



COP26 Glasgow Souvenir Project



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Introduction

This collaborative, intergenerational project between University of Strathclyde CLL and Design students set out to challenge budding designers in an 8-week project to showcase their creative talents through designing and making a souvenir to celebrate Glasgow hosting COP26 in 2021. The students worked through a series of key design stages including research, concept design, making prototypes, and testing. As we know, 2021 is an important year for Glasgow. The city was chosen by the UK to host COP26, the United Nations Climate Change Conference from 1 to 12 November 2021. COP26 incorporates the 26th Conference of the Parties to the United Nations Framework Convention on Climate Change (UNFCCC), the 16th meeting of the parties to the Kyoto Protocol (CMP16), and the third meeting of the parties to the Paris

Agreement (CMA3). Glasgow was selected because of its experience, commitment to sustainability and world-class facilities.

The “Dear Green Place” is the perfect place to host a sustainable and inclusive COP. Glasgow aims to be one of the greenest cities in Europe through its Sustainable Glasgow campaign, and is 4th in the world in the Global Destination Sustainability Index. It also has a proven track record of hosting events on the international stage, such as the 2014 Commonwealth Games and the 2018 Glasgow European Gymnastic Championships. Surrounded by the river Clyde, the city and its lovely parks, the location will inspire attendees to tackle climate change and protect the planet for future generations. As a memento of this important occasion in our fine city, over 40 students in total have designed and made a limited production run of COP26 souvenirs for visitors to buy and take back home.



The Age-Friendly Academy

The University of Strathclyde is an Age-Friendly University with a unique, life-course approach to learning, where regardless of age or stage in life there are opportunities for everyone.

The Age-Friendly Academy was launched in 2017 to bring together and showcase the breadth of work being carried out across the University relating to demographic change and ageing. It aims to foster collaboration, promote positive ageing and change perceptions of what a university is and who it is for by promoting a life-course approach to learning.

The Design for All - Glasgow Souvenir project has been an excellent example of aligning with this age-friendly ethos by bringing together students from different generations to share

their knowledge, skills and experience and learn from each other throughout the project.

The project has also brought together colleagues from across the University - from the Centre for Lifelong Learning, the Department of Design, Manufacturing and Engineering Management (DMEM), and the Department of Computer and Information Sciences - and given them the opportunity to work collaboratively on an innovative and ambitious new project.

We hope you enjoy the results highlighted in this catalogue.



Glasgow Iconic Landmark Bookmarks

Arlane Fleming and Lucy Ronnie

Iconic Glasgow Clydeside landmarks and architecture was the inspiration behind the design of the bookmarks designed and made by Lucy Ronnie and Arlane Fleming.

There are 5 different architecture designs that sit alongside 2 COP 26 related designs in this set of bookmarks. The Glasgow Clydeside, its shipbuilding and engineering heritage, and the ethos of COP 26 influenced the material choice for the product.

The stainless steel is made from waste off-cuts and sourced from a local blacksmith and the

cardboard wrapping material is repurposed from used packaging.

Both Lucy and Arlane are avid readers and wanted to design a product that felt substantial and would stand the test of time, whilst still being tactile. Lucy and Arlane have also created a website - www.GLA26.com and this provides information on each of the iconic Glasgow architecture bookmark designs.



Glass Jar Mural Lanterns

Rowan Cunningham and Claire Purcell

On being given the opportunity to create a COP26 souvenir, we quickly agreed that our focus would be the inspirational murals that have appeared on tenement gable ends and other sites across Glasgow's City Centre in recent years.

Through experimentation we found that the best way to showcase the murals was to illuminate images of them and the most sustainable way to do this was to create lanterns by up-cycling everyday use glass jars. The jars can be lit by a small solar powered light or an environmentally friendly candle.

We have chosen to showcase four murals including 'St Mungo' and 'Wind Power'. We believe that our selections give a fitting representation of Glasgow, its history and its commitment to a hopeful and sustainable future. Each jar comes with a custom-made label detailing the sentiment behind the image featured and its location within Glasgow's City Centre.



Waste Timber Coasters

Ryan Lenagh and John Doyle

Our Glasgow souvenir for COP26 is a handmade coaster cut from repurposed pine timber waste and finished with a sustainable walnut oil. Contrasting illustrations of the four main elements from Glasgow's coat of arms are engraved on either side of the coaster.

The crest depicts the bird that never flew, the tree that never grew, the bell that never rang and the fish that never swam. On one side is an animated depiction of each of the elements, representing the possible preservation of the planet and its ecosystem. Whereas, on the other side, is a withered portrayal of them to serve as a

reminder of the potential consequences of climate change if we do not act now.



Glasgow Coat of Arms Automata

Lin Murray and Achilleas Sarrigiannidis

This souvenir is an automata based on the symbols appearing on the Glasgow Coat of Arms and the legends of Saint Mungo namely, the bird that never flew, the tree that never grew, the bell that never rang and the fish that never swam.

The automata depicts the aims of the Paris Agreement and COP26 ensuring that birds will fly, trees will grow, fish will swim, and bells will ring.

The automata is made from birch laser ply, cut by laser cutter with a 10mm ply base. The Glasgow skylines and tree layers are detachable. The three river Clyde wave layers move

sequentially to represent a fish swimming.



Merchant City Clock Tower

Kathleen Grant

The Merchant City Clock Tower is a historical monument located in the heart of Merchant City, Glasgow. The tower is the last standing brickwork of the 1626 Glasgow city hall, court and jail- the central hub of the city for many centuries.

Now, the historical tower will display the 'climate clock' in the run up to the COP26 climate conference to showcase how much time is left before irreversible damage is done to our planet.

Its prime location in the city and widespread interest across many media platforms has

supported the COP26 in conveying the need for positive changes.



“Azulejo” Coasters

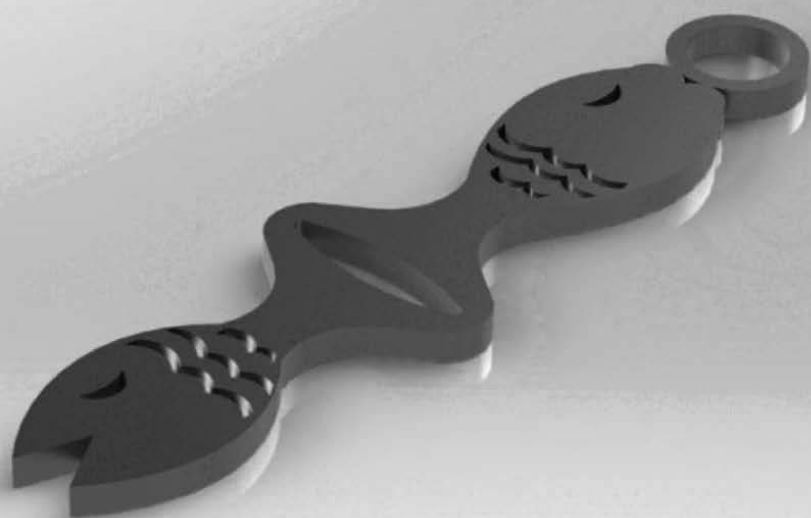
AnnMariee Kerwick and Orla Flanagan

Orla and I came up with a range of souvenir ideas. To make our design decision we had to consider that it would be sustainably made, cost effective, easily transportable, something people would want and would also be suitable as a gift. We decided on our coaster idea and that the material to be used would be wood. We will varnish each coaster to give it a nice shine along with long lasting protection.

But we didn't want just a typical set of coasters. We both really love 'Azulejos' (a form of Portuguese and Spanish glazed painted tin-glazed ceramic tilework) and came up with the idea that when all four coasters are placed together, they would make a map of

Glasgow. This meant that each coaster on its own has a lovely partial map design but when all of them are together it is most effective, ideal for sitting a teapot on in the centre of a table.

To the unfamiliar eye we could see it might be a little difficult to piece all four together to make the map. We added the subway line, painted in its trade mark orange, which connects all four coasters. This makes it easy for the coasters to be fitted together and also highlights another famous landmark of the city. We really enjoyed designing our souvenir and we hope the end user enjoys using it just as much.



Reusable Chip Fork

Emma Clarke and John Ramsay

Picture the scene...
Glasgow City Centre -
it's late but not too
late. A night out
with friends and much
merriment ends and
now it is starting to
rain. Spirits lift at
the sight of a chip
shop, the inviting
fluorescent tube glow
and waft of vinegar
beckons. Another
night ends with a bag
of chips or a full
fish supper if you're
hungry...

This is your chance
to connect with a
regular Glasgow
tradition with this
fine reusable chip
fork crafted in
precision laser cut
stainless steel,
carefully designed to
last a lifetime of
takeaways.

Featuring a design

that references the
Glasgow Coat of Arms
where a salmon is
pictured with a ring
in its mouth. The
chip fork is designed
to be a fun take on
reusable cutlery,
which we hope will
help you enjoy the
finest fish suppers
Glasgow has to offer!



Glasgow Pop-Up Card

Maryam Alhamadani and Janet Turner

Our Glasgow souvenir for COP26 is an intricate, contemporary pop-up card highlighting Glasgow and its surrounding areas of the present day.

The grass represents the “Dear Green Place...” and the many parks within the city’s boundary. The centre represents the remnants of the city’s industrial past - the Finnieston crane, the regeneration of the present day including the Armadillo, the Squinty bridge and the Riverside Museum all set along the banks of the River Clyde.

In the background lie the Campsie Hills with wind turbines

representing renewable energy - “The Cycle of Change”.

The intricate and accurate drawings were produced using CAD software and then precisely cut using a laser cutting machine. The material used is 217g textured card of various colours, which was then assembled onto backing card by hand using simple folding techniques.

All paper and card used was sustainably obtained and all materials are recyclable.



Sgian Dubh

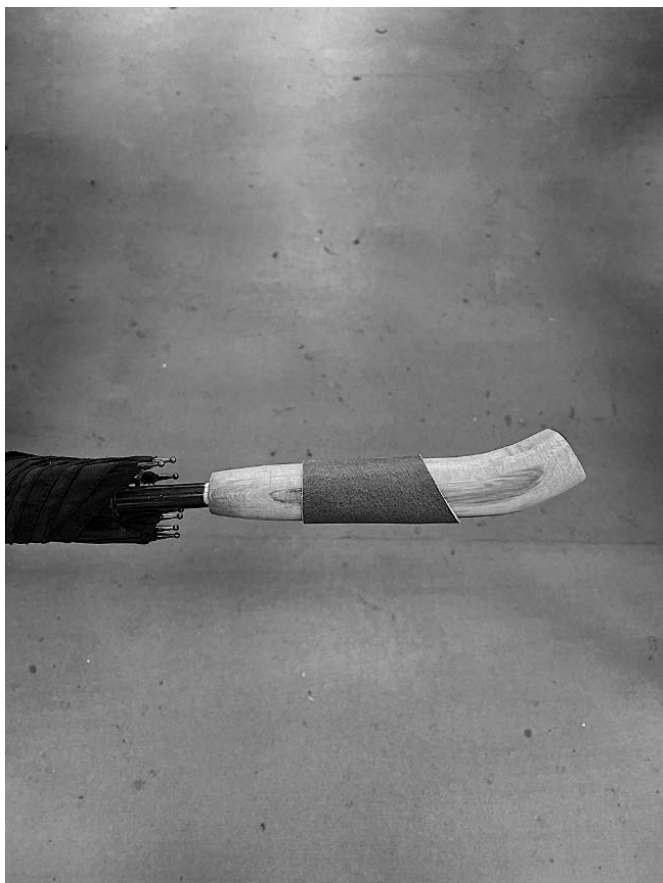
Danny Dunn

The Sgian Dubh is embedded in Scottish culture and history. Originally intended for food preparation and personal protection, the sgian dubh is now worn with traditional Scottish garments.

Made from recycled oak and leather, this sgian dubh is emblazoned with the work of Charles Rennie Mackintosh, one of Scotland's most famous architects and designers.

Mackintosh influenced and designed many things including the cross in the centre of the piece. This cross is a depiction of a tombstone which can be found in Glasgow's famous

necropolis. Gaelic patterns and designs decorate the edges of the blade.



“Dreich” Revived Umbrellas

Ali Boyd

“Dreich” is a reclaimed revival of the humble umbrella. “Dreich” takes old, broken and discarded umbrellas and gives them a new lease of life by fitting new handles - each one handmade from a variety of reclaimed wood. Each one of the limited edition umbrellas has a truly unique look to them giving each umbrella its own unique story.

Each bespoke label is made of recycled paper.

All of the umbrellas come fitted with an information label that tells you of its background and where each component has come from. The “Dreich” umbrella perfectly symbolises Glaswegian weather while being made of rejuvenated and reclaimed materials.

GLASS GO LXXII



Viewer

Gail Winters and Aaron Docherty

Learning about the process of design and manufacturing has been an invaluable experience. The first of our unique designs is a viewer, made of Birch wood consisting of four interchangeable sides that can be easily built and dismantled for transportation or storage.

There are a set of five viewers, each having their own individual design etched on the panels, signifying their accompanying slides that are relevant to Glasgow's design past and recycled present.

To highlight music, we used etched musical notes which

integrates with the running theme of Glasgow and COP26 on alternate sides.

These words have been etched in the writing style of Glasgow's own Charles Rennie Mackintosh. There are four accompanying tinted slides for each viewer in relation to their themes. Included in this set will also be an information leaflet on COP26 and of all the slides used.



Keyring / Bottle Opener

Gail Winters and Aaron Docherty

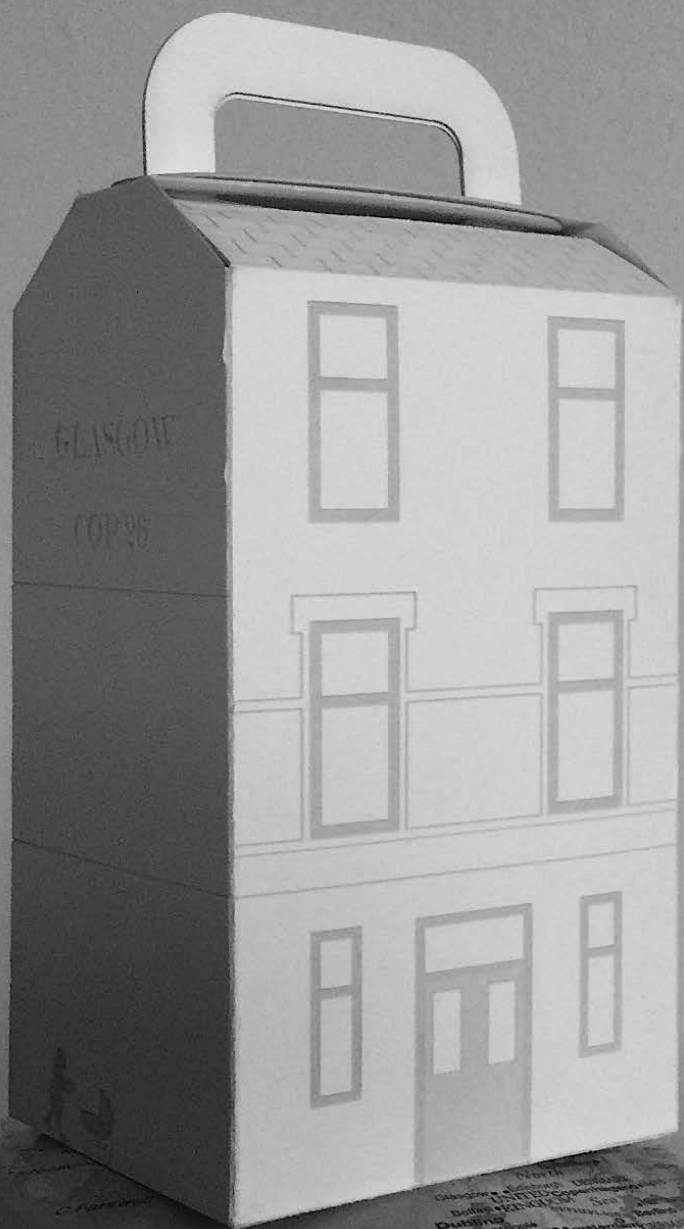
Our second souvenir is an etched and hand-finished stainless steel unique Keyring/Bottle opener.

Glasgow is also highlighted alongside Charles Rennie Mackintosh's Glasgow rose. We also chose to incorporate a tree to signify plans by the Forestry and Land Scotland (FLS) to plant millions of native trees over the next few years.

This will contribute towards Scotland's climate change targets. A tree is also included within Glasgow's coat of arms and its Gaelic name of Glaschu means

the "dear green place".

COP26 is highlighted on the opposite side of the souvenir. We discussed a few different designs before settling on this one, which we feel is not only functional, but aesthetically pleasing to the eye.



“Home” Gift Box

Shirley Sampson

Shortly after humanity received a Code Red warning in August 2021 amid intensifying global drought, fire and flood, Glasgow will be home to the world's 197 signatories to the United Nations' 26th Conference on Climate Change, or CoP26 - a meeting critical for the survival of life on our shared home, planet Earth.

Inspired by the idea of the universal importance of “home”, my Glasgow souvenir for CoP26 is a gift box in the form of a typical 'Gorbals Street' Glasgow tenement which is traditionally a stone-built urban dwelling with two or three apartments on

each floor.

Tenements were built between 1850-1900 and are still home for many Glaswegians.

The tenement box comes in two sizes but each is a simple flat-pack of recycled card, quickly assembled without the need for any glue. The designs, which have various silhouetted details, have been cut and reproduced by laser cutting - a process which uses no polluting inks or dyes.

Boxes are available individually or in packs.



Recycled Plastic Utility Bags

Lyudmila Kutsarova and Kate McLean

Our handcrafted utility bags are made from recycled plastic bags that have been thrown away. They are inspired by Lyudmila's Bulgarian grandmother who has used this 'green' recycling method of crocheting for decades.

Reducing waste in Glasgow and creating something useful, unique and aesthetically pleasing were all central to our purpose. All of the proceeds from our utility bags will be donated to the Clyde Climate Forest Project which aims to plant 18 million trees around the greater Glasgow area.

Growing up in a very environmentally conscious family in California, I loved the sustainability at the heart of this design project's brief. Our work is made with love - a Bulgarian / Californian / Glaswegian amalgamation that celebrates sustainability and hope in COP 26 and its host city of Glasgow, that "Dear Green Place".



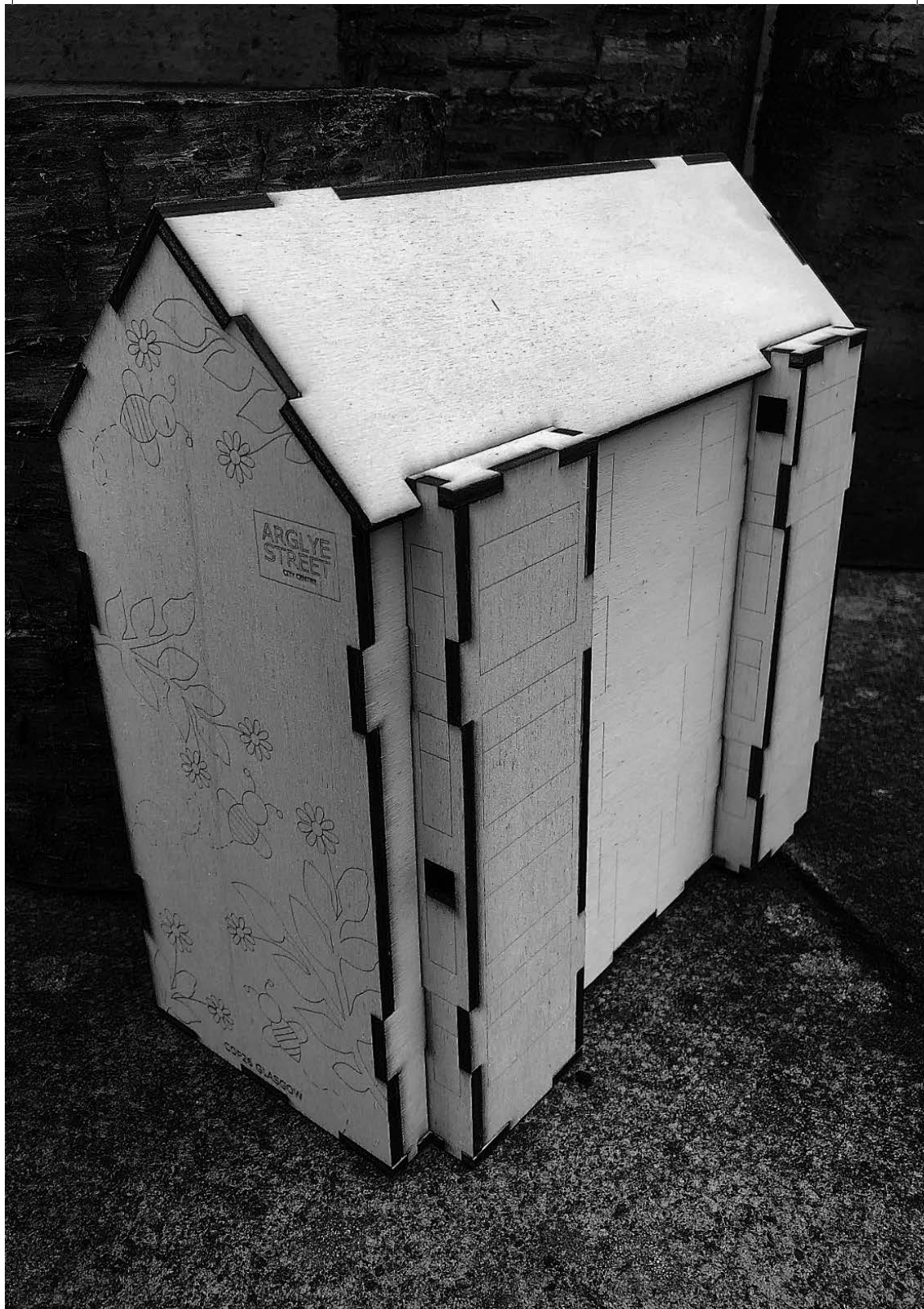
Recycled Green Glass Monocle

Craig Smith and Maria Loughlin

Creating a souvenir for COP26 was an opportunity that we found to be exciting and allowed us to get involved in the event. After some ideation we focused our efforts towards creating something that makes you think green, see green and highlights Glasgow's involvement.

The result, a monocle made of repurposed green glass. If looked through the environment is placed under a green lens, highlighting greenery, and symbolising a greener world. The monocle is used as a green cover for an image relating to Glasgow such as iconic architecture and sights , ensuring

that the monocle is always portraying a message.



Flatpack Glasgow Tenement Bee House

Katie Taylor and Martin Cross

Initially when we thought about Glasgow buildings, we focused on famous landmarks and venues where the COP26 events will take place. However, there was another iconic Glasgow architectural feature that is simpler - the sandstone tenement home, with 21,000 homes built between 1872-1876 alone. The tenement is a proper dwelling - so it's an appropriate bee "home".

Reflecting the aims of COP26, the bee house is a sustainably designed home requiring no glue or material for assembly, and easily transportable. With a life beyond the mantelpiece, COP26 delegates can take it

home, construct it and hang it outside their home. Bees are pollinators to our crops and the planet we call 'home', with the idea behind the design to protect nature and the environment lived in for a sustainable future.

As can be seen on the side is a bee mural, not only to give context but as another connection to Glasgow with similar murals painted on gable ends throughout the city. Each souvenir is unique, each with a different street name etched as this was most fitting with tenement dwellings spread throughout the city of Glasgow.

“Destination Glasgow” Luggage Tags

Ami Graham & Lesley Beattie

For our Glasgow souvenir we wanted to produce something functional and reusable. With so many people travelling to the city for COP26, we thought that luggage tags would be an appropriate choice. As much as possible, we wanted to use locally sourced, recycled and natural materials. Our tags are crafted from oak and steel from old whisky barrels from a whisky bond in the Springburn area of Glasgow and we use natural hemp to attach the tags to the luggage.

Finally, we wanted to reflect Glasgow in our designs. Our “Glasgow Underground” tag maps Glasgow’s subway

system showing stations and nearby landmarks. The subway opened in 1896 and is the 3rd oldest in the world.

Our “Destination Glasgow” luggage tags contrast Glasgow’s industrial past with modern day Glasgow, which in 2020 received the UN-backed Global Green City Award.

Attached to our tags is a smaller oak disc with a QR code. Scanning this will take you to our Instagram page containing links to further information about the city of Glasgow, and the story behind making our tags.



Reflections

"I liked the experience of producing something tangible... this is something I will pursue in the future."

"This experience has been very beneficial as I continue my degree and future career path."

I followed a new design methodology throughout this project... which I now have experience with so I could use this in future projects."

"The techniques discussed in structuring a design process was beneficial."

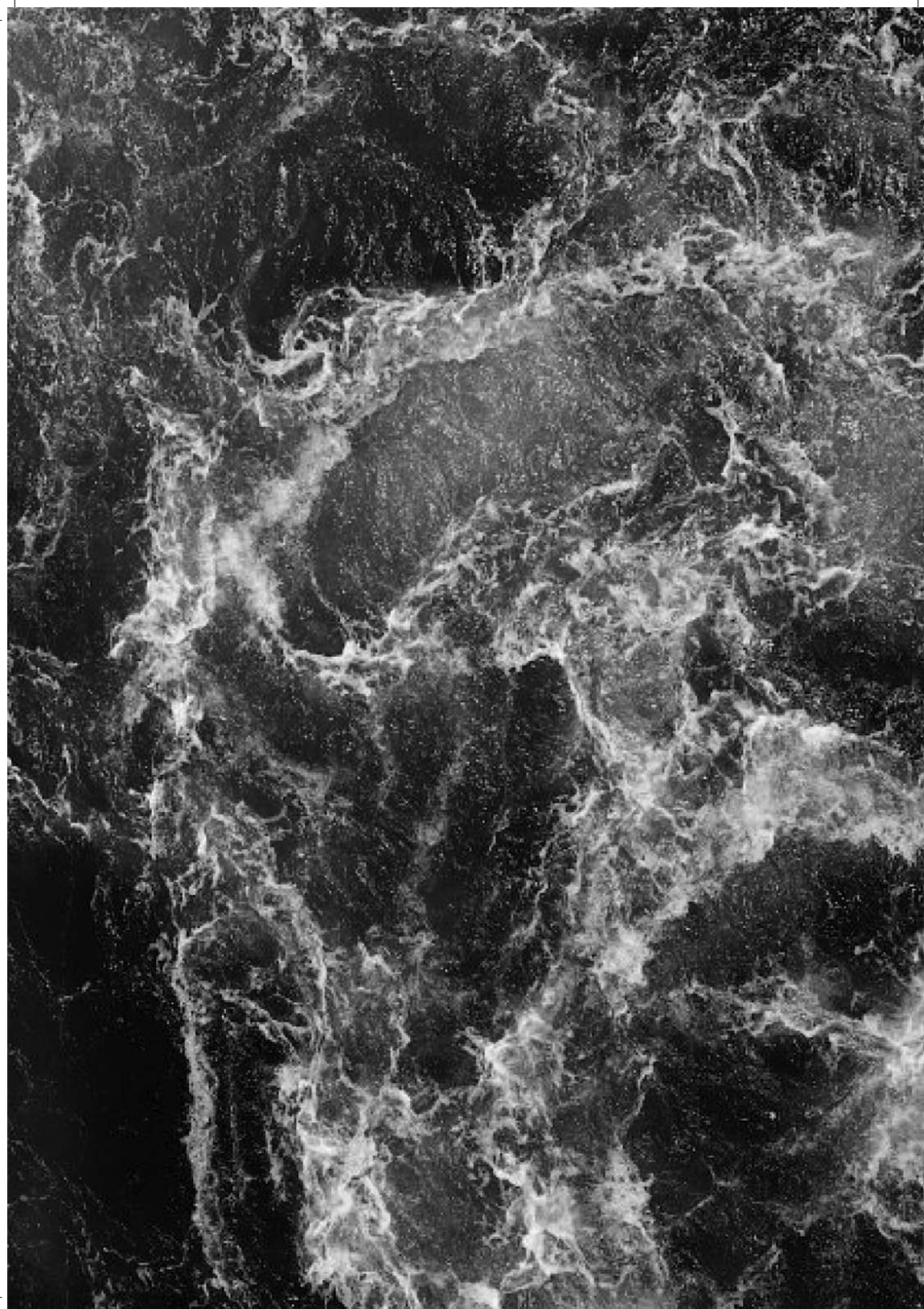
"I'd love to use the design department again to make some more similar(or different) things."

"I enjoyed working with my partner, formulating a design for the project, creating prototypes, ironing out problems and finalising the design. I also enjoyed using equipment in the workshop and the satisfaction of finally creating the souvenir we had designed."

"The interaction and bouncing ideas about the design, also the design reviews and feedback / discussion about the ideas. The mini lectures that Paul did early on were really interesting."

"We got on very well and could bounce ideas of each other. Although we came to the project with different ideas, there was no disagreement over the final design."

"I would definitely participate in a project like this again given the chance."



Acknowledgements

This project has been an enormous success for all of the University of Strathclyde Centre for Lifelong Learning and Design, Manufacturing and Engineering Management (DMEM) students. This success is down to the hard work of the students involved, but they have also enjoyed an amazing level of support from the following people:

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Alix McDonald
Caroline McGuire

Design projects such as this one are always highly collaborative in nature and involve contributions from many people. This project is no exception. I hope you enjoy the Glasgow Souvenirs that have been co-designed and manufactured over the summer months of 2021 as much as the creators enjoyed their time making them.

Professor Paul Rodgers
University of Strathclyde,
Design, Manufacturing and Engineering Management
(DMEM)





Project Review Workshop

University of
Strathclyde
Glasgow

