



Education **CENTRE** for **OUR PLANET**

COYO CHALLENGE 2021 - Design 'The COP'

STUDENT TEAM BRIEF



AFTER THE
PANDEMIC

classofyourown®

YOUR PLANET YOUR VOICE

Climate change is serious - it demands significant changes to the way we live.

How much do you know about it?

If it's not much, you're not alone. Statistics say very few young people know what's going on.

Maybe it's not delivered in a way that's interesting or digestible.

Maybe the science goes over your head.

Maybe the focus on Covid and Brexit, having to stay at home, not being able to see your school friends and do normal things, makes you switch off.

Or, maybe you do know about it, but think one person can't do anything to change the world.

Maybe you, and other young people like you, need a cool education centre that focuses on the future of our planet.



BE EXTRAORDINARY!

In August 2018, one 15-year-old Swedish student, Greta Thunberg, stood up for what she believed in.

She started a global wave of 'skolstrejk för klimatet'*.

By March 2019, she has inspired and empowered a global team of young climate activists.

Imagine what you can do!

TIME FOR BIG CHANGES

“The next ten years are the time to make the big changes.

The steps we can all take really add up and by starting now we can make our world recover again.”

Sir David Attenborough



In November 2021, the UK will host the 26th United Nations Climate Change ‘Conference of the Parties’ (COP26) at the Scottish Event Campus (SEC) in Glasgow, Scotland.

Thousands of people from all over the world, including heads of state, climate experts, scientists and campaigners, will come together to agree how the world can tackle climate change and achieve net zero.

Where do you, and other young people, go to get in on the action?



Click for info
on **COP26**

DESIGN THE COP

AN EDUCATION CENTRE
FOR OUR PLANET

We want you to design The COP - an exciting educational building where young people can explore the STEAM* of climate change.

A place for young people to highlight and drive the youth response to the global climate emergency.

It will be Glasgow's most sustainable, energy-efficient building - integrating smart sensor technology to monitor itself and the local environment.

Multi-functional, it will offer a wide range of activities, enabling children



PROJECT TEAM

Find out about the roles below and how they get involved in the design of a building.

Architect, Architectural Technologist, Structural Engineer, Civil Engineer, Building Services Engineer, Facilities Manager, Interior Designer, Landscape Architect, Project Manager & Quantity Surveyor.

Focus on them when
designing The COP

Collaborate in real life, or online - after all, your digital life is now part of your everyday life!

and young people of all ages to develop knowledge and skills as ambassadors and custodians of Planet Earth.

The COP will provide creative ways for young people to focus on the key scientific themes discussed at COP26:



Click to
FIND OUT MORE



**Clean
Transport**



**Nature
Solutions**



**Adaptation
& Resilience**



**Energy
Transition**

MAKE STEAM COOL YOUR FUTURE DEPENDS ON IT



What activities in The COP will empower children and young people to transform our future on our planet?

Think about those who might not ordinarily get involved in climate-focused issues.

Think about the cool and creative ways to inspire and empower young people to lead the way in addressing climate change.

How will you bring STEAM to life and solve the climate crisis?

#DesignTheCOP

INSPIRATION

AFTER THE
PANDEMIC

RETHINK. REIMAGINE. REDESIGN.

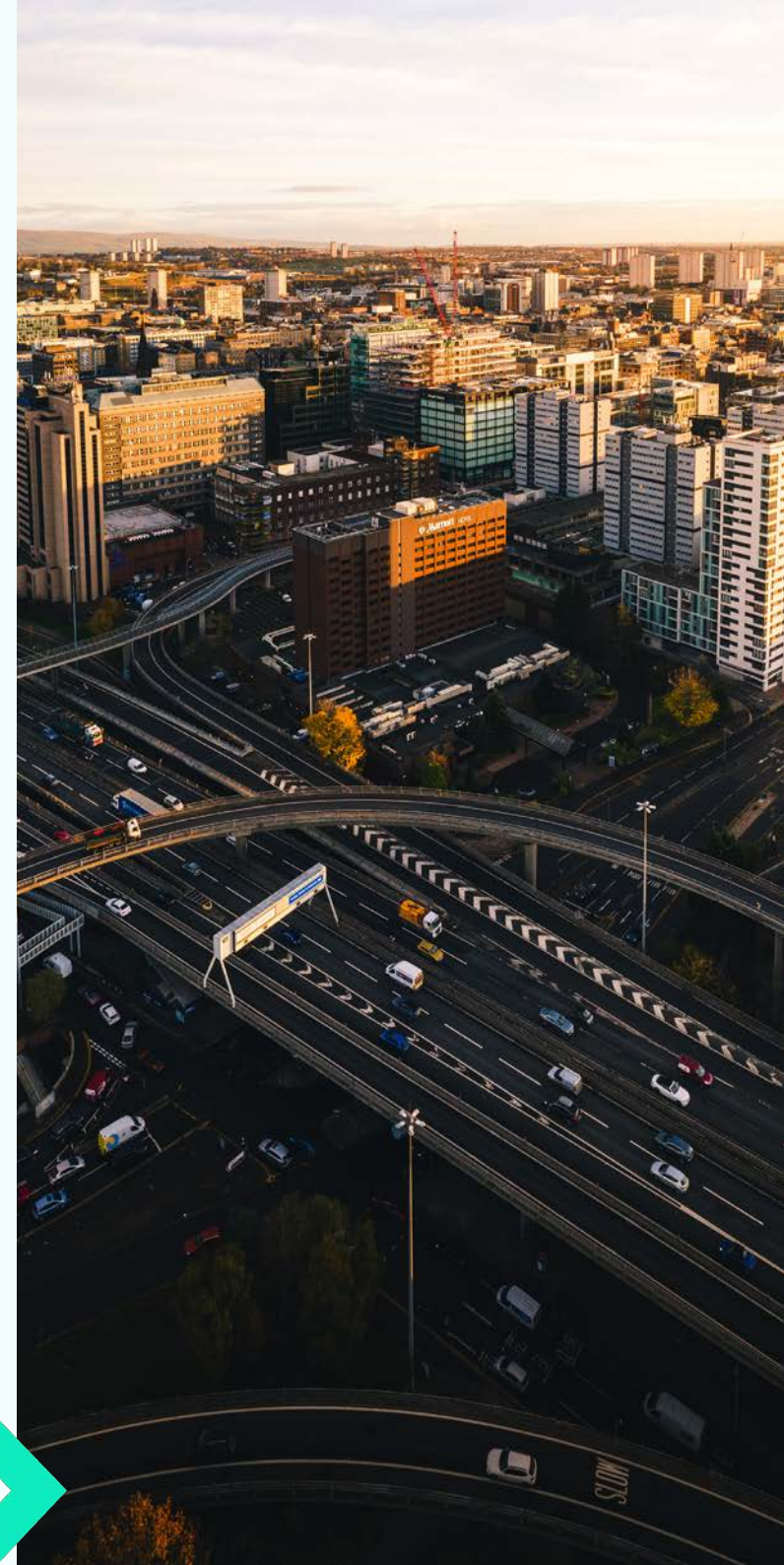
AFTER THE PANDEMIC is a social initiative working with local communities on creative projects to impact society, cities and the climate for the better.

The team is transforming 3000sqm of vacant land to create a cultural park to put Glasgow's community at the heart of the climate discussion. The park will host pavilions, exhibitions and events to respond directly to the climate emergency.

The Centre for Our Planet will be sited in the park to support the climate education of children and young people from Glasgow, Scotland and around the world in the run up to, and during the COP26 conference.



Click for info on
AFTER THE PANDEMIC



THE LOCATION



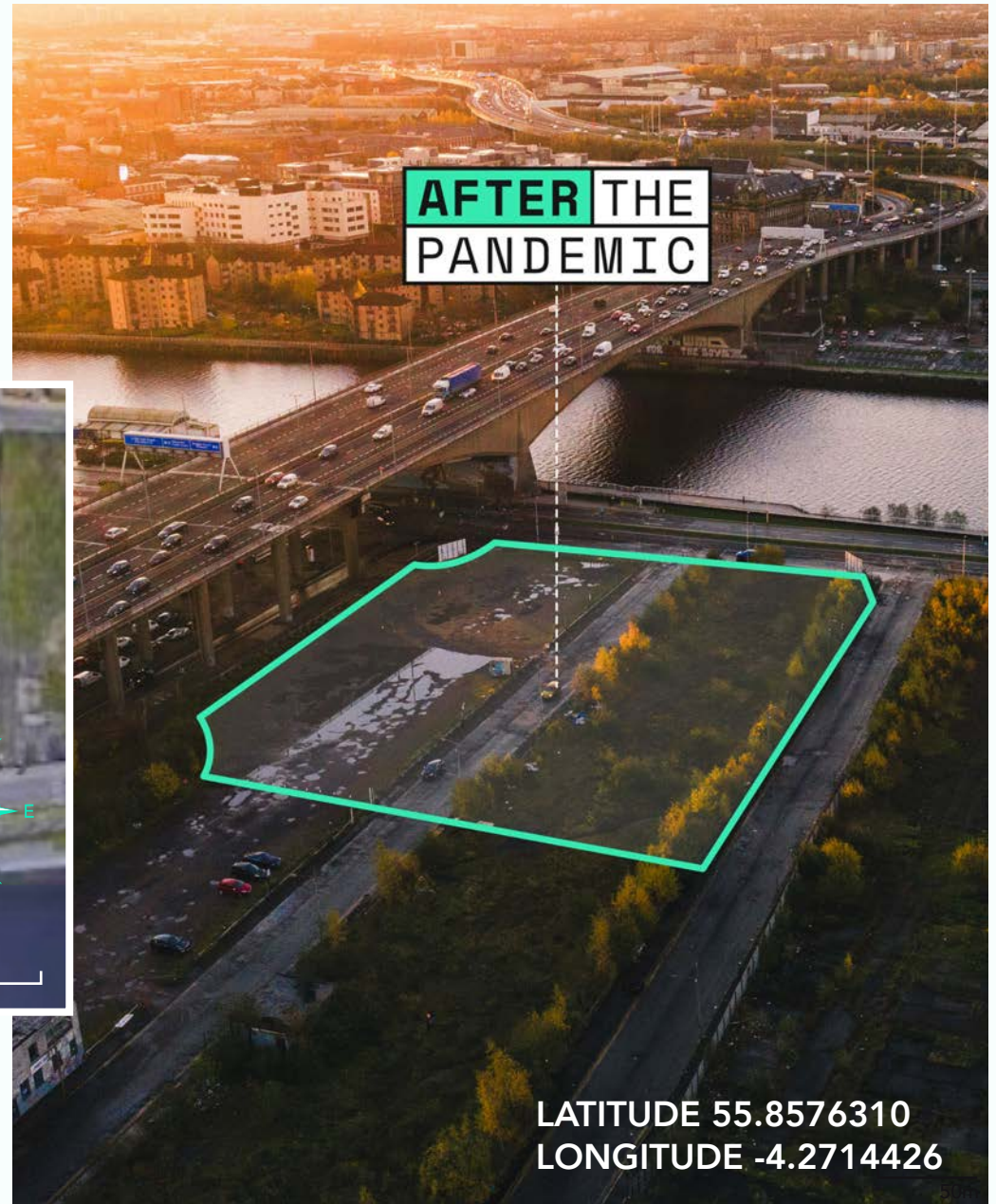
AFTER THE PANDEMIC has been granted access to vacant land less than one mile from the official COP26 venue in the run up to and during the conference.

The land belongs to Dandara Ltd who will be building homes on the site in three years.

Within this site, you've been allocated a defined plot for the Centre of Our Planet to design a space that will have legacy beyond the conference.

The site is half-way between Glasgow city centre and the SEC, which for the 12 days of COP26 will be the centre of the world.

THE SITE



A 30m x 30m area (marked in red) has been allocated to The COP and is located to the south-west of the site. Your building must not extend beyond this boundary

DELIVERABLES 1



Produce a professional report*

Tell us the purpose of the education
CENTRE for OUR PLANET (The COP):

Why is The COP important?

What activities will be delivered
to reflect the themes of COP26?

Who will deliver and support your activities?

How will you promote The COP and its activities?

Describe your building:

How will you ensure all children
and young people can use it?

How will they get there?

What is it made of?

How is it powered?

How will you measure its success and share this information?

What happens when it comes to the end of its life?

There are a few things to consider:

- The building site is situated by the Kingston Bridge in Glasgow, one of the busiest bridges in Europe.
- The site is adjacent to the River Clyde.
- The COP is an inclusive building, designed to promote health and well-being.
- The COP needs to be demountable to make way for an apartment block that will be built on site in three years time.
- The COP is a net zero building, promoting sustainable living.
- The COP is a smart building, using technology to help children and young people understand the climate and the environment.

*Maximum 8 sides of A4. You may include building plans and photographs of your concept model in an appendix.

DELIVERABLES 2



Digital concept model, plans and elevations

To really bring THE COP design to life (and make it easier for the judges to understand your ideas) your team should produce a concept model, floor plans and elevations.

If you don't have a computer, don't worry.

We are perfectly happy to receive hand-drawn sketch schemes. Your plans should be drawn to an appropriate scale.

Scale model

Create a scale model of your design using recycled materials - tell us what you used and show the scale you adopted.

Please send photographs of your digital and physical model with your initial entry.



If you make The COP Challenge finals, you will need to showcase your physical model, so think about its size and how you're going to carry it.

CHALLENGE PARTNERS

AFTER THE PANDEMIC is an accelerator for change, incubating ideas and enabling communities to collaborate on creative projects that impact societies, cities and the climate for the better.

Class Of Your Own believes in inspiring and empowering children and young people everywhere, so they can design, engineer and construct an extraordinary future.

Together, working with the best in education and industry, we're delighted to have brought this exciting challenge to you.

Kindly supported by:



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Fair
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 **UK SITE ENGINEERING LTD**

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Advancing Infrastructure

 **TOPCON**

HERIOT
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UNIVERSITY

CENTRE OF
EXCELLENCE IN
SMART CONSTRUCTION

 **BMT**

TIME TO REFLECT...

What did you LOVE about this challenge?

What did you learn about yourself, as you got a taste of life as a design, engineer and construction professional in the Digital Built Environment?

How do you feel about having a professional career imagining and creating real hotels, houses, hospitals, airports, roads, bridges and superstructures around the world?

There's so much more YOU can do at school or at home to experience life as a Digital Built Environment professional.



classofyourown®

**design...
engineer...
construct!®**

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LEARNING

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**CHOOSE YOUR NEXT
CHALLENGE...**

DESIGN A HOME FOR EVERYONE

DESIGN A RESTAURANT

DESIGN A RIVERSIDE FACILITY

DESIGN AN AFRICAN SCHOOL

DESIGN AN UNDERGROUND HOTEL

DESIGN STUDENT ACCOMMODATION

