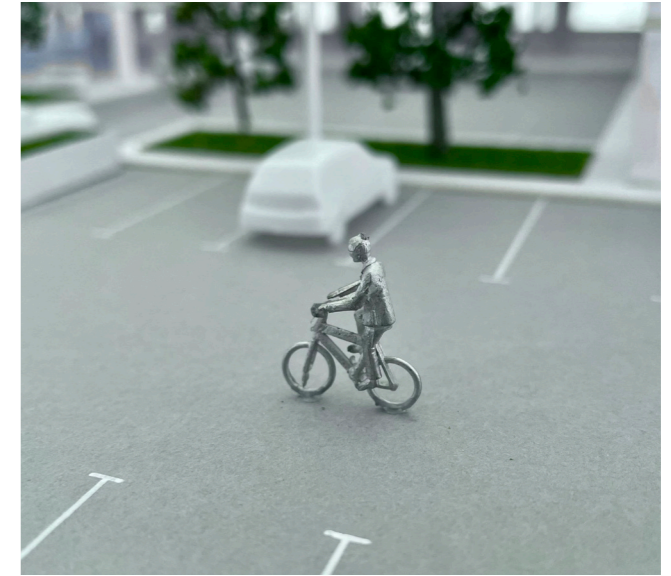




ARCHITECTURAL MODELS  
**PORTFOLIO**

Hadi Pirmohamed, MArchD (RIBA Pt.11) Graduate

# Harefield: Display Model



**Project Statement:** The client was looking to showcase their newly acquired property to the community to help in fundraising the project, with an architectural model to be placed at the entrance of their current centre.

**The Model:** This physical handmade **Display Model** was intentionally created without external walls to the building as requested by the client to showcase the scale of the property and potential for interior renovation. The items that were sourced were cars, trees, lights, bikes, benches and people.

**Project** Harefield  
**Model Size:** A0  
**Model Scale:** 1:100  
**Page:** 2



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# Jewellery Quarter: Site Model



**Project Statement:** Connect is an education/community centre in jewellery quarter, Birmingham where the public can learn about the history of the area and learn a new skill through creating small metal objects in the workshops provided.

**The Model:** This physical handmade **Topographical Site Model** used a range of different boards such as craft-board, mount-board, translucent plastic and different coloured cardboards to illustrate the proposal and the surrounding area.

**Project** BSc, Year 3  
**Model Size:** A2  
**Model Scale:** 1:500  
**Page:** 3

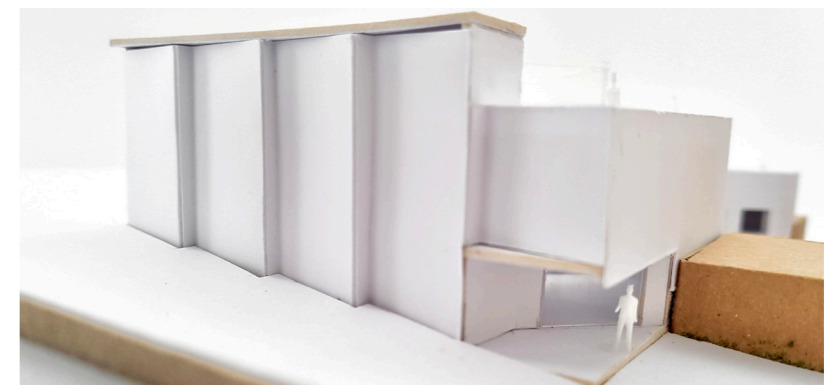
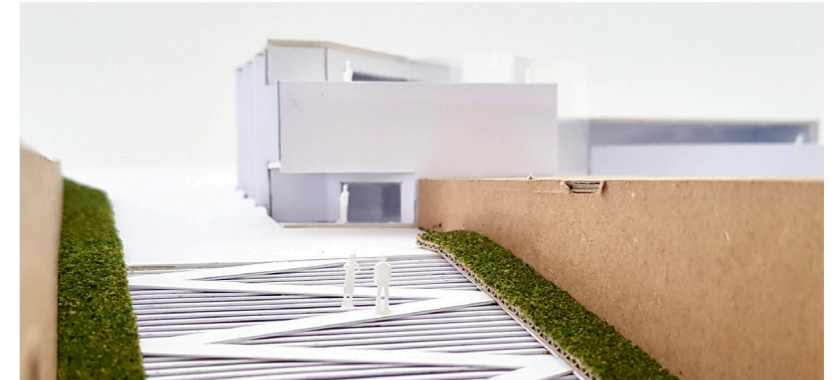


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# Jewellery Quarter: Display Model



**Project Statement:** Connect is an education/community centre in jewellery quarter, Birmingham where the public can learn about the history of the area and learn a new skill through creating small metal objects in the workshops provided.

**The Model:** This physical handmade **Display Model** used a range of different boards such as craft-board, mount-board, transparent plastic and different coloured cardboards to illustrate the proposed building and immediate site.

**Project** BSc, Year 3  
**Model Size:** A3  
**Model Scale:** 1:150  
**Page:** 4



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# Jewellery Quarter: Double Skin Facade Detailed Section Model



**Project Statement:** Connect is an education/community centre in jewellery quarter, Birmingham where the public can learn about the history of the area and learn a new skill through creating small metal objects in the workshops provided.

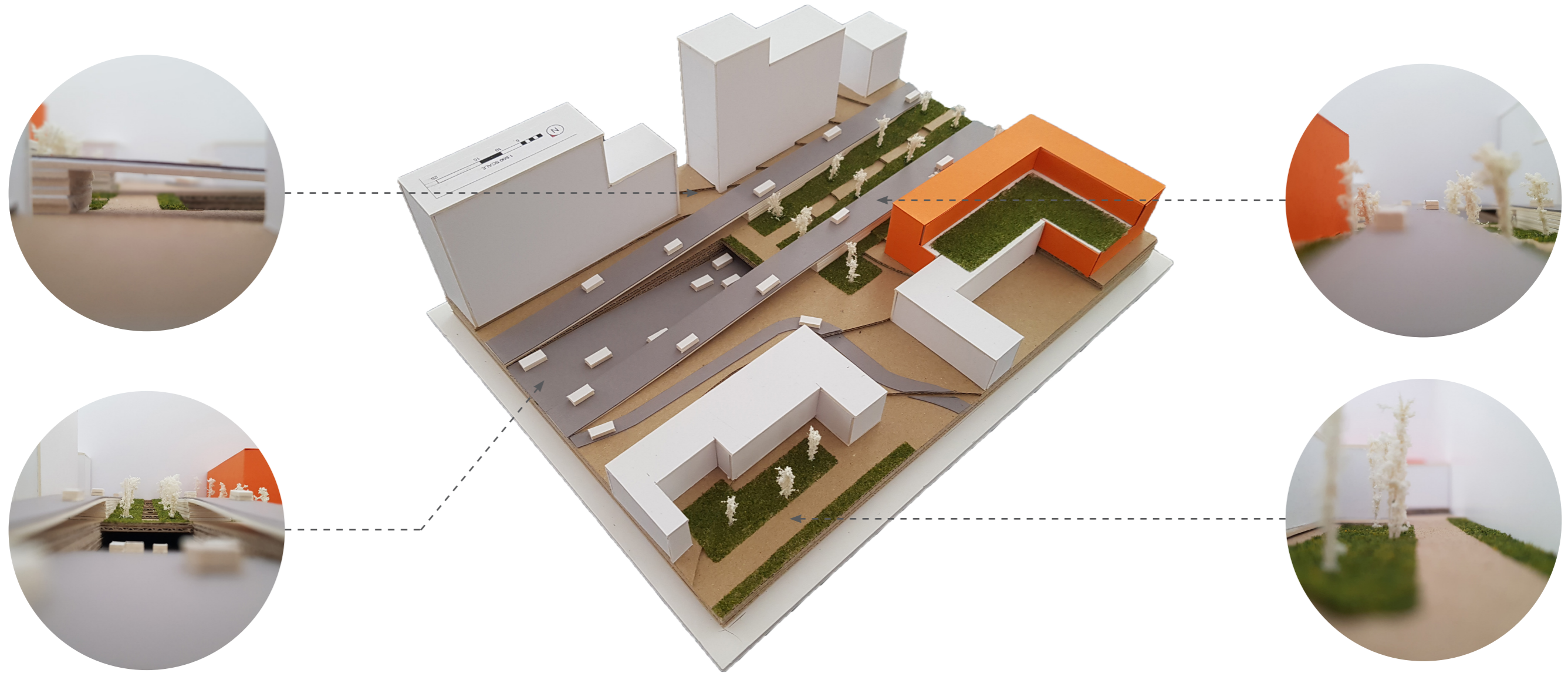
**The Model:** This physical handmade **Detailed Facade Model** used a range of different boards such as craft-board, mount-board, transparent plastic and different coloured cardboards to illustrate the double skin facade in detail and highlighted the lighting effect created by the perforated bricks

**Project** BSc, Year 3  
**Model Size:** A4  
**Model Scale:** 1:50  
**Page:** 5



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# Jewellery Quarter Urban Design: Site Model



**Project Statement:** The Jewellery Quarter's urban design object was to redesign the area by prioritising pedestrians, adding nature and creating a reason for people to walk along Ludgate Hill and Church Street.  
**The Model:** This physical handmade **Site Model** used a range of different boards such as craft-board, mount-board and different coloured cardboards to illustrate the urban proposed changes on the site, including the bridge extension to prioritise pedestrians.

**Project** BSc, Year 3  
**Model Size:** A4  
**Model Scale:** 1:500  
**Page:** 6



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# Coventry Housing Project: Display Section Model



**Project Summary:** An apartment block located outside Coventry city centre designed for the average - high income families. The apartment block consists of 4 duplex apartments, 4 apartments, a library/study room, lounge/games room, underground garage and a rooftop garden.

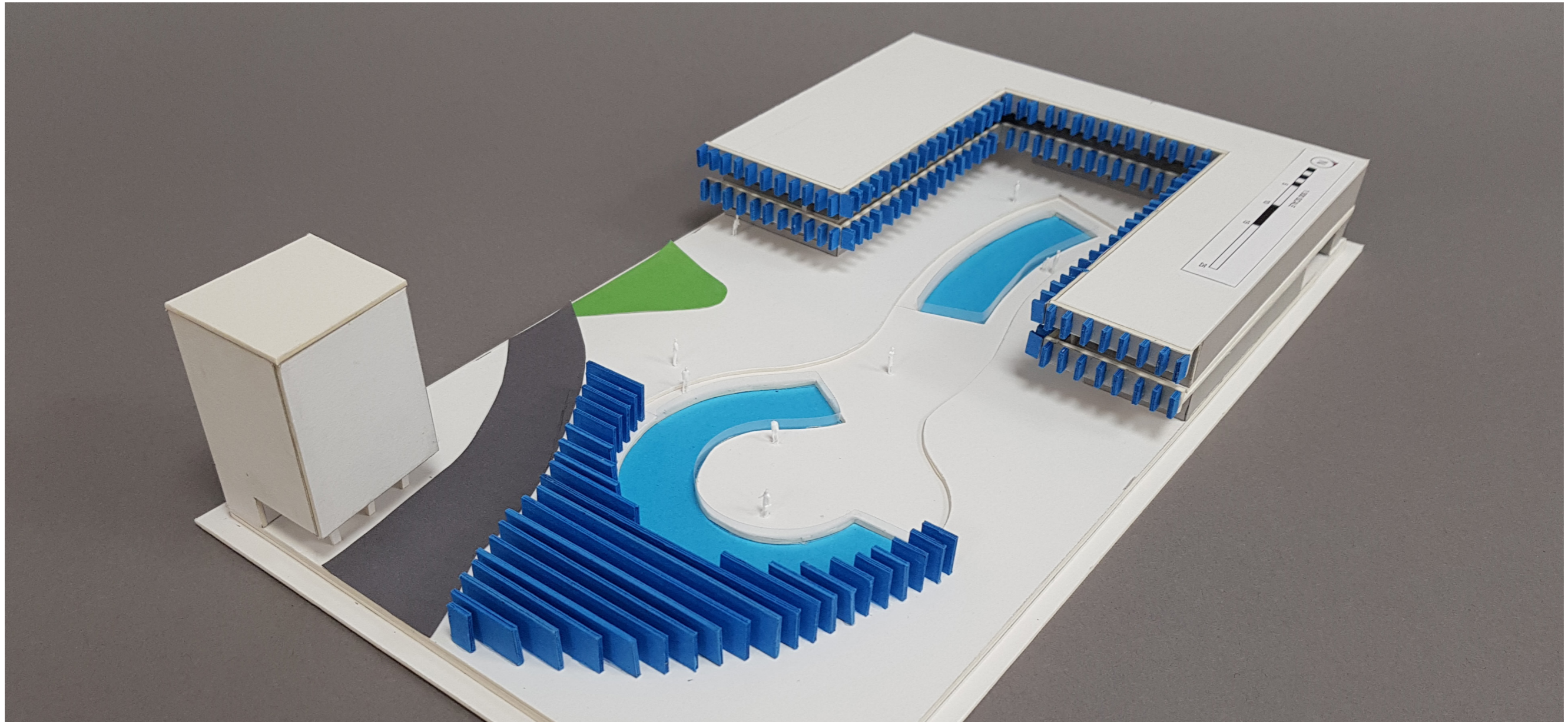
**The Model:** This physical handmade **Display Model** was a first attempt to a **Section Model** and used a range of mount-boards and different coloured cardboards to highlight the interior (apartments) spaces of the structure

**Project** BSc, Year 2  
**Model Size:** A4  
**Model Scale:** 1:200  
**Page:** 7



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# Coventry Bull Yard Urban Regeneration: Site Model



**Project Statement:** To redesign an existing street in Coventry city centre to attract people to spend time in rather than using it to travel from one place to another with the addition of restaurants and hourly dancing fountain shows to create a space where the public can hangout.

**The Model:** This physical handmade **Site Model** used a range of mount-boards and different coloured cardboards to illustrate the urban regeneration highlighted in Blue.

**Project** BSc, Year 2  
**Model Size:** A4  
**Model Scale:** 1:300  
**Page:** 8



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# Barcelona Pavilion: Interior Model



**Project Statement:** An exploration of physical model making techniques and finishes using the famous Barcelona pavilion.

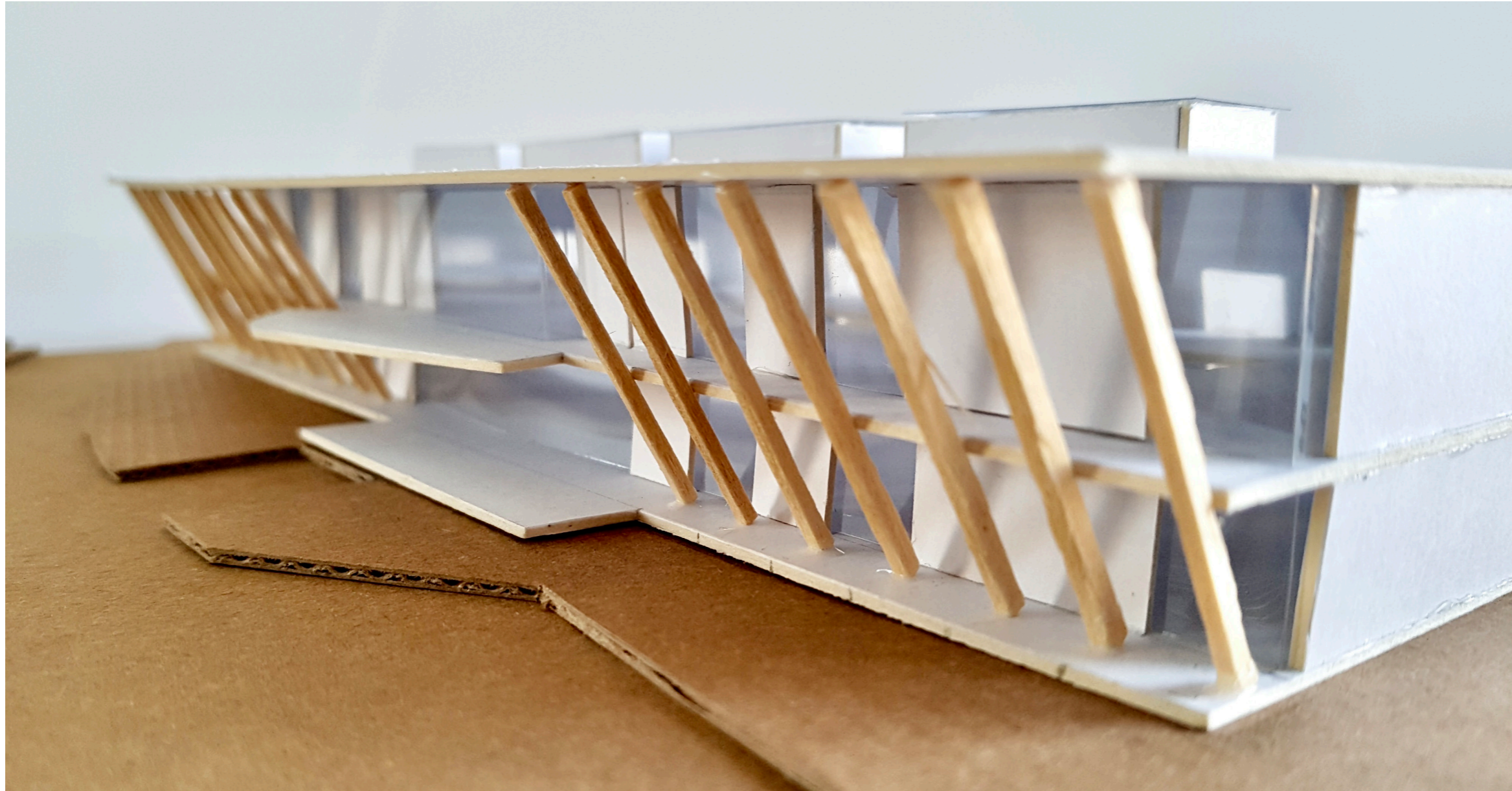
**The Model:** This physical handmade **Interior Model** used a range of materials such as grey board, mount-boards, different coloured cardboards and printed paper to illustrate the different materiality, texture and interior aesthetic.

**Project** BSc, Year 2  
**Model Size:** A3  
**Model Scale:** 1:50  
**Page:** 9



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# Eden Project Foundation Building: Display Model



**Project Statement:** Part of the environmental and construction module in semester 1 of year 2 to create a model of the Eden Project Foundation Building. The model was created for the main purpose of doing a solar analysis.

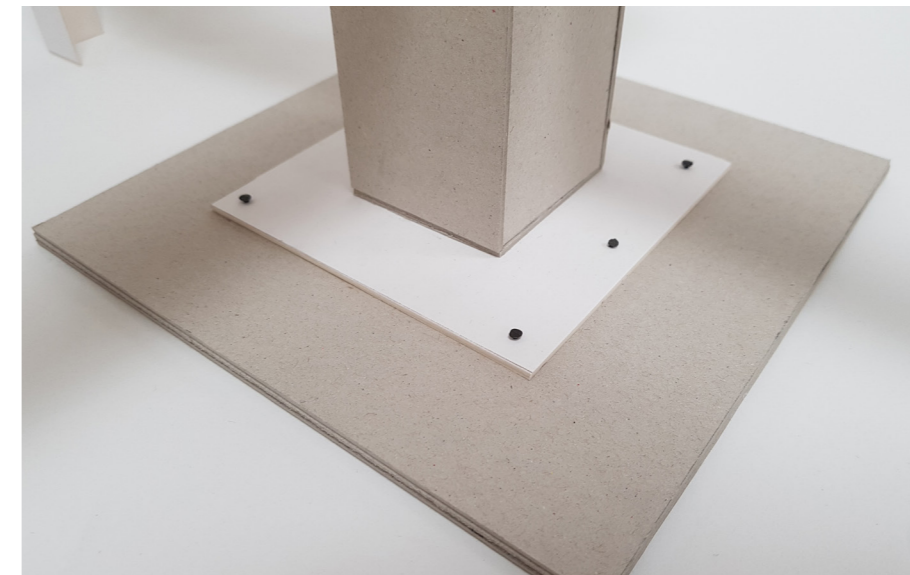
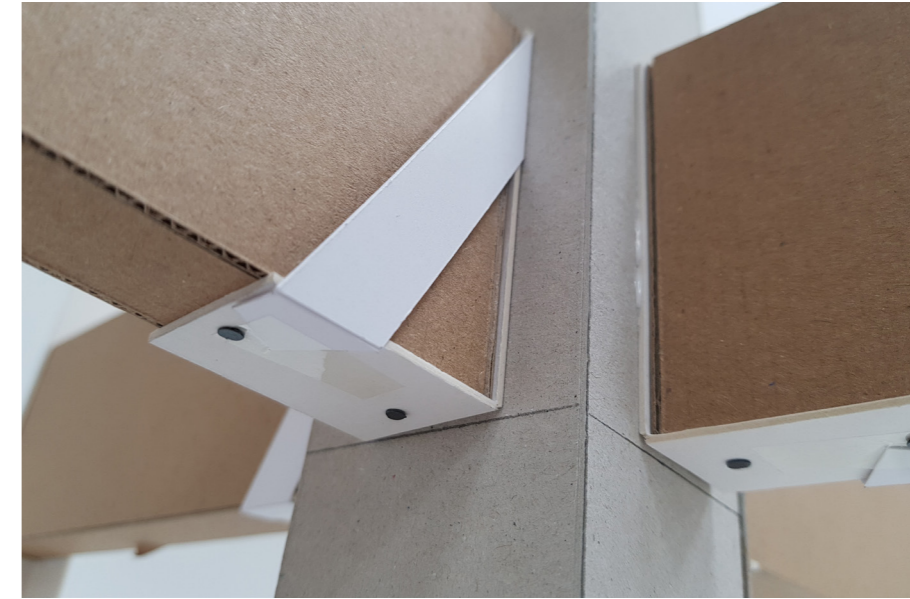
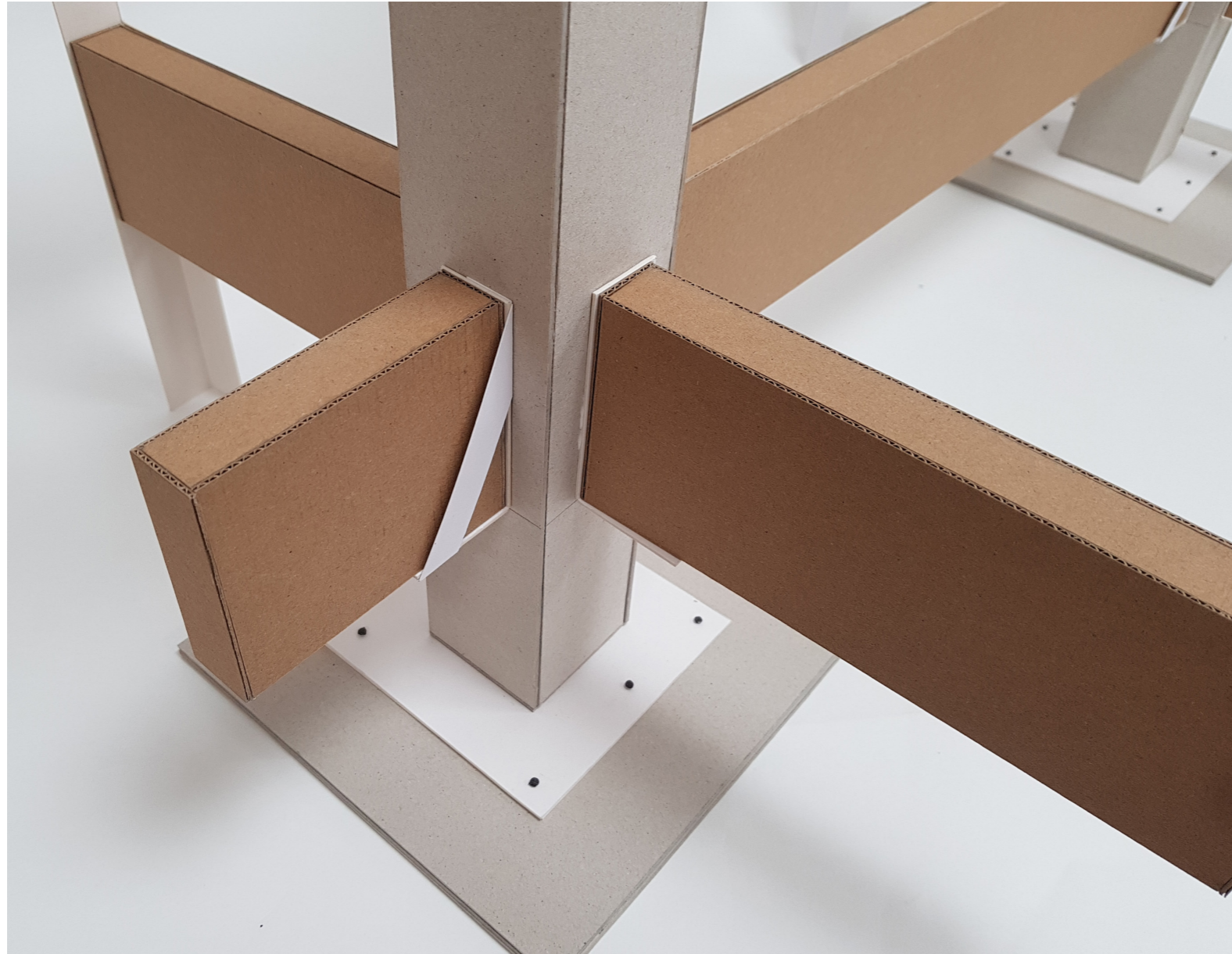
**The Model:** This physical handmade **Display Model** used a range of materials such as craft board, mount-boards, wooden sticks and clear plastic to illustrate the different features, façades and massing of the building.

**Project** BSc, Year 2  
**Model Size:** A3  
**Model Scale:** 1:100  
**Page:** 10



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# Construction: Detailed Construction Model



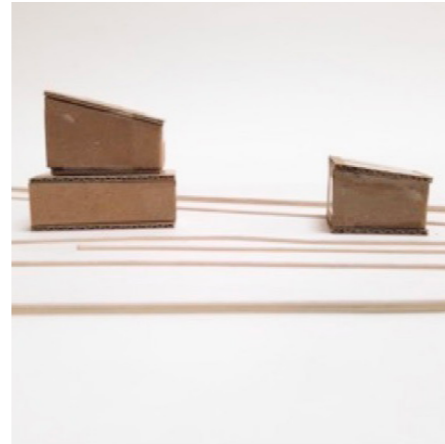
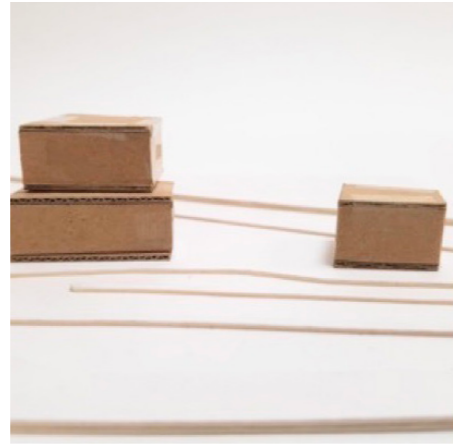
**The Model:** This physical handmade 1:20 **Detail Model** is of a timber beam and concrete wall connection. It was made using a range of materials such as Grey board (Concrete), White Mount board (Steel), Cardboard (Timbre) and Nails (Screws) to signify the concrete foundation and column held together with a steel plate, and timber beams being supported onto the column with a metal beam hanger.

**Project** BSc, Year 2  
**Model Size:** A1  
**Model Scale:** 1:20  
**Page:** 11



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# Coventry Dance/Exercise Proposal: Development Massing Model



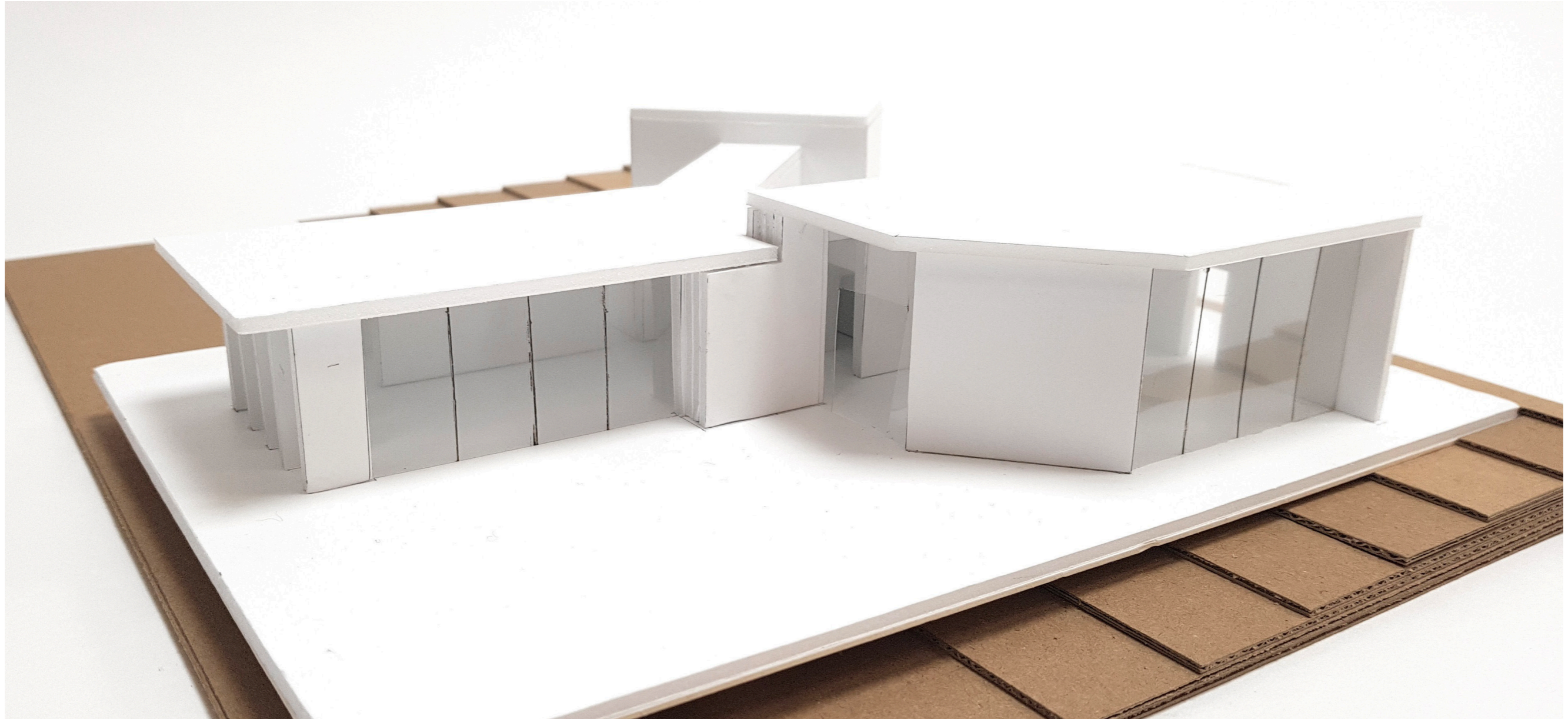
**Project Statement:** A dance and exercise space consisting of 2 structures, the main building and smaller structure where events take place. Between the two buildings is a grass area where activities can take place during the summer.  
**The Model:** This physical handmade **Massing Model** used craft-board and mount-board to help in the development on the proposed design.

**Project** BSc, Year 1  
**Model Size:** A5  
**Model Scale:** 1:500  
**Page:** 12



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# Coventry Charterhouse: Display Model



**Project Statement:** To design an education and cafe beside the historic Coventry Charterhouse to increase activity on the site. The design was carefully considered to ensure importance was given to Charterhouse where the youth could learn about the historic background of the site.

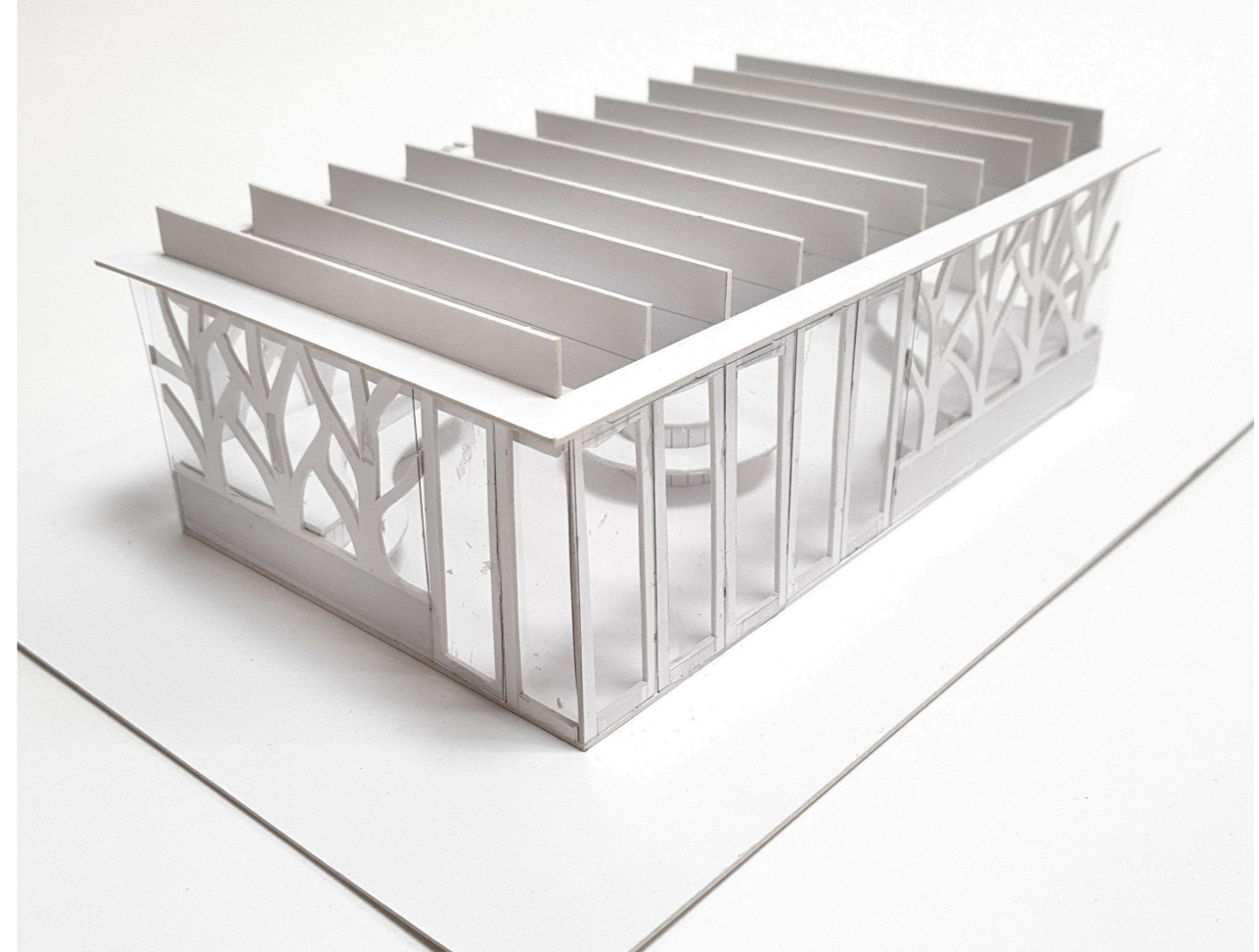
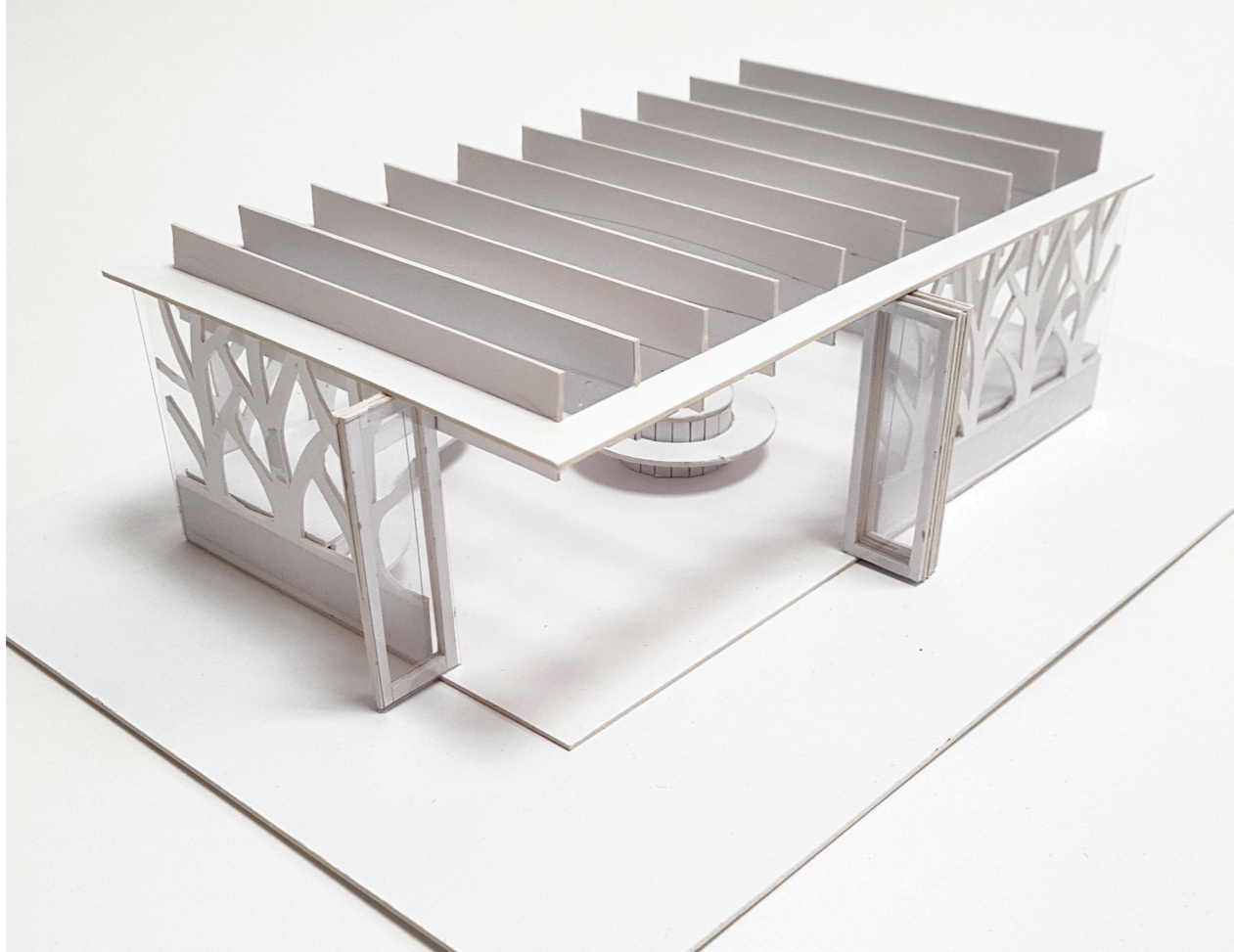
**The Model:** This physical handmade **Display Model** used a range of materials such as craft board, Foam-boards and clear plastic to illustrate the site's topography and the proposal.

**Project** BSc, Year 1  
**Model Size:** A3  
**Model Scale:** 1:100  
**Page:** 13



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# Enclosure: Display Model



**Project Statement:** The enclosure is designed to be placed in a public park where the public can enjoy the warmth of the enclosure during the winter. The key features of this enclosure are the sliding doors and its modern design.  
**The Model:** This physical handmade **Display Model** used mount-boards and clear plastic to illustrate the different features of the proposed structure.

**Project** BSc, Year 1  
**Model Size:** A5  
**Model Scale:** 1:100  
**Page:** 14



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# Art Studio: Interior Model



**Project Statement:** The space was transformed to create an airy and clean environment through the use of colour, furniture and nature. The space was divided into 3 areas, 2 teaching areas on either side of the room (Image on the Right) and a collaborative space in the middle (Image on the Left)

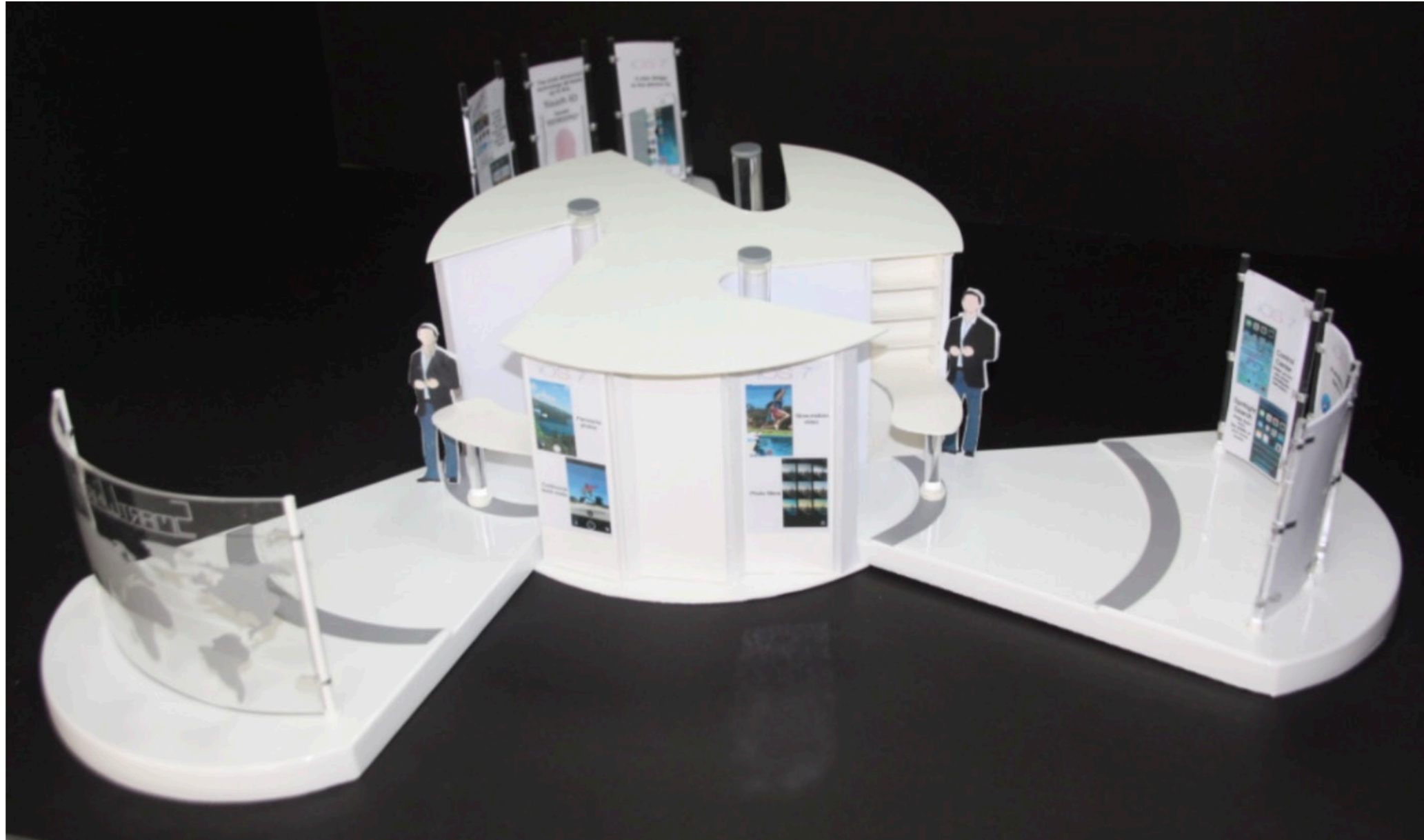
**The Model:** This physical handmade **Interior Model** used a range of materials such as foam-board, mount-boards, printed paper and coloured paper to illustrate the different interior furniture, colour scheme and texture.

**Project** Foundation  
**Model Size:** A1  
**Model Scale:** 1:100  
**Page:** 15



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# Exhibition Stand: Interior Model



**Project Statement:** An exhibition stand proposed to be located in Mall of the Emirates to promote Apple's all new iPhone 5 and iOS 7.

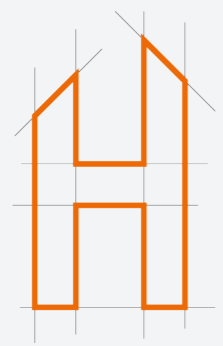
**The Model:** This physical handmade **Display Model** used a range of materials and processes such as MDF, cardboard, Styrofoam, acrylic, polystyrene sheet using a band saw, disk sander, vacuum former and hand tools to illustrate the different features of the exhibition stand proposal.

**Project** GCSE  
**Model Size:** A1  
**Model Scale:** 1:50  
**Page:** 16



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