

My Climate Path – COP26 Education Legacy

Design Engineer Construct! DYW Virtual Work Experience – Design a Net-Zero McDonald’s Restaurant

In partnership with Class Of Your Own (COYO), creators of the award-winning Design Engineer Construct! (“DEC!”) Learning Programme, pupils in **S3** are offered *My Climate Path’s* second education initiative – the **DEC! DYW Virtual Work Experience – Design a Net-Zero McDonald’s Restaurant**. A **free** Virtual Work Experience programme between **1st – 5th November 2021**.

My Climate Path

My Climate Path is a COP26 education legacy initiative for Scotland's young people created by Developing the Young Workforce (DYW) Glasgow, with DYW Lanarkshire & East Dunbartonshire and DYW West, proudly supported by Glasgow Chamber of Commerce and funded by Scottish Government. Find out more at www.myclimatepath.scot

My Climate Path supports the [Young Person's Guarantee](#) commitment to provide every 16-24 year old in Scotland with an opportunity that will positively impact their future.

Working with business, *My Climate Path* will inform and inspire our young people on the roles and skills required for the jobs of the future that will drive sustainable economic growth in a circular and a net zero economy.

DEC! DYW Virtual Work Experience – Design a Net-Zero McDonald’s Restaurant

Introduction

A bespoke DEC! DYW Virtual Work Experience week has been developed as the second education initiative to be launched under *My Climate Path*. *My Climate Path* can offer **500 funded places** to **S3** pupils in the DYW Glasgow, West and Lanarkshire & East Dunbartonshire regions.

The DEC! DYW Virtual Work Experience will inspire and raise the aspirations of young people to **consider Construction and the Built Environment as a valuable career path**. The learners will discover **real-world** applications of STEM and can access a whole range of exciting professional career pathways through strong industry and academic links.

Content

- In collaboration with COYO and McDonald’s, pupils will be challenged to **design a ‘Net Zero’ McDonald’s restaurant** for a local community.
- During the week, pupils will be introduced to the concept of ‘net zero’ design. They will be asked to design an inclusive, modern restaurant, with support throughout the week from industry professionals.
- Pupils will be required to produce a written report over the course of the week and submit this for moderation.
- Successful pupils will receive a **“DEC CONNECT Award” endorsed certificate**.

Alignment with Curriculum & Careers Advice

- The programme aligns with the **DYW Career Education Standard**.
- There are strong curriculum links to STEM subjects as well as English, Geography, Art, Design & Technology.
- Successful pupils will receive a “DEC CONNECT Award”.



- DEC CONNECT Awards are entry-level design challenges are for learners with little to no experience of the Built Environment – typically, but not exclusively, up to 16 years of age.
- Certified by TQUK and endorsed by Industry.
- DEC CONNECT Awards are mapped to International Baccalaureate MYP (Middle Years Programme) Design Curriculum for Year 3.
- Students can explore a range of professions, and DYW has **industry experts available to provide virtual or actual in-person support** as well as providing to insights into the following roles and career pathways:
 - Architect, Architectural Technologist, Structural Engineer, Civil Engineer, Building Services Engineer, Facilities Manager, Interior Designer, Landscape Architect, Project Manager, Land Surveyor & Quantity Surveyor.
- Aligning with **Sustainable Development Goals**, the themes of social, environmental and economic sustainability run throughout the programme.
- As part of the legacy of *My Climate Path*, we hope to work with schools to support the delivery of a DEC! qualification as part of the curriculum. Find out more here: <https://designengineerconstruct.com/qualifications/>

Logistics

- **Dates:** Monday 1st - Friday 5th November 2021
- **Times:** Suggested times of 09:30-16:30 daily (can complete tasks at home if required).
 - Pupils will need to be available to join two live daily broadcasts:
 - Informative films at 10am each morning.
 - Virtual Q&A sessions with industry professionals will take place at 2pm each day via **MS Teams**
 - Pupils and staff are encouraged to take a lunch of up to an hour each day, during which, live chat questions will not be responded to.
- **Format:** Virtual work experience week with two live sessions per day (10am and 2pm).
- **Cost for schools:** No cost (for first 500 pupils). 500 free places and student resource packs are funded under *My Climate Path*. First come first served.
- **Staff support:**
 - Pupils will need to be supported by a dedicated teacher during the week, who will be expected to meet with the pupils at the start and end of each day. This ensures pupils understand the day's tasks and to check they have completed them by the end of each day.
 - Student resource packs will be distributed directly to schools.
 - Teacher and DYW Coordinator briefings/CPD will be delivered prior to start date – see Key Dates table below.
- **Industry support:** Upon request, DYW can seek to arrange industry experts from the Construction and Built Environment industry to be available to provide virtual or actual in-person support/ career insights. COYO has offered to deliver bespoke DYW Coordinator and Industry Professional briefings if required – see Key Dates table below.
- **Target audience:** S3 pupils (though programme is suitable for up to 16-year-olds). Pupils can work in small teams or individually, but each must submit an individual report which meets the required standards, to receive their Award.
- **Suitability for pupils with ASN:** Class of Your Own has developed the DEC! DYW Virtual Work Experience to be an inclusive programme. We particularly welcome participants with ASN. Appropriate staff support will be required where necessary.
- **Student resources:** Student resource packs (including the Student Guide, Design Brief, Student Report Template and Teacher Guidance) will be issued directly to schools.



- **Platform:** Virtual. The programme will be hosted on Class Of Your Own's 'DEC School' virtual platform that allows pupils to interact safely and securely with industry professionals, using a monitored chat facility as well as providing access to a range of bespoke resources and watch informative films at 10am each morning. Virtual Q&A sessions with industry professionals will take place at 2pm each day via MS Teams.
- **Registration:** Via COYO MS Form **by 15:00 Mon 11th Oct:**
<https://forms.office.com/r/Nrss09aP8f>

Key Dates

Date	Time	Activity
Thursday 23 rd Sept 2021		Offer extended and link issued for teachers to register pupils
Monday 11 th October	15:00	Closing date for registrations
Monday 11 th October	-	Student resource packs issued to school for distribution
Tuesday 12 th October	09:00 - 10:00	DYW Coordinator and Industry Volunteer Briefing
Tuesday 12 th October	16:00 - 17:00	Teacher Briefing on content and logistics of Virtual Work Experience week.
Tuesday 26 th October	09:00 - 10:00*	DYW Coordinator and Industry Volunteer Briefing (*repeat session)
Tuesday 26 th October	16:00 - 17:00	Teacher Briefing – Tech session - Using 'DEC School' platform and MS Teams for Virtual Work Experience
Thurs 28 th October	16:00 - 17:00	Teacher Learning Opportunity / CPD – Saffron Grant from Setting Out For Construction has offered to a demo for teachers on how to mark out the area of the restaurant to support pupils in understanding space and orientation from a design perspective.
Monday 1 st November	09:30	Design a Net Zero McDonalds launch
Friday 5 th November	16:30	Design a Net Zero McDonalds close
Friday 12 th November	17:00	Completion of school standardisation and report submission
Friday 17 th December	17:00	COYO Moderation process complete
Monday 10 th January 2022		Certificates sent to schools