Redevelopment of Whitley Bay High School

Arrival from Monkseaton Drive

Key dates:

Start of construction *	May 2022
School complete	July 2023
Demolition of existing buildings	September/October 2023
Landscaping works commence	September/October 2023
All works complete	December 2024

** The existing school will remain operational until the opening of the new school building.*

BAM have registered with the Considerate Constructors Scheme.
This means BAM are committed to being clean, safe, environmentally conscious, and respectful to the site neighbours during the construction stage, and will try to cause as little inconvenience as possible.

Interact with the new school:

Courtyard

Main Hall

Sixth Form

Video Tour

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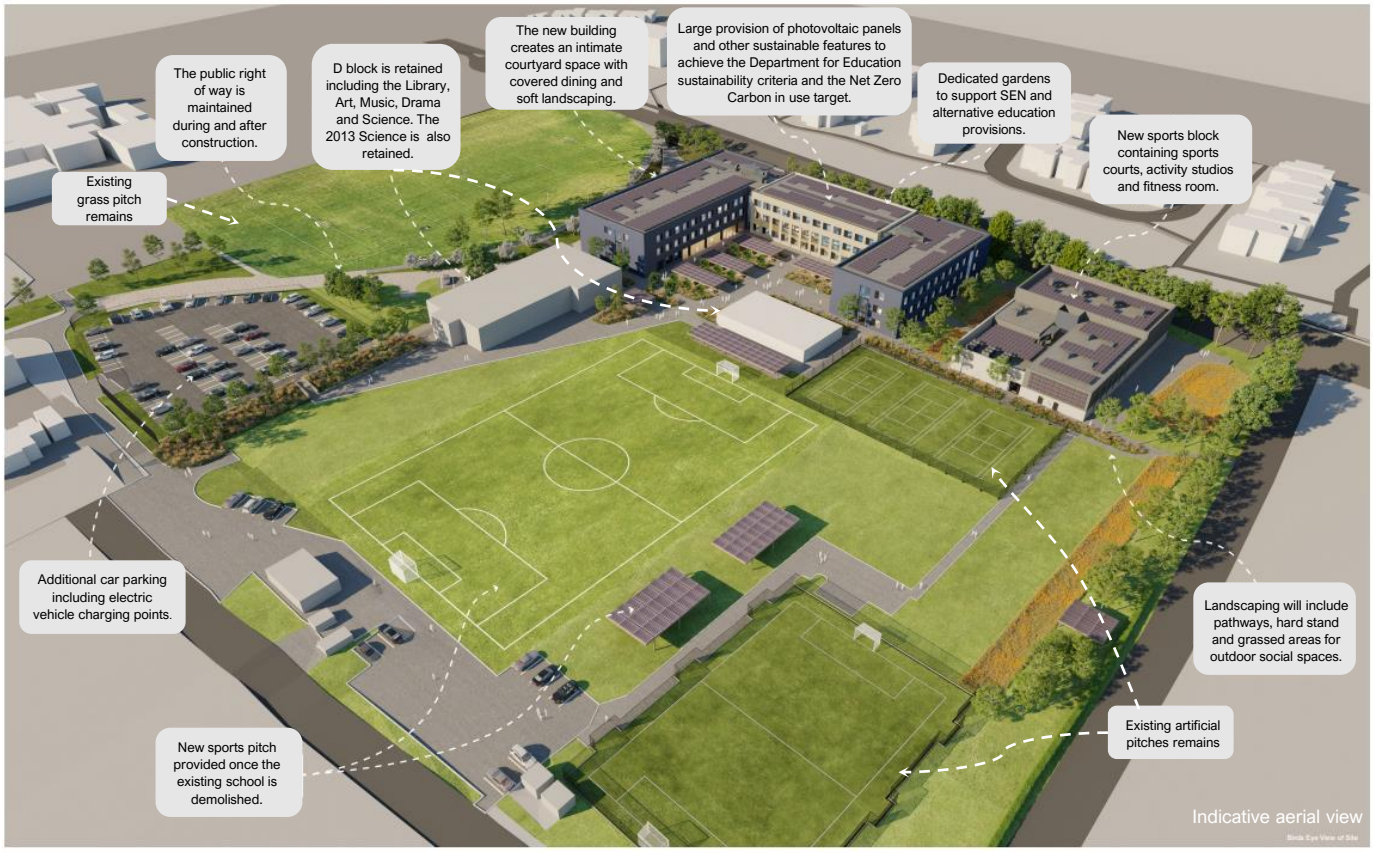
Site context

The new school building aims to provide a high-quality learning environment to support Whitley Bay High School's ethos to provide education, extra-curricular activities, personal and social development opportunities which inspire all students to achieve their personal goals and succeed.

The rebuilding project is managed and funded by the Department for Education as part of the first wave of a national School Rebuilding Programme and involves part-demolition of the existing main blocks (A - C), sports block and all modular accommodation. Two blocks, built post-2000, will be retained (D block and the 2013 Science wing).



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Accommodation

The new school building will be three storeys and include a wide range of departments zoned around a central landscaped area, including –

- Large hall for assemblies, performance and dining.
- Sports hall and activity studios.
- Sixth form social and study area with lecture theatre.
- Specialist spaces for ICT, Technology, Science, Food Technology, Graphics and Textiles.
- General teaching rooms for other subject areas including English and Maths.
- Designated internal and external areas for students with additional needs.
- Provision for pastoral support with staff located in key areas of the building.
- A large football pitch replacing the current pitch which will accommodate the new building.


Main hall


Sixth Form Study Area


Typical classroom


Lecture Theatre

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External appearance – material palette

Elevation South - West

Elevation South - East

Elevation North - West

Elevation North - East

Elevation South - West (Sports Hall)

The building has been designed to respond sympathetically to the local area and its existing tree cover, as well as the site's wider setting which includes Monkseaton Conservation Area to the east.

The material palette is predominantly two high quality bricks which deliver life cycle requirements as well as a fitting expression from the building and robustness in use.

All windows, curtain walling and integrated louvres are aluminium with a metallic powder coating finish.

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Access arrangements

Students:
From Monkseaton Drive: path created within new fence line.
From Deneholm: along path adjacent to top car park.
From Churchill Playing Fields: as currently.

Staff:
From secure top car park: down steps and through courtyard.
From secure lower car park: utilising paths via sports pitch.
Through main reception (pedestrian).

Visitors:
From secure top carpark: to main reception

Community:
From secure lower car park: vehicle and pedestrian access.

Accessible:
5 accessible parking bays (in close proximity to reception).
2 accessible parking bays (in close proximity to sports block).
Taxi escort service drop-off facility.

Deliveries:
Controlled access via intercom and barrier system.

Sustainable travel:
138 no. designated covered student cycle parking spaces.
20 no. designated covered staff cycle parking spaces.
Staff access to a Cycle to Work scheme.
10 no. visitor cycle parking spaces.
7 no. electric vehicle charging points.

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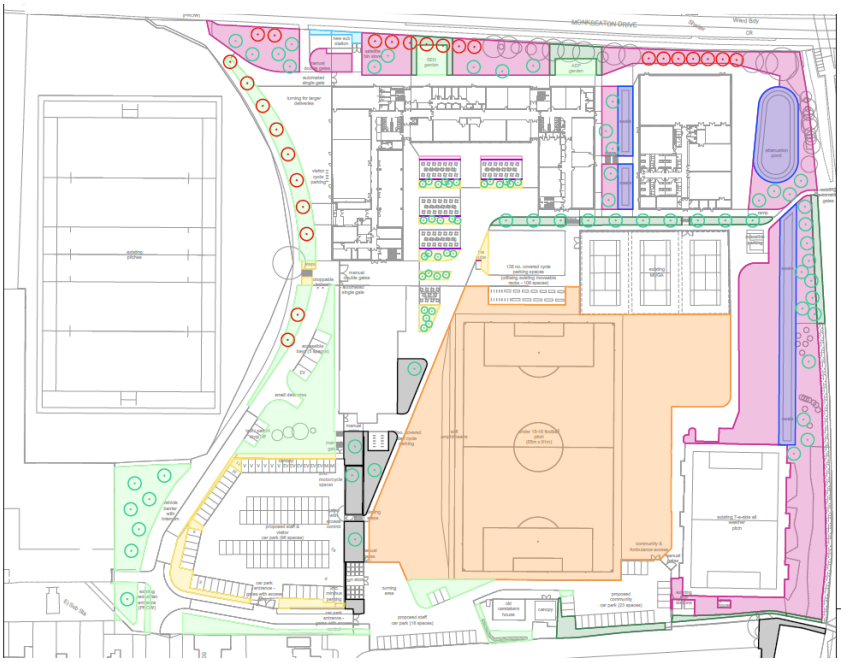
Landscape strategy

The scheme has a landscape-oriented approach and has been designed to create a quality sense of place and put the health and wellbeing of the students and staff at its heart.

Several features have been integrated into the design to enhance the wildlife corridor. These include:

- Soft landscaping to enhance the visual amenity and tie together with the wider school site;
- A rain garden between the main building and sports block;
- Substantial planting of new trees across and within the site;
- Provision of semi-natural wildlife areas (native wildlife / meadow areas on eastern boundary);
- Provision of designated gardens for students with additional needs (on the northern boundary);
- Attenuation basin and provision of swales;
- Replacement of any trees felled to the northern boundary with cherry trees; and
- Consolidation of habitats created to the south-eastern corner of the site under the 'North Tyneside in Bloom' initiative over recent years.

The new build is located partially on the existing school's playing field. This will be re-provided in order to ensure no net loss of sports provision.



Specimen Trees - Native

Number	Abbrev.	Species	Height	Girth/Pot	Specification	Density
TBC	AG	Alnus glutinosa	4m	14-16cm	Root balled including staking & irrigation	as shown
TBC	QC	Quercus cerris	4m	14-16cm	Root balled including staking & irrigation	as shown
TBC	BP	Betula pendula (multi stem)	4m	N/A	Root balled including staking & irrigation	as shown
TBC	SA	Sorbus aucuparia	4m	14-16cm	Root balled including staking & irrigation	as shown
TBC	PP	Prunus pedus	4m	14-16cm	Root balled including staking & irrigation	as shown
TBC	TC	Tilia cordata	4m	14-16cm	Root balled including staking & irrigation	as shown

Specimen Trees – Ornamental Flowering Cherry Trees

Number	Abbrev.	Species	Height	Girth/Pot	Specification	Density
TBC	PA	Prunus 'Accolade' or similar	4m	14-16cm	Root balled including staking & irrigation	as shown

Ornamental Planting (sun) – Perennials & Grasses

Number	Abbrev.	Species	Pot	Specification	Density
TBC	CAKF	Calamagrostis acutiflora 'Karl Foester' (winter interest)	P9	Full Pot: C	9/m²
TBC	MSYD	Miscanthus sinensis 'Yakushima Dwarf' (winter interest)	2L	Full Pot: C	9/m²
TBC	MSFO	Miscanthus sinensis 'Ferner Osten' (winter interest)	2L	Full Pot: C	9/m²
TBC	MCDO	Molinia caerulea 'Dark Defender'	2L	Full Pot: C	9/m²
TBC	MCM	Molinea caerulea 'Meorhex'	2L	Full Pot: C	9/m²
TBC	MAAT	Molinia aerulea ssp arundinacea 'Transparent'	2L	Full Pot: C	9/m²
TBC	SG	Stipa gigantea (winter interest)	2L	Full Pot: C	9/m²
TBC	SSS	Sedum spectabile 'Stardust' (winter interest)	2L	Full Pot: C	9/m²
TBC	SM	Sedum Matrona (winter interest)	2L	Full Pot: C	9/m²
TBC	VVF	Veronicastrum virginicum 'Fascination' (perennial)	2L	Full Pot: C	9/m²
TBC	PAA	Persicaria amplexicaulis 'Alba' (perennial)	P9	Full Pot: C	9/m²
TBC	PAF	Persicaria amplexicaulis 'Firedance' (perennial)	P9	Full Pot: C	9/m²
TBC	PR	Phlomis russelliana (winter interest)	2L	Full Pot: C	9/m²
TBC	HMB	Helenium 'Moorheim Beauty' (late flowering, winter interest)	2L	Full Pot: C	9/m²
TBC	HH	Helenium 'Helena' (late flowering, winter interest)	2L	Full Pot: C	9/m²
TBC	KOVP	Kniphofia 'Ember Glow'	P9	Full Pot: C	9/m²
TBC	KPOV	Kniphofia popsicle 'Orange vanilla'	P9	Full Pot: C	9/m²
TBC	SNC	Salvia nemorosa 'Caradonna'	2L	Full Pot: C	9/m²
TBC	AM	Achillea millefolium	2L	Full Pot: C	9/m²
TBC	ACP	Astilbe chinensis var. taquetii 'Purpurlanze'	2L	Full Pot: C	9/m²
TBC	RF	Rudbeckia fulgida	2L	Full Pot: C	9/m²

Woodland Trees under planted with shade wildflower mix

Number	Abbrev.	Species	Pot	Specification	Density
TBC	AG	Alnus glutinosa	BR	60-90cm	1/ m²
TBC	BPS	Betula pendula	BR	60-90cm	1/ m²
TBC	CA	Corylus avellana	BR	60-90cm	1/ m²
TBC	QR	Quercus robur	BR	60-90cm	1/ m²
TBC	SAS	Sorbus aucuparia	BR	60-90cm	1/ m²

Ornamental Planting (shade) – Perennials & Grasses

Number	Abbrev.	Species	Pot	Specification	Density
TBC	ACVW	Astilbe chinensis 'Vision's in White' (winter interest)	2L	Full Pot: C	5/m²
TBC	AM	Acanthus mollis	2L	Full Pot: C	5/m²
TBC	ICR	Imperato cylindrica 'Rubra'	2L	Full Pot: C	5/m²
TBC	OPN	Ophiopogon planiscapus 'Nigrescens'	2L	Full Pot: C	5/m²
TBC	IS	Iris sibirica	2L	Full Pot: C	5/m²
TBC	DC	Dryopteris cristata (evergreen)	2L	Full Pot: C	5/m²
TBC	DA	Dryopteris affinis (evergreen)	2L	Full Pot: C	5/m²
TBC	RPCW	Rogersia pinnata 'Chocolate Wing'	2L	Full Pot: C	5/m²
TBC	CAKF	Calamagrostis acutiflora 'Karl Foester' (winter interest)	P9	Full Pot: C	5/m²
TBC	HXH	Helleborus x hybridus (evergreen)	P9	Full Pot: C	5/m²
TBC	BO	Bergenia 'Overture' (evergreen)	2L	Full Pot: C	5/m²
TBC	AXHHJ	Anemone x hybrid 'Honorine jobert'	2L	Full Pot: C	5/m²
TBC	AR	Ajuga reptans (evergreen)	P9	Full Pot: C	5/m²
TBC	LG	Libertia grandiflora (evergreen)	2L	Full Pot: C	5/m²
TBC	SCPP	Schizostylus coccinea Pink Princess	2L	Full Pot: C	5/m²
TBC	HH	Hosta 'Halcyconn'	2L	Full Pot: C	5/m²
TBC	PTGC	Pachysandra terminalis 'Green Carpet' (evergreen)	P9	Full Pot: C	5/m²
TBC	HMG	Hamamelis × intermedia 'Barmstedt Gold'	20L	Full Pot: C	counted
TBC	HJ	Hamamelis × intermedia 'Jelena'	20L	Full Pot: C	counted
TBC	HPL	Hydrangea paniculata 'Limelight'	20L	Full Pot: C	counted
TBC	CJ	Cercidiphyllum japonicum	20L	Full Pot: C	counted
TBC	CCFP	Cercis canadensis 'Forest Pansy' AGM	20L	Full Pot: C	counted
TBC	RTD	Rhus typhina 'Dissecta'	20L	Full Pot: C	counted
TBC	MS	Magnolia soulangeana	20L	Full Pot: C	counted
TBC	VTEP	Viburnum tinus 'Eve Price' (evergreen)	20L	Full Pot: C	counted

Species Rich Hedge

Number	Abbrev.	Species	Pot	Specification	Density
TBC	CM	Crataeagus monogyna	BR	60-90cm, double staggered.	9/ m²
TBC	VO	Viburnum opulus	BR	60-90cm, double staggered.	9/ m²
TBC	CA	Corylus avellana	BR	60-90cm, double staggered.	9/ m²
TBC	SN	Sambucus nigra	BR	60-90cm, double staggered.	9/ m²
TBC	MS	Malus sylvestris	BR	60-90cm, double staggered.	9/ m²

Shrubs - Screening

Number	Abbrev.	Species	Pot	Specification	Density
TBC	PL	Prunus laurocerasus	3L	Full Pot: C	4/m²

Shrubs - Climbers

Number	Abbrev.	Species	Pot	Specification	Density
TBC	TJ	Trachelospermum jasminoides	2L	Full Pot: C	counted

Amenity Grass Seeding - Germinal A24 (Wear & Tear) or similar

Meadow Seeding - Emorsgate EM3 Special General Purpose or similar

Sport Seeding - Germinal A9 (General Outfield) or similar

Damp Meadow Seeding - Emorsgate EM8 Meadow Mixture for Wetlands or similar

In addition, the project will provide 10 integrated bird nesting and bat roosting boxes

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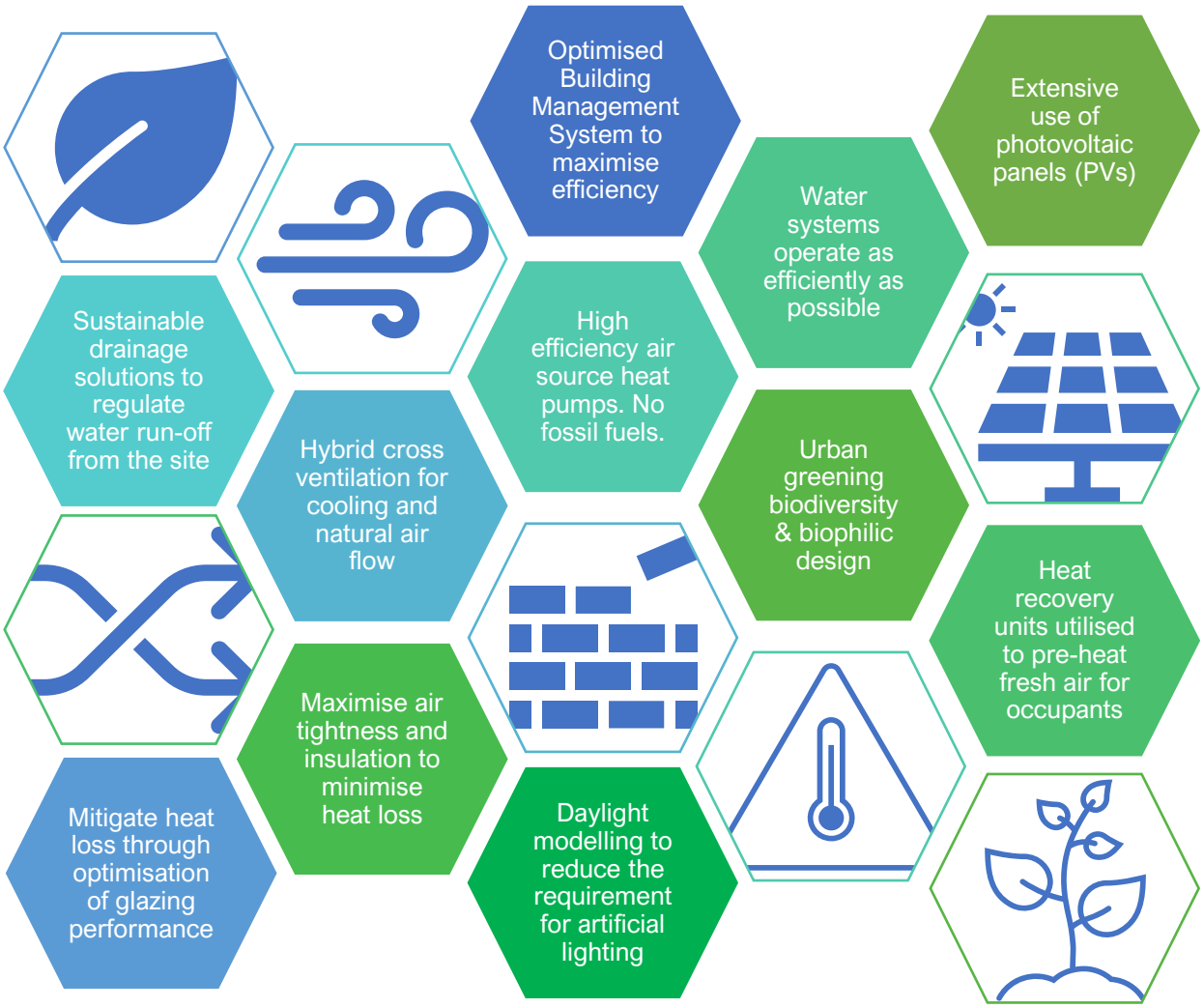
Building for a sustainable future

The School Rebuilding Programme is committed to delivering buildings which are sustainable and seek to address the challenges of the climate emergency. Passive design has been utilised to drive down carbon emissions and ensure the new school is highly sustainable and efficient over the longer term. A significant reduction in energy use has been demonstrated, which then can be offset by the inclusion of onsite renewable energy.

The new school building is future proofed against the risks of climate change and will achieve **Net Zero Carbon in operation**, supporting students and staff to make a positive impact on the environment.



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