



THE NEW WAVE



- Welcome

The Department of Architecture and the Built Environment, where the UWE Bristol School of Product Design sits, continues its ambitious journey to become the industry preference that offers a multi-disciplinary suite of design, architecture and built environment programmes that understand and respond to today's industry challenges. The School has positioned itself to become a trans-disciplinary model for the ever changing and complex future design environment.

The dedicated, committed and ambitious team of academics, technicians and associate lecturers continue to build and develop the school's identity that is appreciated by our students and more importantly by industry. Energy, dynamism and the reflective assessment of our own practices have been the components of a thriving design school.

The fantastic and cheeky UWE Bristol Product Design Graduates 2019 continue to show fabulous talent through their designs. This year they have engaged in a live project with Herman Miller. The project has sought to encourage and strengthen knowledge exchange and co-creation between our product design programmes and industry, with the intention of making a positive impact in the design field.

We would like to thank the product design team as well as the graduating students for their enthusiasm, dedication and hard-work.

We hope you will enjoy their fabulous work!

Elena Marco

Head of Department



- Product Design Technology

Product Design Technology graduates use both technical and creative skills to turn their concepts into innovative products. Our Product Design Technology degree combines Product Design and Design Engineering. The blend of creativity and practicality developed on this course gives graduates the rare and highly valued skills to create original and exciting concepts and to transform them into real, working commercially viable products.

Product Design Technology projects all start with real-world problems, understanding people and their needs. Innovative solutions are developed through concept sketching, making working prototypes, engineering analysis, CAD, design for manufacture and beyond.

Graduates of UWE Bristol Product Design are confident communicators and innovative designers, who are able to use their understanding of technology, sustainability, and materials to solve human-centred design problems. The breadth and depth of this course gives them the tools to succeed in industry or their own business ventures. Product Design Technology is accredited by the Institute of Engineering Designers (iED).

- Creative Product Design

Creative Product Design graduates are highly skilled creative problem solvers with an empathetic understanding of people. Creative Product Design instils graduates with the confidence and ability to take risks, challenge conventional thinking and design products, services and user experiences which surprise and delight.

At the heart of Creative Product Design at UWE Bristol is studio-based teaching, consisting of small friendly groups learning from tutors with extensive industry expertise. Through real-world design projects, students learn about form, user-centred design, sustainability and materials, working on projects in our well-equipped design studio.

Graduates of Creative Product Design have strong transferable skills, allowing them to have successful careers in Product Design and across the creative industries, including; service design, graphic design, user experience design, brand consultancy, retail design, design research, marketing and packaging design. The diversity of skills and experience gained make them highly employable as designers and prepared to succeed in their own business ventures. Creative Product Design is accredited by the Institute of Engineering Designers (iED).

CREATIVE PRODUCT DESIGN

Jesutunumidun Adebajo
Benjamin Capern
Emma Davies
Harry Easton
Mary Heenan
Imogen Humphries
Olivia Hutchings
John James
Magdalena Leszczyc
George Littlefield

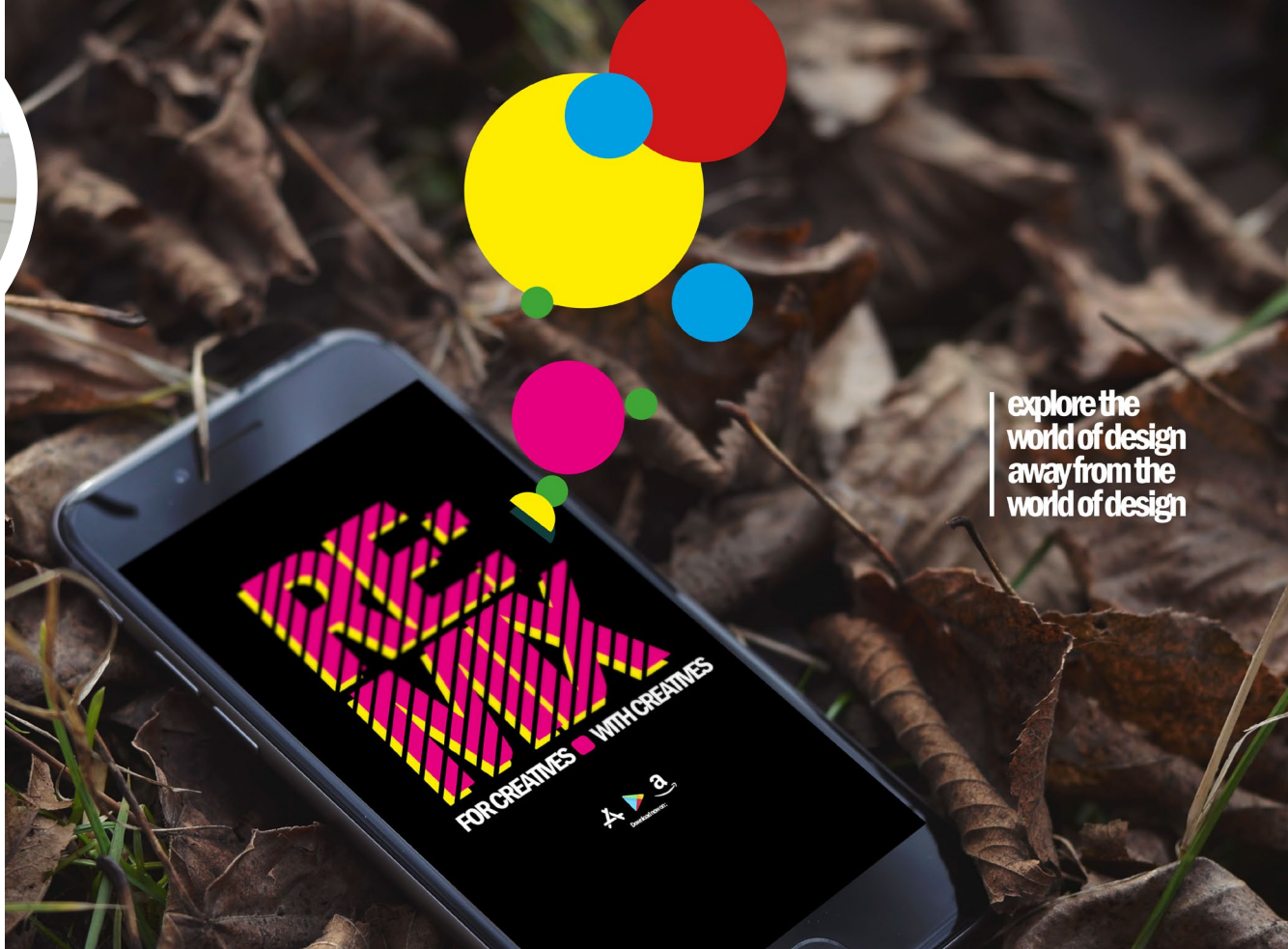
Owen Moseley
Amber Munday
James Norris
Sophie Pitt
Róisín Randall
James Rogers
Andrew Scutt
Eleanor Seal
James Sheppy



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Remix is a mobile app and service that aims to improve confidence around idea generation and other topics on the Design Thinking spectrum. By using gamifying features and strong visual communication, this service aims to challenge users in a fun way, stimulating the way they approach briefs and helping students to find the right way suited for them to work through a problem.



explore the
world of design
away from the
world of design

aura

AURA

Care collectively.



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Capern**

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Aura is a product designed to aid social isolation and improve wellbeing for a diverse set of situations. It helps families fit communication in with busy lifestyles, increasing the importance and value of communication, encouraging us to reach out and talk.



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Natural Eye is designed with both the well-being of our planet and its users in mind. It is a solution to reduce plastic waste in the cosmetics industry by providing consumers with the means to create sustainable and 100% natural mascara with the home-making kits provided within the service.



Honeycomb



**Harry
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Honeycomb is a portable, free standing workspace divider, designed to give the user their own customisable personal workspace within a shared desk. Honeycomb allows users to switch between individual working mode and collaborative working mode effortlessly.



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crEATe is a lunch box subscription service designed for kids and their parents. It allows children to make their own dinosaur themed lunch by providing the nutritional ingredients and tools necessary, delivered to their doorstep.



crEATe.
Filling lunchboxes with fun.



**Imogen
Humphries**

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Aquo is an environmentally friendly pouch made from Potato Starch which contains still mineral water, perfect to grab On-The-Go. The pouch is 100% decomposable, breaking down within 3 months, leaving no environmental damage when disposed of.



**Olivia
Hutchings**

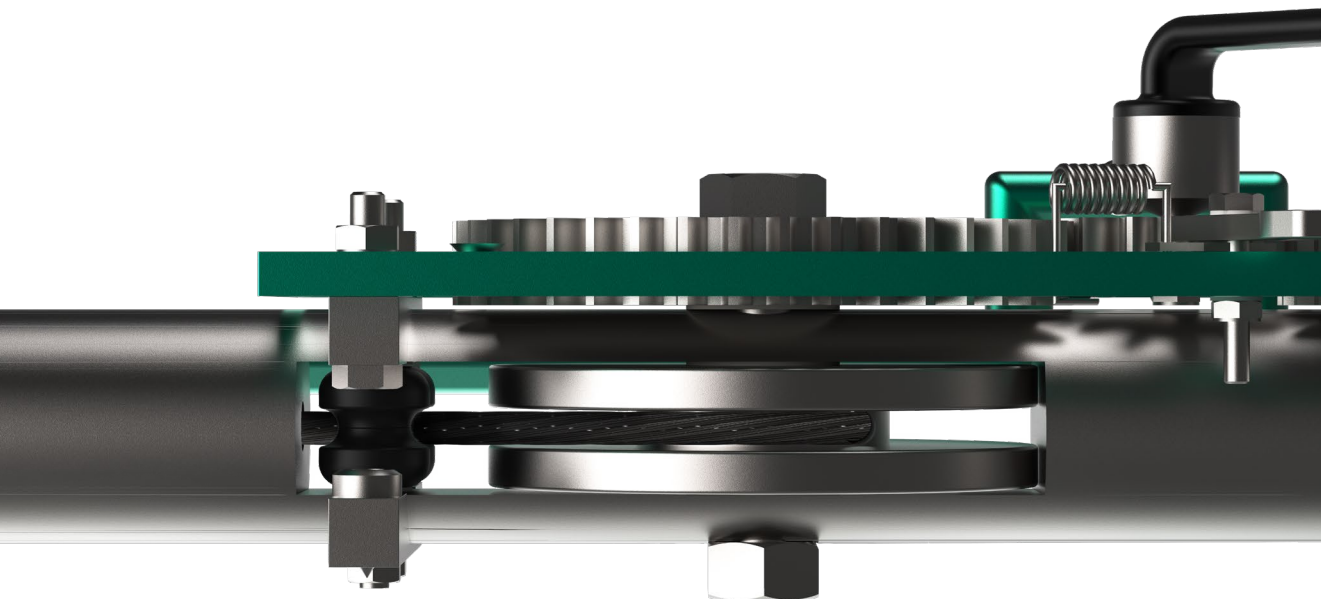
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'Aspire' is a soft ballet training shoe for beginners to pointe work. The shoe ensures the correct ballet technique of 'feeling through the shoe' is established at an early stage of training. To do this the soft shoe comes with three pairs of interchangeable 'pointes', so that the dancer can cater their training requirements whilst dancing comfortably and safely.





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Sentinel is a stand-alone safety barbell which allows the user to release the weights loaded onto it; freeing them from a stuck and pinned scenario. It uses a uniquely designed winch mechanism to hold standard weighted plates in place. It is designed to be reliable, sustainable and meet industry standards.



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BeelnHarmony is an innovative product that combines high quality instrumental musical qualities with an inclusive, fun and engaging game. Every melody played on BeelnHarmony is designed to sound harmonious and relaxing.





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Urban Sprout is designed to empower and support users in their quest to grow indoor houseplants from a very early stage. Utilising a mixture of augmented reality and artificial intelligence, the user receives a tailored kit, delivered to their door. Welcome to plant parenthood.



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PYRA is a portable, Bio-ethanol powered space heater that combines sophisticated design with green energy. The design uses an intelligent 360° heat output system for maximum efficiency. With the effects of fires being known to lower blood pressure, PYRA captures the visual aesthetic of fire to deliver stimulating comfort to users.





Amber Munday

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Meet Boka, the work surface food waste processor. It breaks down your food waste in less than two weeks, using the traditional Japanese Fermentation method known as Bokashi, it also simultaneously grows plants to put back on your plate. This design aims to tackle food waste ending up in land fill as well as changing people's behaviour surrounding the topic.



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Re-Use is a movement that single-use plastic will one day be a thing of the past. Supermarkets put pre-packed fruit and vegetables next to loose versions of themselves. This unnecessary use of single-use packaging needs to stop or our plants won't be recognisable for much longer, so this is why I designed Re-Use.





Keeping your community in the loop



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Loop is an adaptable seating space to provide the public with freedom to customise, socialise and enjoy the outdoors. More than just a seating area, this interactive design is designed to bring people together and away from technology - it's a meeting point, a landmark and a new way of building a positive environment for the city...
Keeping your community in the Loop.



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Fiber is a laundry basket system that cuts out several steps of the laundry routine, making washing clothes sustainably easier for the user. Subsequently, this reduces the number of microfibers lost during the washing cycle and ending up in the ocean. All of this is encompassed within a chair for your bedroom.



FIBER

*reforming the bond between humans
and the planet*





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PetWatch is a service with the intention of reducing the number of behavioural traits in dogs around the UK. Behavioural traits form when dogs are alone for long periods of time and can develop anxiety and depression. PetWatch allows a dog owner to video call their pet, breaking up the time the dog is left in isolation.



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Hantverk is a circular approach to buying and selling second hand furniture while equipping consumers with the tools and confidence to repair or up-cycle furniture. Changing perceptions on what is functional and valuable allowing everything we own to form a connection and story. The new face of second hand.



PebblePal.

Your route to a better night's sleep starts here.



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Seal**

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PebblePal carefully combines technology with nature to encourage the practice of a healthy bedtime routine in adults. Each day via the app, users select 'wind down' activities to complete before bed. Come night time, phones are set aside and users are guided screen-free through their chosen routine by the accompanying PebbleStack.



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VitaPill is an elegantly designed, personal, and portable blender. Created with the idea to relieve dependency on single use plastics when buying pre-blended products. VitaPill improves upon existing “blend-in-the-bottle” solutions. VitaPill allows you to get a fruit fix throughout a day of work, sport, and social activities.



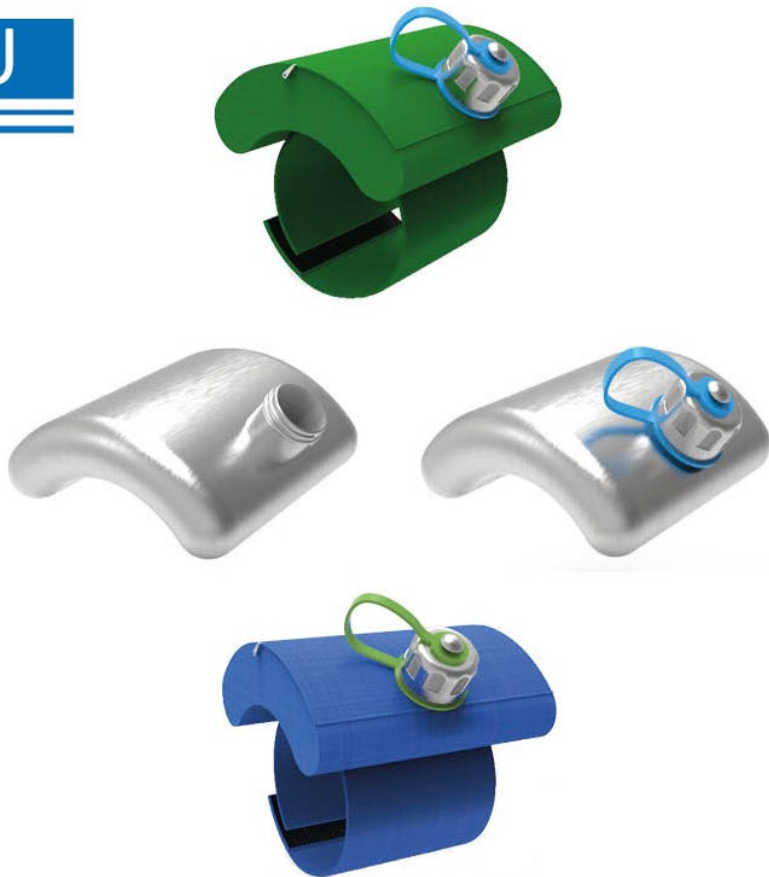


PRODUCT DESIGN TECHNOLOGY

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Jack Bates
Charles Bradley
Richard Channing
George Cooper
Jack Cordery
Lukasz Staszewski
Thomas Elwes
Jack Gormley

Hugo Harvey
Dominic Heyland
Maximilian Jackson
Toby Nalder
Luke Parfrey
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H2U is a wearable water container for fitness runners. The design ensures that the product is comfortable and easy to use. Many fitness runners don't carry a water bottle due to discomfort. This increases the risk of dehydration. H2U wearable water container aims to provide runners with prompt cool water and an enjoyable running experience.

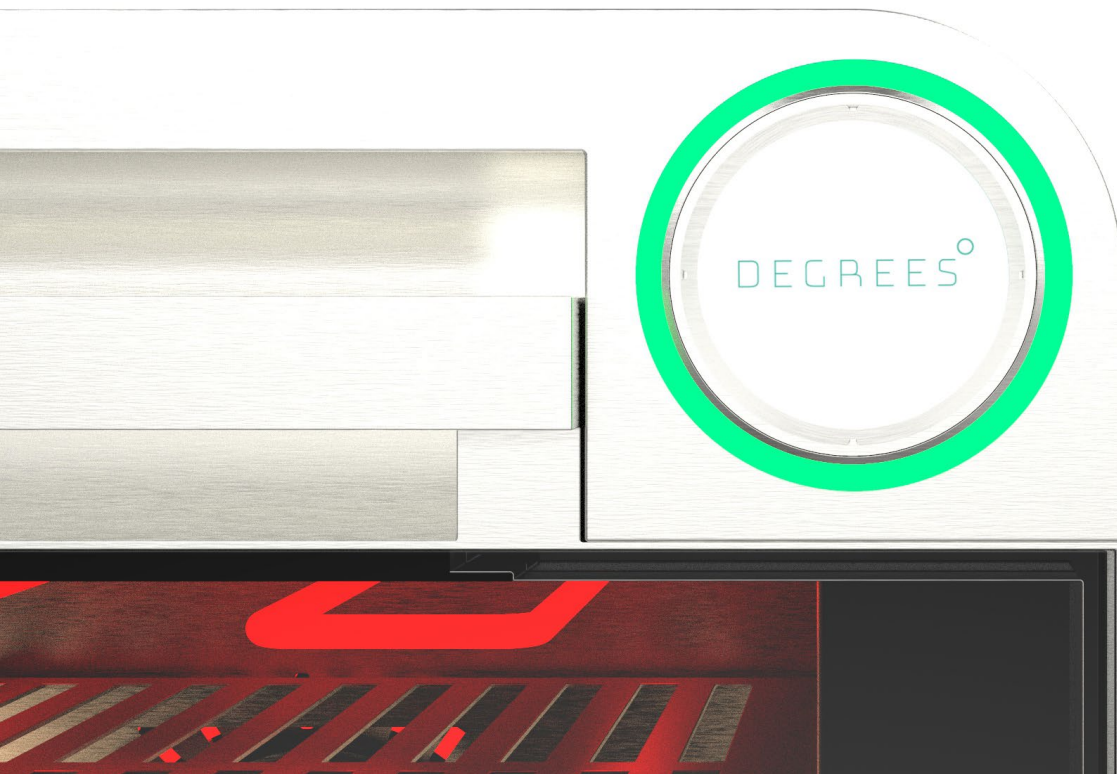


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The core vision of Vivid is to make time accessible to all, equal consideration for both sighted and visually impaired individuals. The Timepiece features twelve raised markers that are felt by touch. The left side for hours and the right for minutes, with an AM/PM indicator at the top of the face.





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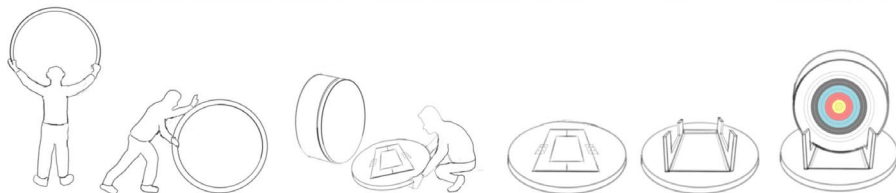
Designed for intuitu. Built for safety. Degrees Smart Oven incorporates additional sensors to make cooking a relaxing, enjoyable and intuitive experience. With the interactive and customisable portable dial, users are able to move about whilst cooking, safe in the knowledge that their food will not burn without prior warning.

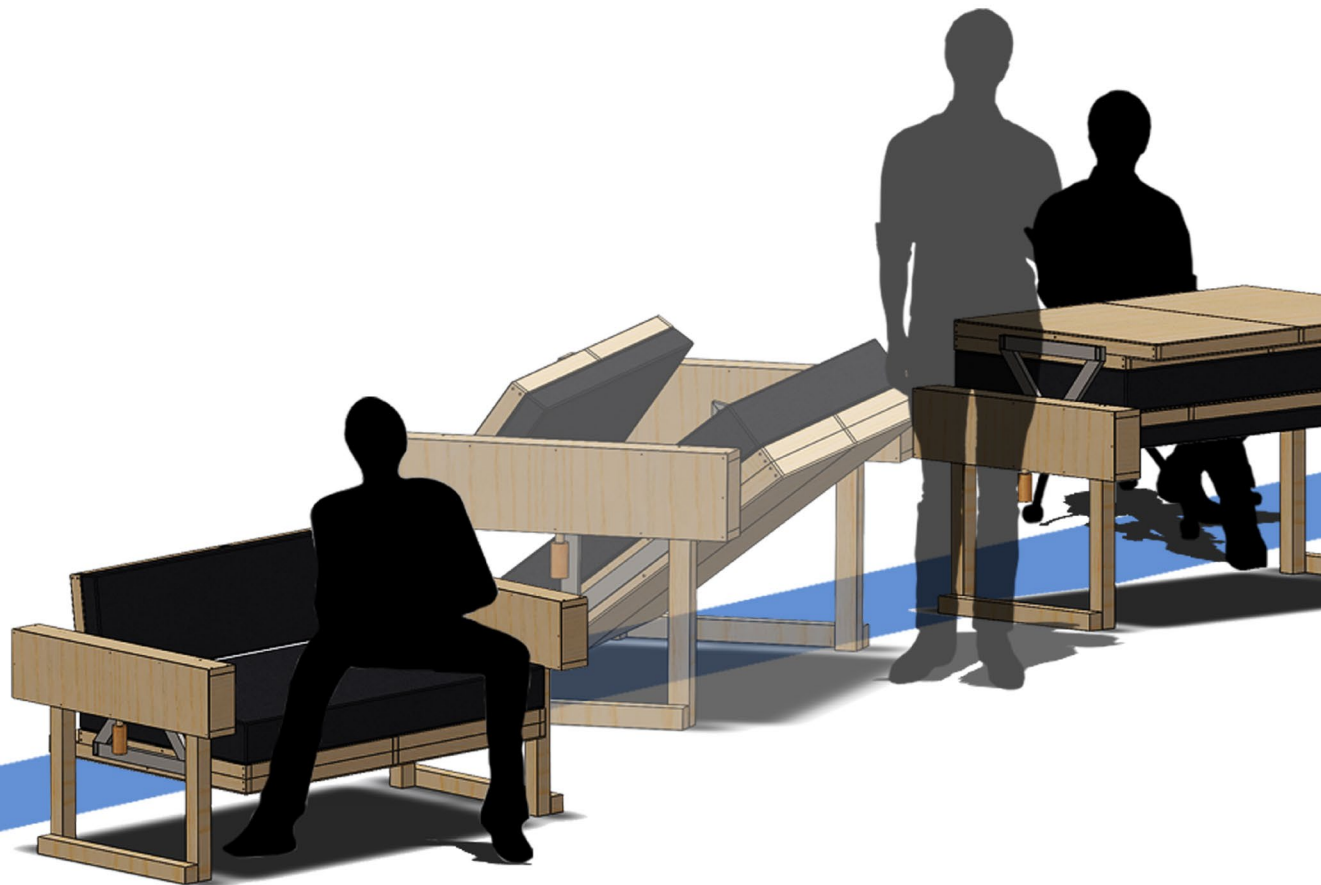


**Richard
Channing**

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The SCOPUM archery target combines the portability of straw targets and the lightweight, easy to replace, aspects of foam boss archery targets. SCOPUM is wall mountable for storage, then roll to the desired position, lower the back which then acts as a stand to begin shooting. SCOPUM also allows for replacement of its layered foam centre to allow for a long sustainable life.





**George
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Blending both a table and a sofa into one product, ZETA allows its users to change the function of a room from relaxing to dining and then back again in just a few seconds. Aimed at people who live in homes with limited available space, ZETA helps its users feel comfortable by reducing the overall space consumed by furnishings.



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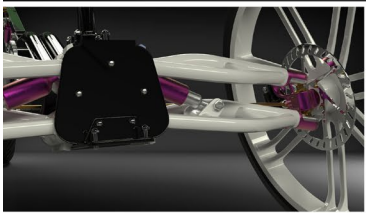
An Electric assisted cargo trike with complex leaning suspension system. Semi-recumbent seating and maintenance free drive-train. The battery is custom made with twice the capacity of current leading E-Trikes. Featuring integrated lights, 150 Litres of storage & carbon fibre hood, seat and mirrors the Navis is truly a luxury offering.

NAVIS

ELECTRIC ASSISTED LEANING CARGO TRIKE



INTEGRATED LIGHTS



LEANING SUSPENSION



MAINTENANCE FREE





**Lukasz
Staszewski**

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Cyclewing Logger is a data logging system that measures close overtakes of cyclists by cars. The device can record the position of each overtake and mark them on an interactive map so areas of high danger can be identified to promote safer cycling in cities.



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Make custom glasses with Opti-press. Using a simple pressing technique it is possible for anyone to use their recyclable plastic to make something different. Start off by choosing online the frames you want to create. Choose the dimensions that fit your face shape. A customised mould will be manufactured to create the frames you have chosen. Have fun with experimenting with melting plastic and creating new things.





Jack Gormley

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The Cinch lacing system allows hassle free and secure lacing for older adults looking to get outside and remain on top of their health. Using wireless lacing technology, any sports shoe can be converted into a hands free lacing experience, negating the hassles of reaching down to tie shoes and fiddling with laces.



**Hugo
Harvey**

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Parcelpak is a smart, versatile and secure parcel bag that makes home deliveries hassle free. A smartphone enabled lock makes it easy for delivery drivers to open, while the strong 3 layer bag design is tough against thieves.





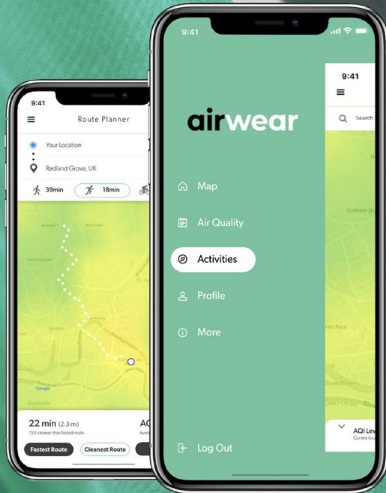
Keeping you up-to date with real time air quality levels



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Airband is a wearable air quality assistant which keeps users up-to-date with real-time air quality levels. It uses trusted environmentally sourced data to inform users of changes in air quality using a set of intuitive haptic vibrations. Airwear however can be used as a tool to create cleaner route alternatives and help users make informed decisions when trying to avoid areas with poor air quality.





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A new way of manufacturing performance skis has been developed, using structural designs, material and production processes, which together significantly reduce the impact on the environment, when compared to existing manufacturing methods.





Toby Nalder

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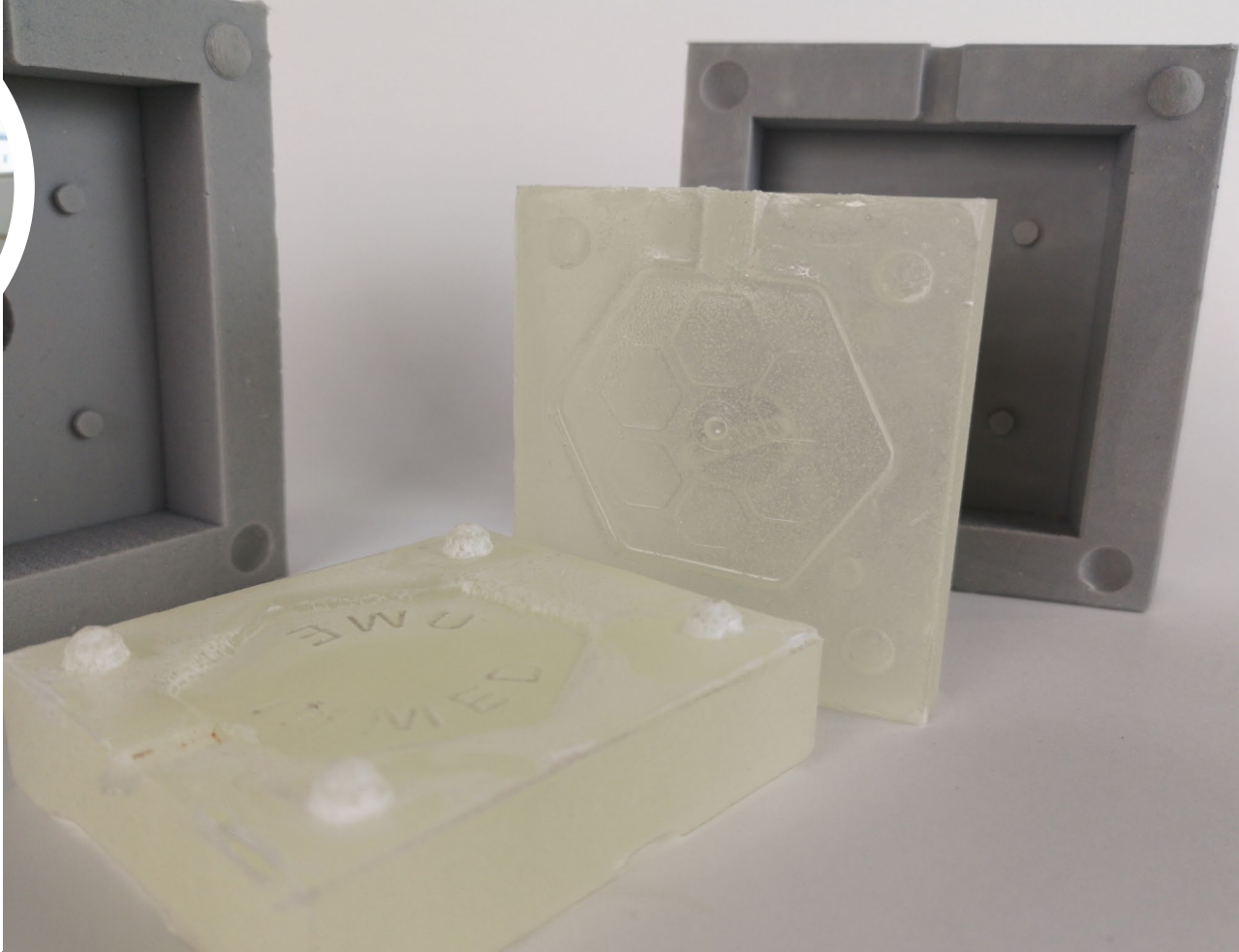
Luft Fork is road bike fork that prevents cyclists flying over the handlebars when they unexpectedly hit a pothole. Using CO₂ canisters already carried by cyclists, Luft Fork provides an air-bag like system which is invisible until it activates automatically using sensors and provides suspension until manually reset.



Ali
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Proto-Mould is a rapid prototyping system that helps teach you about injection moulding. Proto-Mould allows you to rapid prototype moulds and parts for injection moulding. With its clear resin moulds, Proto-Mould help students understand the principles of injection moulding while encouraging them to try designing and making moulds themselves.





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WHAT WILL YOU CREATE seeks to challenge perceptions on materials, specifically plastic. By giving users the tools and knowledge to create their own bioplastic creations it hopes to spark intrigue, excitement and conversation about the possibilities of future materials. The final material produced by the creator is free to take any form, can be set rigid or flexible, and is fully compostable.



- Herman Miller – Educational Furniture Live Project

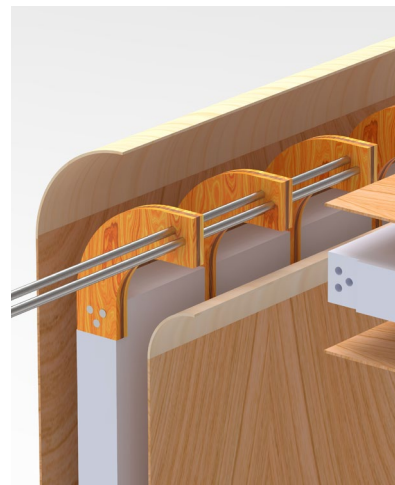
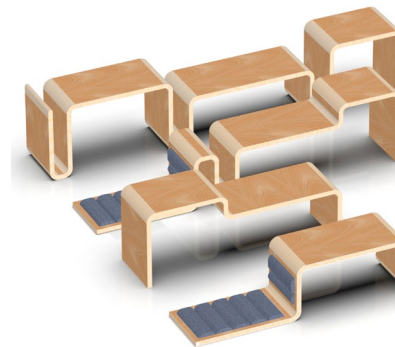
For three weeks in January the whole final year immersed themselves in the Studio 3 Live Project. In keeping with the Product Design courses' tradition of high quality external live clients, the project this year was run in partnership with Herman Miller, who are a globally renowned innovator in high quality contemporary interior furnishings.

We are very grateful to Lauren Bell, Head of Education EMEA at Herman Miller, who generously gave her time to help make this project happen, and provided us with a briefing to create the next generation of collaborative, adaptable and social learning spaces for higher education by designing the products and services for those learning spaces.

We had an enlightening tour of the fantastic show offices and factory of Herman Miller in Melksham. Including testing and interacting with Herman Miller furniture and spaces. Understanding their collaborative process with designers around the globe. Witness their approach to sustainability, people and the environment, how they strive for a circular approach in all their designs. It was fantastic opportunity to further understand Herman Miller, and incorporate their brand values into our own designs.

Three weeks later the teams presented their designs to Lauren Bell, of Herman Miller who said, "The professionalism was excellent; the amount of work put in was huge! I cannot wait to talk with my colleagues and show them your ideas. Thank you, this has been brilliant to see it all come together!"

We would like to thank Lauren Bell and Herman Miller once more for this fantastic opportunity. Please enjoy a small selection of the three-week project on the following pages.







- With Thanks

We would like to say a big thank you to all the staff at UWE Bristol for all their help and support. We're extremely grateful for the vast opportunities presented to us by our lecturers and our course, with the support of which we would not be able to collaborate in some fantastic live projects with external partners.

Best Wishes,
The Students of Product Design 2019

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Dr Richard Mawle
Phil Bommer

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Sophie Hills
Marc Andernach
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