

Bartlett students create King's Cross urban garden

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1/10 Family Saturdays at the King's Cross Skip Garden

Students from the Bartlett School of Architecture have created a new urban garden in the centre of Argent's King's Cross redevelopment in London

The garden space for educational charity Global Generation features seven structures built from reclaimed materials.

Recycled sash windows have been used to create a greenhouse, while railway sleepers form toilet cubicles, and coffee sacks filled with earth create energy efficient walls.

Each of the structures was designed to be moveable so the garden can be relocated to different spaces around Argent's development site as construction of the huge masterplan progresses.

Commenting on the scheme, [AJ Emerging Woman Architect of the Year 2014](#) Julia King, who runs the Bartlett's UG3 design unit alongside Jan Kattein, said: 'Full-scale making exposes students to real world challenges.

'Building your own structure and then inhabiting it engages you with your work in a very visceral manner and working with skip garden has allowed the students to do just that. To now see the structures in the final phase is both rewarding and exciting. We hope the Skip Garden continue to work with the local community, allowing opportunities, such as this to grow.'

The students' structures

Welcome Shelter by Charles Redman



A complex mechanism allows the structure to pivot around a central axis whilst simultaneously opening and closing the front gate. The resulting spatial transformation provides for variable degrees of intimacy when dining.

The Glass House by Rachael Taylor



A vertical growing and dining space, encapsulated within a facade, including a low-tech curtain wall made from reclaimed sash windows supported with a scaffold board wall from old shipping containers.

Earthbag Cool Store and Office by Alessandro Conning-Rowland



A reclaimed timber structure, in-filled using recycled coffee sacks from a local coffee roastery filled with earth. On top of the storage room sits the garden's existing office and a decking area. The design also features a distinctive ventilation stack designed with maximum sun facing surface area to help drive the ventilation of the storage room, keeping the produce within fresh.

Greywater Dining Scape by Yangyang Liu

This space provides a wetland dining area and the first large-scale commercial reed bed water filtration scape in London. Pedal pumps are integrated into the system to lift the filtered water into a water storage tank where it can be then used for gravity-led irrigation.

Chicken Coop by Valerie Vyvial



The structure is home to three chickens and revolves around a 3.4m long silver birch tree from Hampstead Heath. The primary structure is bamboo joined by steel fixings cast into the bamboo. The birch panels that cover the coop are based on the missing silver birch leaves creating a lantern effect at night.

Hydroponic Hedge by Iman Mohd Hadzhalle

A timber structure supports a hydroponic system, made of up-cycled wine glass bottles, suspended from the frame by steel wire rope and held in place by digitally manufactured acrylic bottle holders. Between the herb-growing planters an aromatherapeutic workspace invites for respite from the busy urban surroundings.

100 Hands Wall by Christophe Dembinski

A rammed earth wall forms the back-bone to a dining and growing hall. The laboursome construction process was chosen to engage and educate communities from across London in sustainable construction techniques.