

CREATING A RECOGNISED PATHWAY FROM SCHOOL TO SURVEYOR

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*Presented at the EIC Working Week 2022
e-10 April 2022 in Brisbane Australia*



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A world-class learning programme
built for a 21st Century industry:

- Digital Technologies
- Modern Methods of Construction
- Sustainability and Net Zero
- Community Inclusion
- Social Responsibility and Value
- Long Term Legacy



DEC Primary

A groundbreaking programme for 4-11 year olds:

- Introduces the world of work to children at a young age to inspire, excite and educate them about their potential future life pathways before many stereotypes have formed about the jobs people do.
- Helps children, teachers and parents to understand the physical world through the built environment.
- Focus on sustainability emphasises the industry's efforts to develop innovations that solve new challenges, reduce carbon emissions and can endure over time.



DEC Primary pupils at Shrewsbury City Campus, Thailand

COYO Challenge 2025

Design a Nature-based Solution for your Local Community

IN OUR EXCITING CHALLENGE FOR SCHOOLS

Open to students aged 11-18 years



Look around your village, town or city.
What local issue needs fixing?

Your challenge is to find a way to solve it using ideas from nature.

Volunteer to support your local school

If you work in Architecture, Engineering, or Construction, your expertise can inspire the next generation!

Mentor our students, deliver a workshop, or share real-world insights – your support makes a REAL difference.

Volunteer with a school near your office or project and help young people discover a world of opportunity in the digital built environment.



REGISTER HERE

Claire McHugh, former DEC student and now Commercial Manager at Mace. As a proud [DEC Ambassador](#), she volunteers her time to inspire the next generation to follow in her footsteps.

DEC 'Discover' Awards



DEC **DISCOVER** Award
SOS: Sustainable Outreach Shelter

CHALLENGE BRIEF



DEC **DISCOVER** Award
Design a Rail Station Hub and Route

CHALLENGE BRIEF

In association with:

Bentley Education **cadventure**

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EDUCATING THE FUTURE OF CONSTRUCTION



DEC **DISCOVER** Award
Design a Jamie Oliver restaurant

"I hear you've got what it takes to design a restaurant!"

Ask your teacher to find out more and get involved

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♥ **JAMIE OLIVER**

Free introductory DEC projects for 10-18 year olds

DEC 'Connect' and 'Extend' Awards

DEC **CONNECT** Award
Design a Home for Everyone

DESIGN BRIEF

AWARD

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Government Property Function
design...engineer...construct!
Design an Office for the Future

DESIGN BRIEF

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BBC
DEC **EXTEND** Award
Design a Music Recording Studio and Live Performance Venue

DESIGN BRIEF

LONDON LEGACY DEVELOPMENT CORPORATION

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DEC **CONNECT** Award
Design The COP CENTRE for OUR PLANET

DESIGN BRIEF

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DEC **DISCOVER** Award
SOS: Sustainable Outreach Shelter

CHALLENGE BRIEF

ice M M
MOTT MACDONALD
CONSTRUCT

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DEC **CONNECT** Award
Design a Net Zero Neonatal Unit

DESIGN BRIEF

Bliss
Department of Health & Social Care
NHS

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DEC **EXTEND** Award
Design Student Accommodation

DESIGN BRIEF

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BRITISH SCIENCE WEEK
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Design a Natural History Visitor Centre

CHALLENGE BRIEF

In association with:
THE EDUCATION PEOPLE
Kendal Wildlife Centre

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Jamie's ITALIAN
DEC **CONNECT** Award
Design a Restaurant

DESIGN BRIEF

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DEC **CONNECT** Award
Design a Riverside Facility

DESIGN BRIEF

Tideway

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DEC **EXTEND** Award
Design an Underground Hotel

DESIGN BRIEF

Radisson Hotel Group
UNDERGROUND
TOP SECRET

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DEC **EXTEND** Award
Design a Net Zero Cricket Pavilion

DESIGN BRIEF

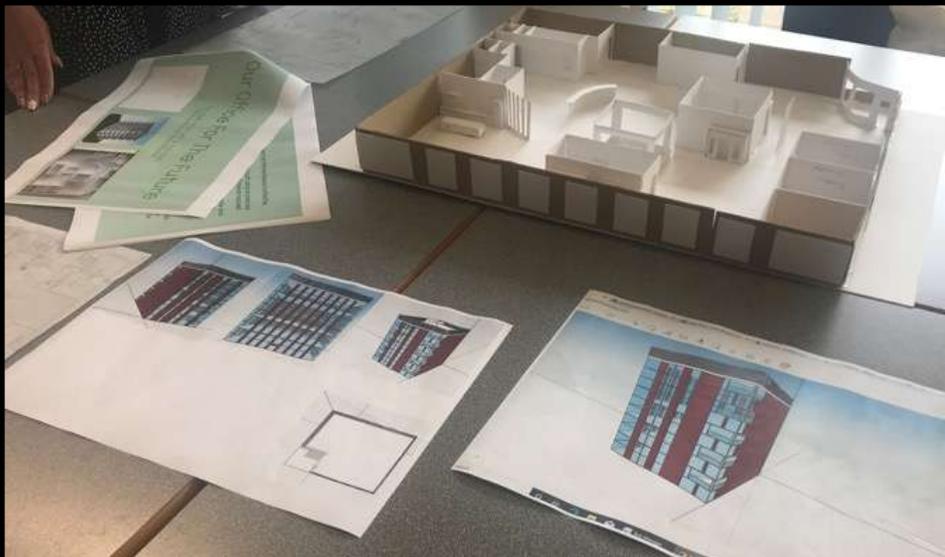
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BDP. 

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10, 15 and 20 hour DEC projects for 10-18 year olds

DEC Work Experience

- Knowledge and employability, technical and business skills
- Portfolio of work including design scheme, digital model and evaluation
- Contributes to local and national Career & ESG objectives



Our award-winning Work Experience programmes give young people a genuine taste of life as an industry professional

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Level 1 - Foundation

Comprising four units, meets the needs of younger students, typically 11-14 years old.

They present all their work in a portfolio that is moderated on completion.

Success results in a formal, recognised qualification.

Level 2 - Intermediate

Comprising four units, meets the needs of pupils who are at least 14 years old.

They present their work in a portfolio typically over a two-year period and also sit an examination at the end of the course.

Success in portfolio and exam results in the award of a formal, recognised qualification comparable to a GCSE in England that affords access to further* education and employment opportunities.

Level 3 - Advanced

Comprising six units, meets the needs of pupils at an advanced stage of learning, from 16 years old.

They present their work in a portfolio typically over a two-year period and also sit an examination at the end of the course.

The successful outcome of portfolio and exam results in a formal, recognised qualification comparable to one English 'A' Level.

A DEC Level 3 qualification affords access to higher education and employment.

Secondary and Further Education study programmes with formal qualifications, leading to apprenticeships and university

Smart Village: Digital Twin projects for Schools

Education Partner



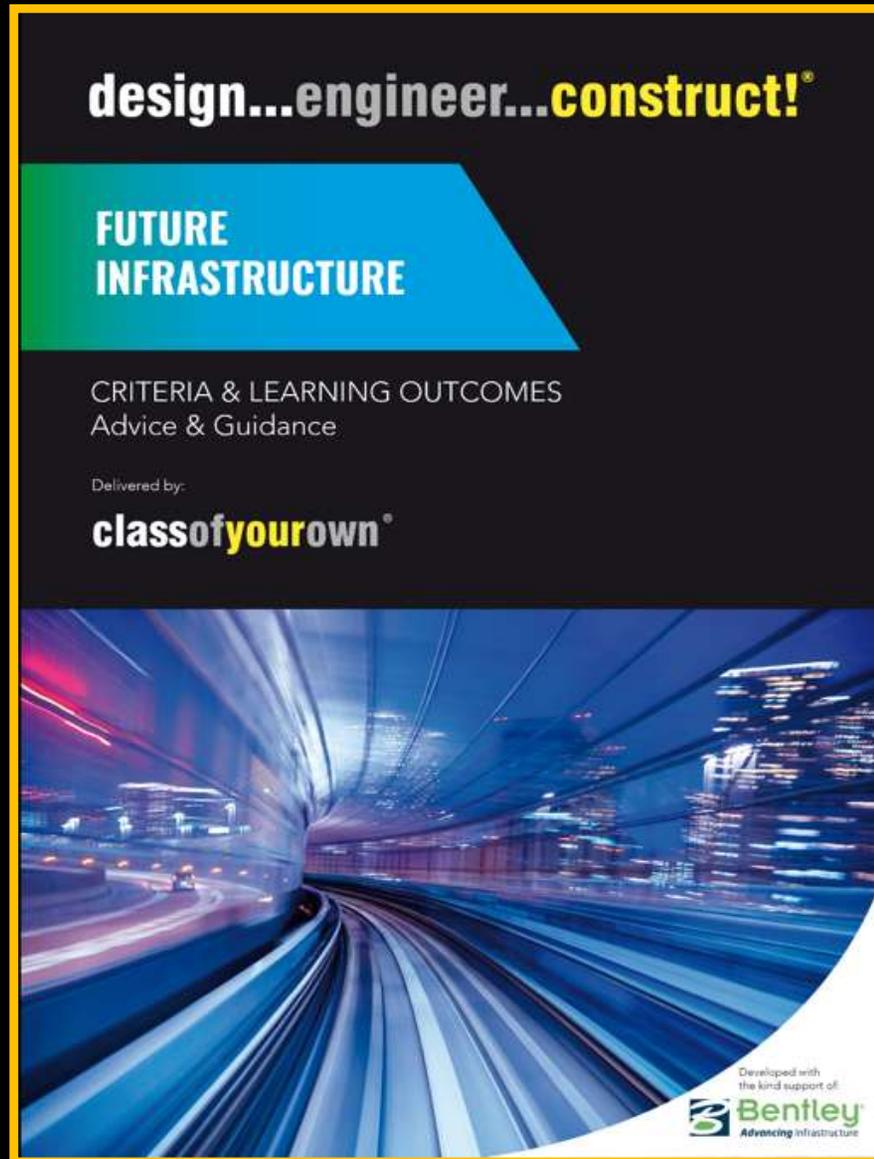
NATIONAL
DIGITAL TWIN
PROGRAMME



Bentley®

ag6
Alder Grange
Sixth Form Centre

DEC 'Future Infrastructure' for next generation major project leaders



Key themes include:

Digital Intelligence
and Innovative Solutions

Cyber Security

Socio-Economic Impact

Environmental
and Resilience Planning

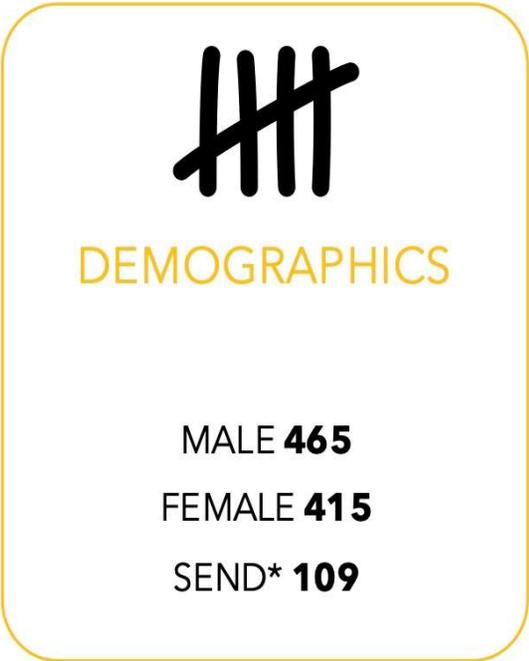
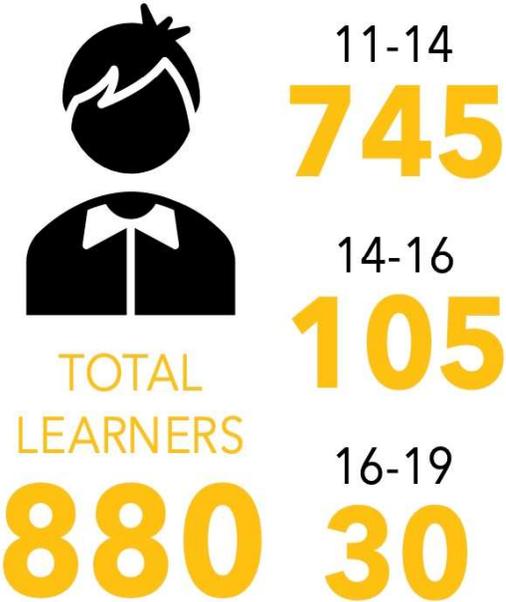
Use of Advanced Technologies

Digital Asset Management

Leadership Skills Development

DEC Learners

A breakdown of the learners who accessed the DEC programme through this partnership during 2023/24:



Where EVERY school could be...



*SEND: Special Educational Needs & Disabilities

DEC at Les Quennevais School Jersey, Channel Islands

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DEC: A LEGACY EDUCATION PROGRAMME FOR LONDON 2012

“Hosting the Games puts you on the world stage – with a global spotlight – and we have used that spotlight to deliver excellence. There has been a collective effort to turn challenges into opportunities for homegrown talent to get ahead.

Programmes like DEC give our young people a competitive advantage in the labour market and the opportunity to deliver their personal best whilst addressing key productivity challenges in the construction and built environment sector.”

Michelle May, Director of Inclusive Economy
London Legacy Development Corporation



Extraordinary Talent. The outcome of genuine **Social Impact**



TORI



ABUBAKAR



ARNALDO



KINGSLEY



GLORIA



TOM



MUNTAHA



AHMED



ELLIS



KAHAR



STEPHANIE



JAMIE



ROHAIB



AALIYAH



THOMAS

BUILD THE DREAM: AN EDUCATION PLAN FOR THE OLYMPICS

“We said we would deliver a plan for 2032; a plan that delivered benefits for Queensland for decades to come.

A plan that would make Queenslanders proud, proud on the world stage.”

David Crisafulli
Queensland Premier

BRISBANE 2032



"We need to make construction an Olympic sport, a team sport ... so we'll absolutely be able to make a success of these Games."

Jon Davies, CEO
Australian Constructors Association