

# SHIRELAND ACADEMY EDUCATION

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Shireland Collegiate Academy in the West Midlands, established in 1907, is an 'Outstanding' Ofsted-rated school. Recognised as a national exemplar by the Department for Education, the school's success is a source of pride in the local community. Following a successful first phase of flat roofing refurbishment, Central carried out further roofing renovation at the school.

**LOCATION**  
**BIRMINGHAM**

**CLIENT**  
**ATKINSRÉALIS**

**TIMESCALE**  
**7 MONTHS**

**BUDGET**  
**£600K**

**SIZE**  
**1,360m<sup>2</sup>**



## Approach

With the building being constructed 117 years ago, many original slates were broken, lifted and split. However, a survey found that the structure of the roof was in good condition. In total, 10 steeply pitched roofs of varying shapes were refurbished. Central also refurbished the bell tower.

### Works included;

- Original slates were removed and carefully lowered to the ground using a hoist
- **Stripping existing slates to the rafters and insulating loft space**
- Installing new valleys, drainage and ventilation systems
- **Felt and batten installation for securing and spacing roof materials**
- Installing breathable membrane
- **Installing new BMI Redland Cambrian Slate**
- Intricate lead flashing details against upstand

## Solutions

Our top priority was one-on-one communication with the school administration staff. Each day, information was shared with the school, keeping them safe and informed of our works.

Very wet spells of weather affected the programme, however, our delivery team were flexible and worked over many weekends to achieve the target planned completion dates.

Cracked cast guttering had to be handled and removed very carefully due to fragility - scaffolding was designed to accommodate this.

