

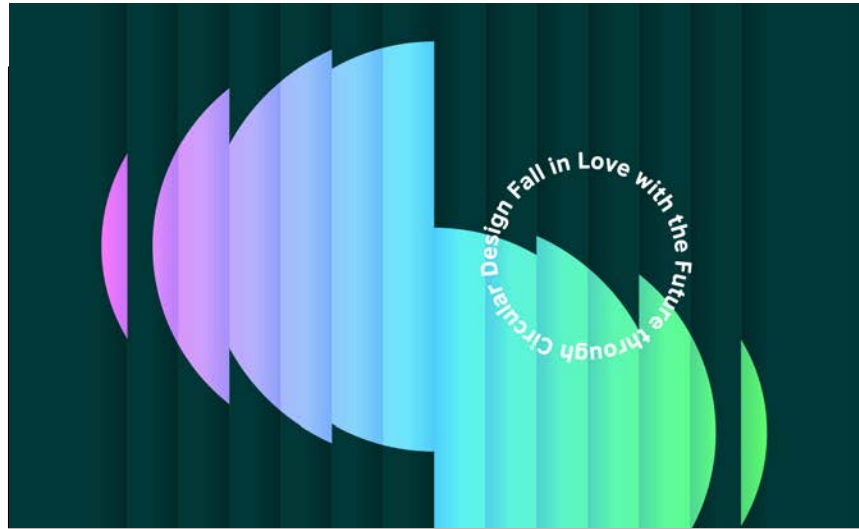
Key to hierarchy of the Circular Design wheel

Refuse + Rethink + Reduce = Actions which support the prevention of materials, or objects becoming waste. This part of the spectrum is about preventing the impact on the planet and is supporting designers to prevent.

Refurbish + Repair + Reuse = Actions which result from something falling out of use or being discarded, the result of waste. To become usable, any existing, extra elements, materials and knowledge can remain useful for as long as possible.

Remanufacture + Repurpose + Recycle = Actions which are the result of waste and the inability of a material to maintain useful capacity or value to human consumers and things.

Remine = Action of removing **Carbon** of a material, contributing to the production of excessive carbon through its disposal.



TV

column

Freestanding wall

BRITISH COUNCIL >>> Fall in Love with the Future through Circular Design
循环设计 致你所爱的未来

MAKING MATTERS
智造未来
循环设计挑战赛

China Design Challenge

Strategic partner: IMV, YGT
Co-organised by: MANCHESTER SCHOOL OF ART

Making Matters is British Council's global programme, aiming to foster a global dialogue around circular design. The multidisciplinary programme explores how principles of circular economy can be a catalyst for creativity, collaboration and regenerative thinking within architecture, product design and fashion practice.

We believe that circular design is enabling designers to develop new skills and creative thinking to address global challenges and climate change through design and with new tools, design thinking, resources and perspectives to be able to sustain our planet.

This year, in partnership with IM Motors, the British Council worked in collaboration with Manchester Metropolitan University School of Art in the UK and Young Green Tech in China to develop the Making Matters China Design Challenge, seeking to unlock the creative talent of future generations of designers through a student focused initiative. The Making Matters exhibition is a celebration of the China Design Challenge winners.

Extreme Ride

Li Xiaojun Mo Wanying Shen Yuhong
Tsinghua University
MERIT AWARD FOR TEAM ENTRY

Extreme Ride is an EV model with an SUV camping setup designed for urban nomads of Generation Z. The car is powered by clean energy and inspired by circular design to rethink how to utilise a vehicle inbetween journeys.

Reduce Reuse Recycle

This project utilised the Reduce + Reuse + Recycle tools on the Circular Design wheel.

How would you rethink the design of a vehicle as a space to spend free time?

Take a postcard + share your ideas!



Applying circular design to the recycling of lense thermosetting materials in optometry

Gao Jie and Duan Limin
Beijing Institute of Fashion Technology
GRAND CHAMPION for team entry

Focusing on environmental pollution in the optometry industry and the rising rate of myopia among children, customizable frames can be disassembled for repair or recycled into materials for 3D printing.

Repair Recycle

This project utilised the Repair + Recycle tools on the Circular Design wheel.

How could you rethink something that you wear or use to reduce waste?

Take a postcard + share your ideas!



POO-BANK

Liu Ruihong
Renmin University of China
MERIT AWARD for Individual Entry

The system and POO-BANK machine converts dog poop from a waste material into fertilizer. The intelligent device awards users who pick up and post dog poop into the machine, creating a psychological stimulation buzz for promoting positive behaviour change among young users.

Recycle

This project utilised the Recycle tool on the Circular Design wheel.

What every day routine could you improve using circular design tools?

Take a postcard + share your ideas!



Sustainable exploration program for aluminium metal production

Tu Junjie
Central Academy of Fine Arts
Grand Champion for Individual Entry

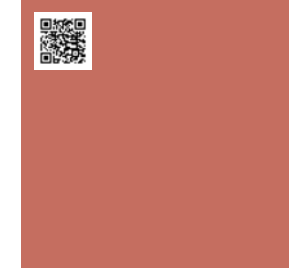
The project focused on red mud e-waste, a toxic mud from aluminum refining which is difficult to repurpose. Negative value industrial waste was repurposed into a raw material used to produce red mud chalk and pigment for economic value.

Re purpose

This project utilised the Repurpose tool on the Circular Economy wheel.

How could you rethink our reliance on landfill to reduce toxic greenhouse gases which contribute towards global warming?

Take a postcard + share your ideas!



Life in Wax

Liu Ziyi Zhang Ting Wang Qin
Shandong University of Finance and Economics
Gao Zixiang
University of Glasgow, UK
Commended

The project tackles pollution and waste from expired cosmetics by recycling wax from expired beauty care products to make scented candles and raise awareness of the recyclability of cosmetics.

Recycle

This project utilised the Recycle tool on the Circular Design wheel.

How could you use the Refuse tool to challenge cosmetic waste? What would that scenario look like?

Take a postcard + share your ideas!



Campus Waste Recycling Incentive Platform for Universities

Zhang Man
South China University of Technology
HIGHLY COMMENDED

The incentive scheme enables campus students to see tangible benefits from their change of recycling behaviour. Recycling is rewarded with students earning points to redeem trendy consumer products made from the waste collected.

Recycle

This project utilised the Recycle tool on the Circular Design wheel.

How could you use the Refuse tool to challenge campus waste? What would that system look like?

Take a postcard + share your ideas!



Be the Master of Your Own Memory

Jin Hongyi
Tsinghua University
COMMENDED

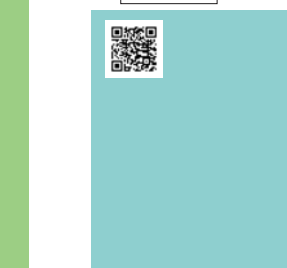
In light of today's information saturated age, the project highlights the impact of data storage on the environment and rethinks data storage systems to reduce energy consumption and give value to memories worth cherishing.

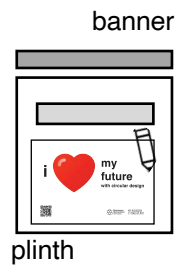
Rethink Reduce

This project utilised the Rethink + Reduce tool on the Circular Design wheel.

How could you use circular design to rethink the future of mobile phone design?

Take a postcard + share your ideas!



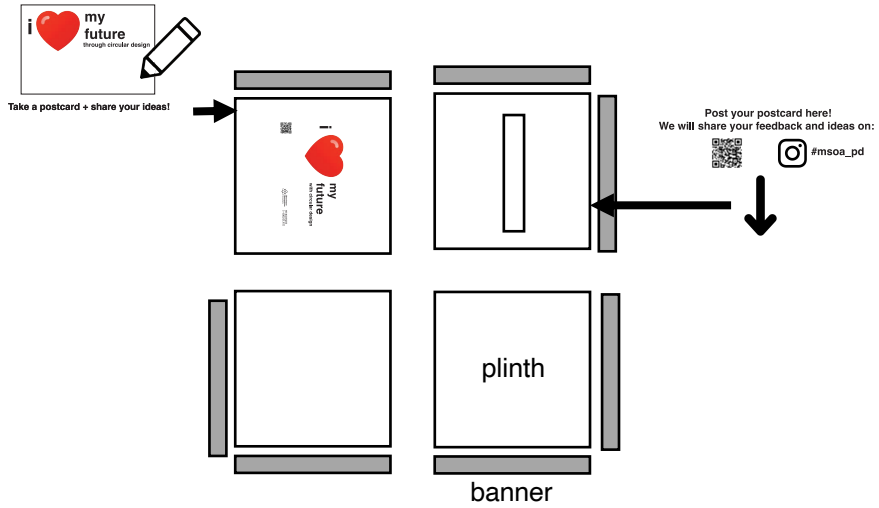


Banners attached to front of plinth

Plinths are upside down, lids made with postbox opening and area for feedback postcards for each plinth

Layout 1

TV



banner

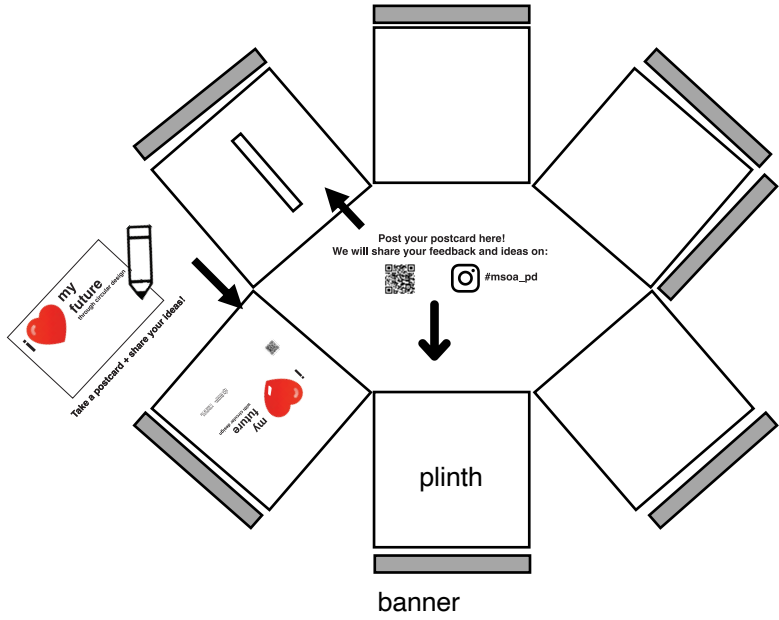
plinth

column

Freestanding wall

Layout 3

TV



banner

plinth

column

Freestanding wall

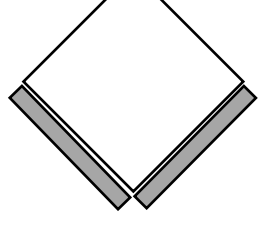
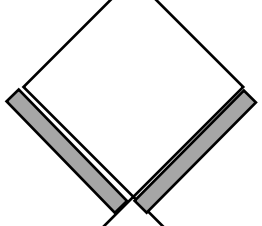
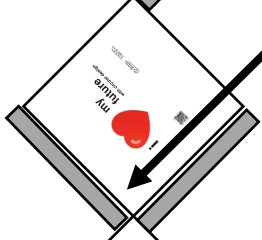
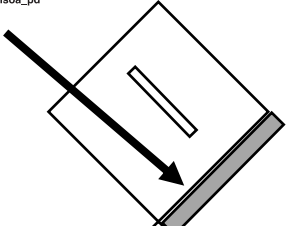
Layout 2

TV

Post your postcard here!
We will share your feedback and ideas on:



#msoa_pd

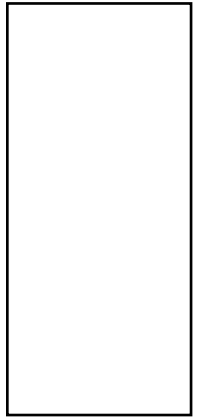


Take a postcard + share your ideas!

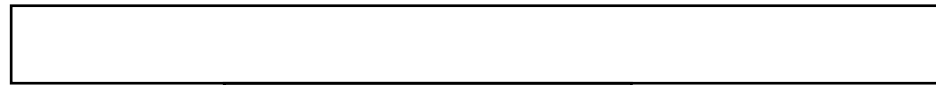


column

banner



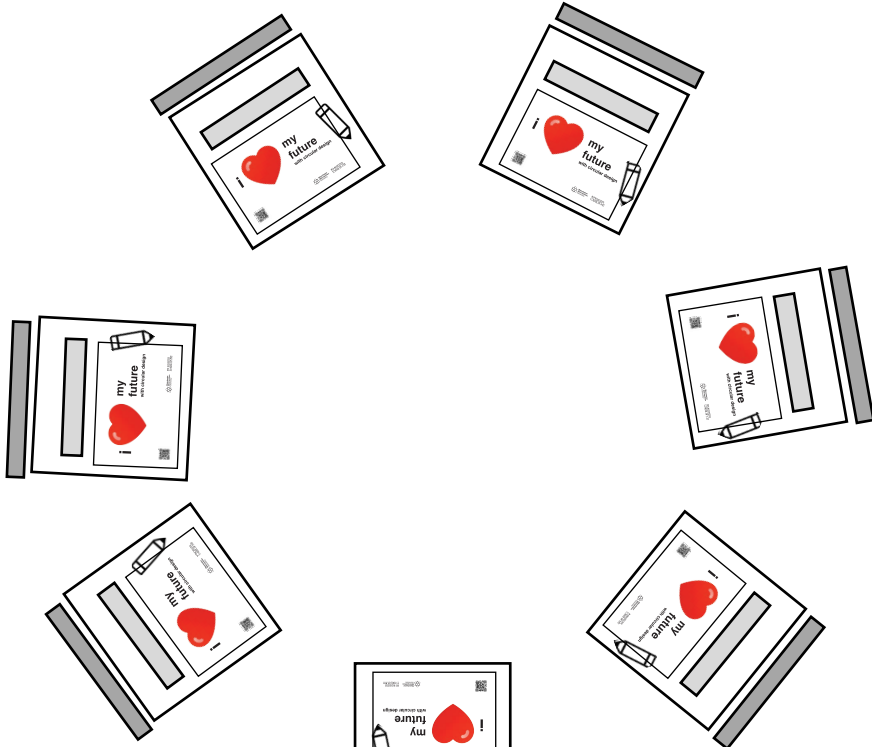
plinth



Freestanding wall

Layout 4

TV



plinth

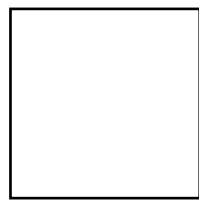
banner

banner

plinth



Freestanding wall



column