

01. INTRODUCTION

Hartshill School is underpinned by an ethos of 'Be Kind, Work Hard and Achieve'. The school is passionate about delivering a rigorous, rich curriculum that inspires students to be confident and ambitious.

Hartshill has been selected as one of the first 50 schools in England to receive funding under the Government's School Rebuilding Programme (SRP). The SRP will undertake major rebuilding and refurbishment projects, with investment targeted at school and sixth form college buildings in the worst condition across England.

Hartshill's existing buildings, whilst utilised successfully to date, provide various challenges in movement and the safe and efficient delivery of the curriculum. The new proposals embrace and promote the school's core values, whilst providing a much-needed modern school building and improvements to the surrounding campus.

The objective is to replace the existing secondary school, part of the Midland Academies Trust with a modern, efficient three-storey school building and surrounding campus that will provide a positive establishment, which can become the school of choice in the local area.

The new building is designed to inspire and to raise aspiration for all pupils and as such will be accessible to everyone. An improved set of community facilities, such as changing facilities and hall space, will be accessible to members of the public outside of school operating hours. The existing sports hall will also remain on campus.



SITE PHOTOGRAPHS



Existing main entrance



Existing teaching block



Existing sports block to be retained

It's important that the new Hartshill School Campus works for the whole community.

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02. THE CAMPUS

KEY FEATURES OF EXTERNAL DESIGN

- Through removal of the existing school buildings, it has been possible to redefine the campus as a whole. Not only replacing the school building itself, but re-imagining the external environment.
- The new frontage to Church Road will be enhanced with additional tree planting between the road and the new building.
- Pedestrian and vehicular access has been separated at the school gates to provide a safe, open approach to the entrance.
- Existing car parking numbers have been retained, whilst relocating accessible parking bays closer to the main school entrance and adding electric vehicle charging points.
- External areas provide open views to proposed playing fields accommodating a football pitch (U11/12) and existing woodland tree canopies.
- Outdoor canopies supporting solar panels provide shelter and outdoor learning opportunities for students.
- The school encourages cycling as sustainable mode of transport. The new cycle shelters are provided centrally, along the main pedestrian entrance path, benefiting from passive supervision.
- Cycle parking spaces will be provided near the entrance. The cycle compound will be screened by a beech hedge to avoid impact to the school frontage along Church Road.



KEY FEATURES

- Site Boundary
- Extent of Works
- Proposed Building
- Existing Building to be demolished
- Existing Tree
- Planting**
 - Proposed Tree Refer to Planting Plan
 - Hedge Planting Refer to Planting Plan
 - Grass Seed Refer to Planting Plan
 - Amenity Planting Refer to Planting Plan
 - Meadow Planting/Rich Species and Wildflower Refer to Planting Plan
 - Swale Meadow Planting Refer to Planting Plan
- Paving**
 - Pedestrian Macadam To Engineer's Specification
 - Vehicular Macadam To Engineer's Specification
 - Existing MUGA Retained
- Fencing and Structures**
 - PV Canopy
 - Timber Knee Rail Seating
 - Fencing Refer to Fencing General Arrangement for details
 - Proposed Gates Refer to Fencing General Arrangement for details



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GROUND FLOOR

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Each floor of the building has been designed closely with the school to ensure their specific teaching and operational needs are met, but also the character and values of the school are fully expressed.

The ground floor has been designed to welcome visitors and students alike, though the provision of a dual entrance.

The entrances direct all entrants into the heart of the building, placing them in the triple height, naturally lit, dining area, with good access to the external dining spaces and the main hall.

The administration centre is located close by to provide supervision and welfare support to the students.

The ground floor is also home to the activity studio and changing areas, with good connections to the sport hall.

It also houses new music facilities with dedicated practice rooms, food technology, resistant materials and graphic design.



FIRST FLOOR

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The first floor contains a large number of teaching spaces.

These rooms include the Languages department, Humanities and Art, complete with Dark Room and Kiln.

To support these spaces, staff facilities are provided throughout, providing superb access for teaching staff and passive supervision of the building as a whole.



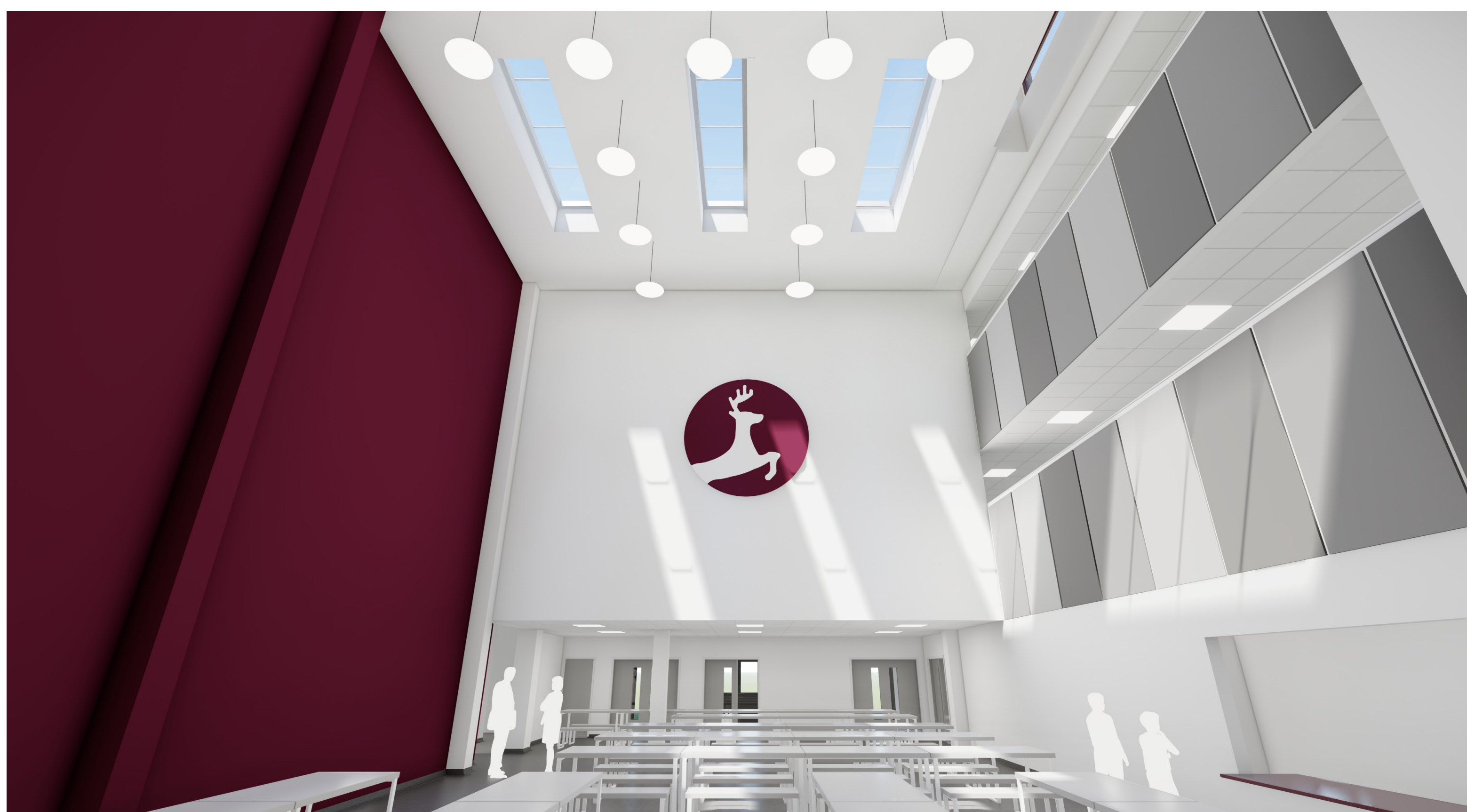
SECOND FLOOR

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This floor also provides a large number of teaching facilities for the school.

The Maths and Science departments are located on this floor, complete with a new science preparation room.

Groups rooms are located throughout to provide additional support spaces and this floor has a dedicated cluster to provide Special Education Support to pupils.



DINING AREA WITH LINKS TO EXTERNAL DINING

DINING

The main dining area is located on the ground floor, providing a focal point for school life.

Upon entering the building, pupils move through this congregation space and can then be directed to the relevant parts of the school, or flow towards the external play areas as required.

The dining space has been designed to provide a bright, naturally lit and ventilated space, with a focus on school identity and acoustic comfort.



TECHNOLOGY - RESISTANT MATERIALS

TECHNOLOGY

The ground floor provides spaces for all of the key technology rooms, including food technology, graphic design and resistant materials.

The new spaces have been designed to maximise natural daylight and ventilation and provide a clean and robust setting for technology work.

Food technology is provided with dedicated preparation rooms to support the teaching areas and resistant materials will have a dedicated materials preparation room.



CLASSROOM - SCIENCE

SCIENCE

The science department is located on the second floor with 8no. new science classrooms.

These classrooms will be fitted out to suit the most current science curriculum and teaching needs.

A large science preparation room is also located on the second floor to maximise safety and productive use of classroom time and space.

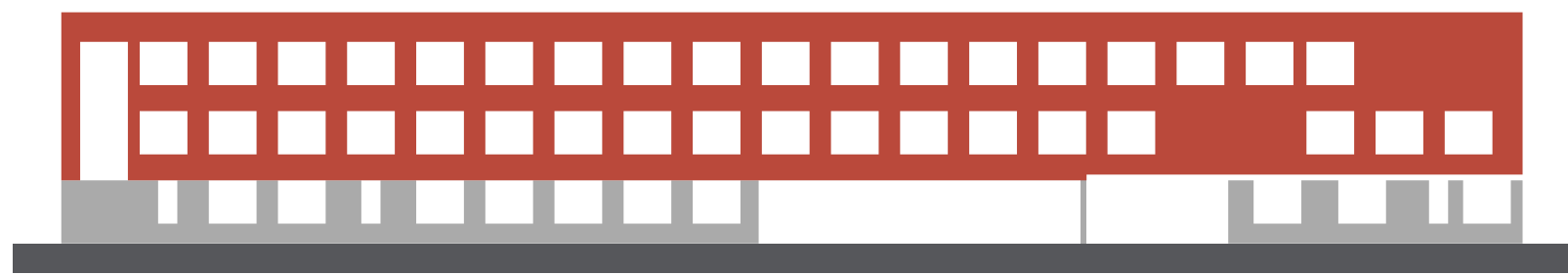
05. EXTERNAL DESIGN



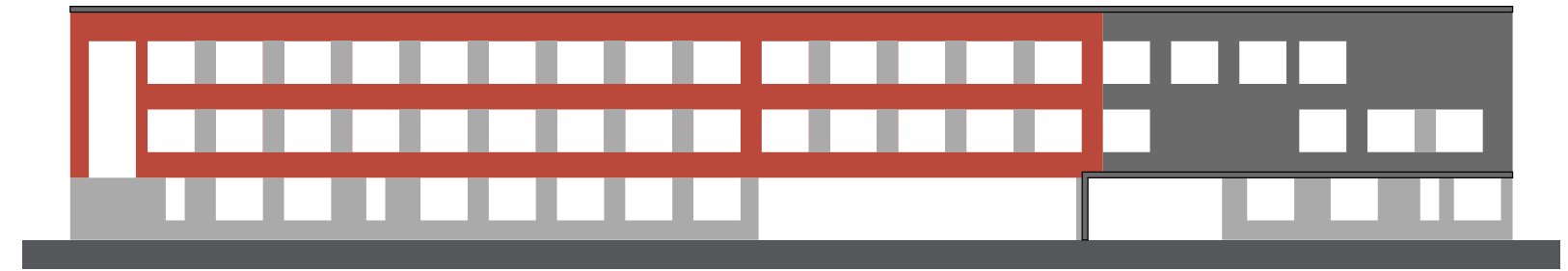
1. Establishing three-storey building, categorising and positioning spaces to ensure efficiency and success for pupils, staff and the public.



2. Breaking down the mass with a variance of 'Red brick' to match local context and an accent brick to compliment, thus also providing an impression of reducing the building height.



3. Defining the openings required for a comfortable, efficient building, both developing a pattern aesthetically and also suiting the building's mechanical / ventilation requirements.



4. Addition of accent cladding over key building entrance, defining a clear approach, additional brickwork placed between openings to further add to the visual effect of reducing the building height.

DEVELOPMENT

PROPOSED ELEVATIONS



Indicative - North West Elevation - Front Entrance



Indicative - South East Elevation



Indicative - North East Elevation



Indicative - South West Elevation

KEY FEATURES



01 Predominantly brick facade, providing robust quality with referencing to context.

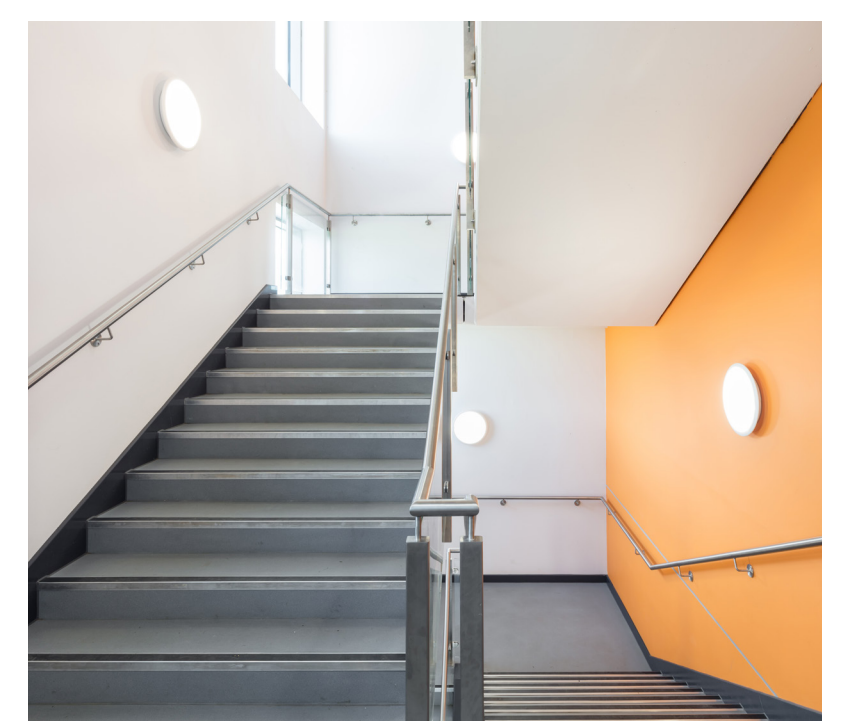
02 Feature accent cladding to above primary entrance.



03 Typical classroom with neutral decoration offering the opportunity for accent colour.



04 Light and airy, robust circulation cores with a potential for a splash of colour.



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VIEW TOWARDS ENTRANCES



AERIAL VIEW - SCHOOL FRONTAGE



AERIAL VIEW - REAR SPORTS FIELD

NET ZERO CARBON AND SUSTAINABILITY

In line with the government requirements, the Department for Education is committed to reducing carbon emissions to zero across their estate by 2050. The recent announcement outlined that 'Rebuilding projects will be greener, helping meet the government's net zero target, and will also focus on modern construction methods to create highly skilled jobs and boost the construction sector'.

The new school buildings shall achieve Net Zero Carbon in Operation. All new school buildings are to be future-proofed to avoid the risk of overheating by testing the building design with an alternative standard to the current Overheating Risk Assessment Criteria.

Key NZCiO features:

- Photovoltaic array for sustainable energy.
- Reduced reliance on fossil fuels.
- Improved building fabric - Including thermal and air tightness characteristics.
- Passive design maximising natural daylight and ventilation.
- Provide energy efficiently e.g PV panels and Air source heat pumps.
- Reduce energy demand of the building.

Key Programme Dates:

- Planning Application Submission - November 2021
- Commencement of Works on Site - April 2022
- New School Opening - September 2023
- Demolition of Existing School and New Landscaping Works - September 2023 to September 2024

Proposed Site Establishment Plans

- 1** Temporary access onto site off Church Road
- 2** Contractors Site Compound/Parking
- 3** Existing school entrance for student, staff and visitors. Pedestrian access on right hand side only.



Temporary Construction Access and Parking

- The location of the temporary construction access is proposed approximately 80m to the north of the existing Site access off Church Road.
- At this location, there is already a small dropped kerb, therefore the proposal is to make this wider to suit access requirement. It is also proposed that the grassed area between the back of the footpath and the school perimeter fence will be turned in to a temporary construction Site access road and this grassed area, perimeter fencing, and footpath/kerbing will be reinstated after the works have been completed.
- Large vehicles will be restricted to turning right onto site only to avoid the low/weak bridge to the north of Church Road and exiting site to the left.
- This ensures that Construction traffic is segregated from the existing staff/pedestrian entrance.
- Temporary on-site parking is provided within the Contractors compound to off-set any loss of existing school parking during the works & to provide parking for the Contractor



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