reduction of CO2 emissions from renewable energy
- ◆ The classrooms are naturally ventilated utilising manual controls with high and low level cross ventilation
- ◆ Underfloor heating, from a new gas fired boiler, serves the building
- ◆ The building benefits from low energy LED and fluorescent lighting.
- ◆ The lighting system is enhanced with automatic controls, to turn lights off in unoccupied areas. The system previews and provides automatic dimming to spaces with high levels of natural daylight

Benefits Delivered

- ◆ The project achieved BREEAM very Good
- ◆ Project completed on time and within the allocated budget

A new £3m six classroom extension to Bristol's Begbrook Primary Academy