

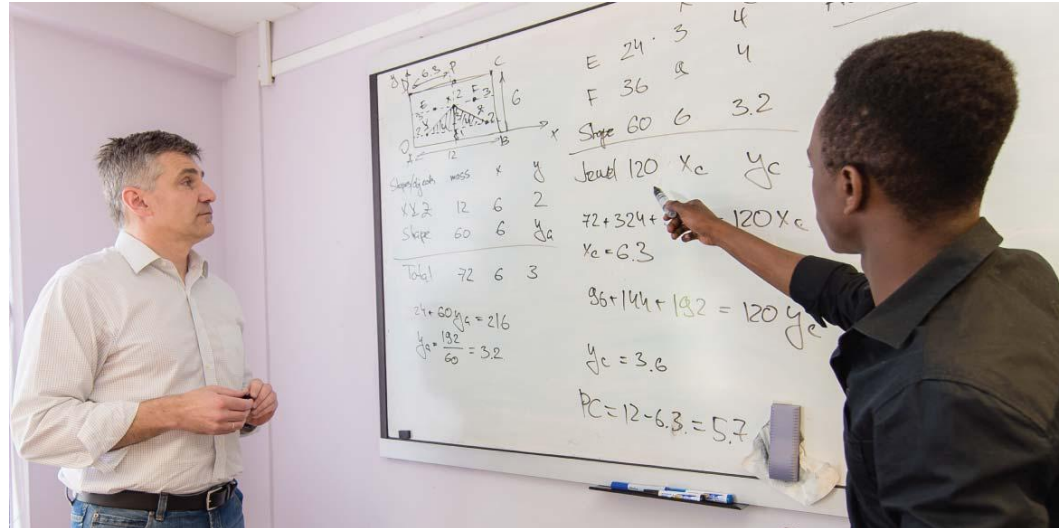


OXFORD

INTERNATIONAL COLLEGE

FUTURE GENERATIONS PRACTITIONER PROGRAMME

20th February 2022



Brief

This Future Generation Practitioner programme has been co-designed by Oxford International College and TYF Adventure to bring together future medics, engineers, architects, biochemists, economists and business leaders in revolutionising the health system and designing a hospital fit for the future.

Over the next decade, over £10b will be spent on new hospitals by Welsh Government; fresh thinking is needed to ensure that they optimise the relationship between treatment and prevention. Through this unique programme, OIC students have a unique opportunity to develop proposals for hospital and health system design, from bricks to bytes, that will be presented to senior health board directors.

The experience that this provides is exactly the kind that admissions tutors and recruiters look for in successful candidates.





Introduction

TYF believe in the power of experiential learning to shape long lives of curiosity and wellbeing inspired by close connection to nature. For more than three decades, TYF's team of dedicated guides and coaches have helped leaders of all ages learn and grow in one of the world's most powerful classrooms, where ocean meets land on the coast of the Pembrokeshire Coast National Park.

Through impact problem solving, adventure and reflection, pupils find meaning and inspiration whilst building the 'backpack skills' for a lifetime of purposeful curiosity. TYF's adventure guides are some of the best in the UK - professionally qualified and innovative in creating experiences that lead to lifetime memories. By working together to develop shared goals and outcomes we create programme that boost personal and social development, grow self confidence and help pupils become a force for good in a changing world.

As founding members of the UK B Corp community and Founding Partners of the Do Lectures, we are part of a global movement using the power of business to change the world. TYF Founder Andy Middleton's daily work advising leaders in business and government on sustainability, innovation and enterprise helps to keep us on track.



Experience you can trust

Since we opened our doors in 1986, TYF have been on an adventurous journey of innovation and change-making. TYF build on foundations that include pioneering the sport of coastering, opening one of the world's first organic hotels and working across government, business and community organisations to imagine new ways of working. We design and deliver education and sustainability programmes to leading organisations who want their employees or students learn how to shape a better future. We are proud to be one of the most respected and innovative outdoor and education centres in the UK and of the difference we make to the lives of pupils, teachers and parents and the communities around them.

What we do for you

TYF Active Learning programmes specialise in creating school trips and in-school programmes that give young people an unshakeable confidence in their ability to make a positive contribution as they stay curious about the world around them. We do this through building solid foundations in team working, outdoor skills, safety, risk and sustainability. TYF helps schools with interventions that range from high impact school assemblies or INSET training through to self-supported expeditions or ocean camps, and we have education and adventure options to suit most budgets.

Where we work

TYF was born and bred in St Davids, Pembrokeshire, one of the most beautiful, inspirational and creative corners of the British Isles. Our community is the wellspring, soul and hub of the energy, passion and play that we share on our programmes. We're surrounded by magnificent coastline, open ocean, clean water and incredible flora and fauna that help us connect inspiration to purpose.



Programme Design

The content of this programme has been chosen to help students improve skills for the future, including those identified in the World Economic Forum's report. Our goal is to help participants embark on the next chapter in their educational or professional careers with the strongest possible foundations for success.

The following pages break down the daily itinerary and highlight the skills that will be developed in each part of the programme and the subject area where relevant. Our approach is built on a foundation of experiential learning and using systems thinking to address complex problems in new ways.

Components

Building understanding

Speakers will give contextual background to their industry and their company in a workshop and pitch a problem for students to address.

Applied Problem Solving

After each workshop the group will breakout in to their subject disciplines be guided through a problem solving process before pitching back their ideas to the speakers.

Experiential Learning

Throughout the programme experiential learning is designed as an opportunity for students to reflect on their learning while developing personal and team skills.

TYF's WEF skills questions include:

- **Social Science & Commerce:** what changes to law & policy are needed to protect future generations? What economic foundation is needed for the circular economy? How can standards be recalibrated for life, not ease of measurement?
- **Health & Life Sciences:** ensuring that human wellbeing is woven through every economic activity is a core challenge for next-generation lead economists, medics and strategists. How can Planetary Health become everyone's business?
- **Physical Sciences & Mathematics:** What's the role of tech and data in enabling and steering better decisions for humanity? How can data be used to create insights understandable by all?



Setting the Scene

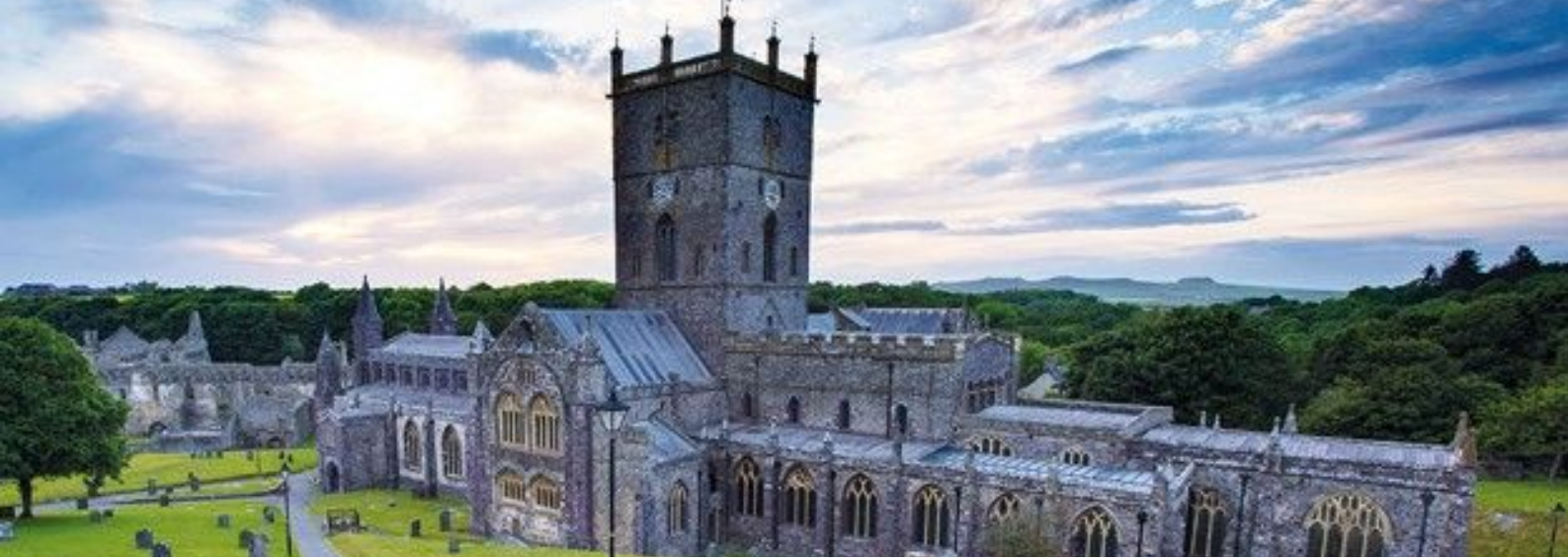
Pre-programme sessions, online

16th Feb

Workshop: Design

Zoe Metcalfe, Client Director, Local & Central Government UK, Atkins

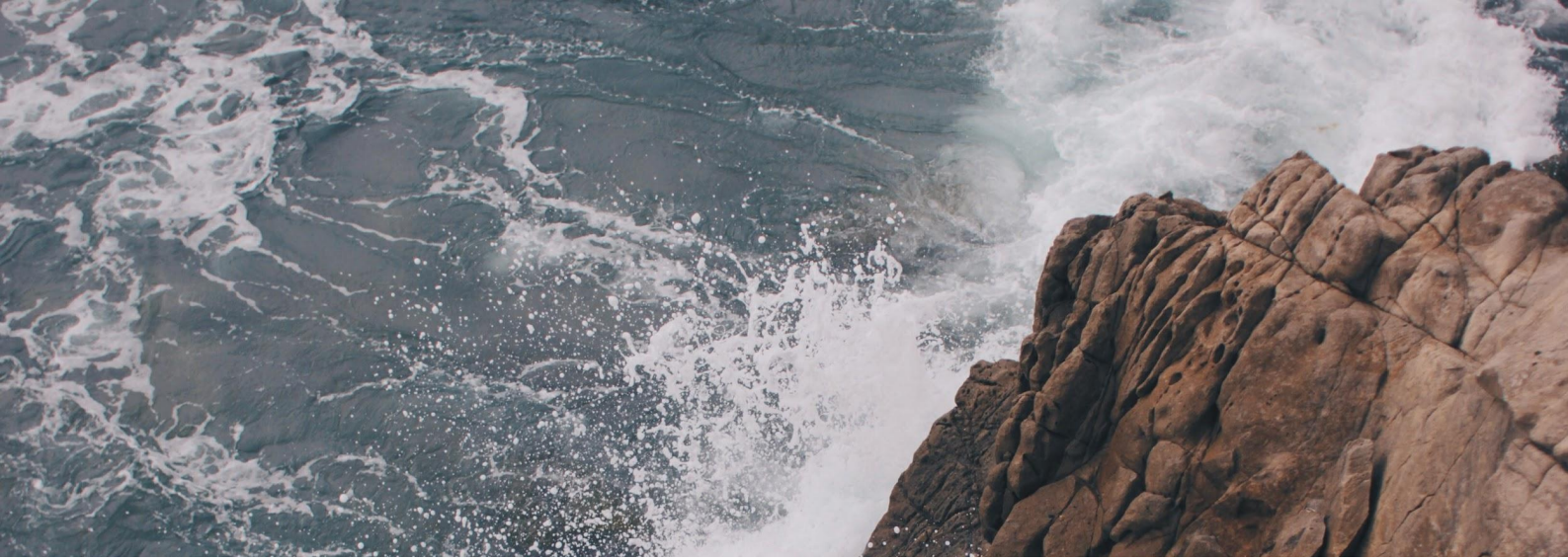
Zoe works at the intersection of design, behaviour and data on multi-billion public and private sector built environment and infrastructure projects.



Sunday

20th February 2022

14:00	<p>Experiential Learning: Orientation. <i>Caerfai to Caerbwdi</i> A brief site orientation while reflecting on goals, impact and legacy</p>
15:00	<p>Workshop: Essentials of Design Thinking <i>Andy Middleton, Chief Exploration Officer, TYF</i> Andy introduces the principles behind design thinking. The problem-solving approach to design, the strategic and cognitive processes by which design concepts are formed. Students will learn about biomimicry, rapid prototyping and the benefits of this way of processing new ideas.</p>
16:00	<p>Workshop: Getting Good Ideas Heard <i>Eddie Altman, TYF</i> A workshop to help students get their best ideas spoken listened to and debated.</p>
16:45	<p>Mission: Optimising the Health System: Dr Phil Kloer (video brief) <i>Phil Kloer, Deputy Chief Executive of Hywel Dda University Health Board</i> A combination of increasing demand, longer human life spans and environmental challenges are placing pressures on health services worldwide like never before. Dr Phil Kloer will introduce some of the real challenges being faced by the health profession - clinicians, consultants, local and public health professionals, with insight on the urgency and interconnectedness of response to issues facing public health across the UK - and how they might be integrated into new hospital design.</p>
17.15	<p>Mission: Investigating solutions <i>Peer review</i> <i>Adaptation and improvement</i></p>
18:30	<p>Dinner</p>
19:30	<p>Debate: <i>Eddie Altman, TYF</i></p>



Monday

21st February 2022

08:00	Breakfast
09:00	<p>Workshop: Problem Solving Skills <i>Sam Charlesworth & Eddie Altman</i></p> <p><i>Identifying preferred team skills & governance for problem solving. Preparation and presentation to peers & tutors</i></p>
10:00	<p>Experiential learning: The Gauntlet <i>Multi-part problem solving challenge</i></p> <p>A multi-part challenge with a variety of physical & mental challenges that are designed by TYF to engage every team member. Students are tasked to evaluate and choose a series of challenges to maximise value, working against a tight timeline. To successfully complete the range of gauntlet challenges, the team will have to assign roles, demonstrate innovative thinking, and leadership.</p>
13:00	Lunch
13:30	<p>Workshop: Whole-System Wellbeing <i>Zoe Metcalfe, Client Director, Atkins SNCL</i></p> <p>Video presentation and workshop</p>
18:00	Dinner
19:00	<p>Keynote: Lessons from a Small Country <i>Jane Davidson, Author / Pro Vice Chancellor and former Minister, Welsh Government.</i></p> <p>In this provocative discussion Jane Davidson explores how the policy landscape has changed and how regenerative and sustainable practice is now at the heart of government. She connects environmental and social health and looks to solve complex issues such as poverty, education, and unemployment while demonstrating how Wales can act as a living, breathing prototype for local and global leaders as proof of what is possible in the fight for a sustainable future.</p>



Tuesday

22nd February 2022

07:00	Breakfast
08:00	<p>Experiential Learning: Wild Swimming & Mental Health. <i>The Blue Tits / Get The Boys a Lift</i></p> <p>This activity is led by two local mental health action groups, Get The Boys a Lift and The Blue Tits. These organisations will be putting the case forwards for a different kind of National Health Service, one which stretches boundaries, connects communities and puts a greater emphasis on prevention.</p>
09:00	<p>Mission 3: Active Impact <i>Paul Donovan, Chair of Wales Adventure Tourism Organisation.</i></p> <p>Prof Sir Muir Gray estimates that five years could be added to the average UK lifespan through increased activity levels. Paul explores the challenges of bringing together the different parties to deliver the radical change that's needed, at speed and scale.</p>
12:30	Lunch
13:30	<p>Workshop: Reimagining Hospital Development & Learning <i>Jonathan Gray, Innovation Director, Cardiff & Vale Health Board</i></p> <p>Reimagining the design for the new £2b University Hospital Wales and the way that existing and future generations of wellbeing professionals are developed and trained</p> <p>Applied design thinking, peer learning and presentation preparation</p>
18:30	Dinner
19:30	<p>Pecha Kucha <i>Andy Middleton</i></p> <p>Small groups choose a topic to speak on for three minutes. The group won't know until they are on stage which will be required to do the talk.</p>



Wednesday

23rd February 2022

08:00

Breakfast

09:00

Experiential Learning: Nature Connection, Impact & Wellbeing
TYF Adventure

During this workshop, led by PhD candidate Dr Emma Pope, participants will explore the vital role that nature connection plays in underpinning in sustainable innovation interventions that maximise impact. They'll consider ways that prescribing green, blue and social activities can help prevention of disease replace treatment. Hands, hearts, ears and eyes fully open.

13:00

Lunch

14:00

Workshop: Systemic Innovation. Video presentation from *Mark McKenna, Founder Director, Down to Earth*

Applying design thinking skills and problem solving practice to the Mission set by Mark in relation to his work with health boards, hospitals and housing.

18:30

Dinner

19:30

Keynote: Collaborative action
Chris Woodfield, Sustainability Consultant, TYF Adventure

Wednesday 23rd Feb: detail

08:00	Breakfast
09:00	<p>Experiential Learning: Nature Connection, Impact & Wellbeing <i>TYF Adventure</i></p> <p>During this workshop, led by PhD candidate Dr Emma Pope, participants will explore the vital role that nature connection plays in underpinning in sustainable innovation interventions that maximise impact. They'll consider ways that prescribing green, blue and social activities can help prevention of disease replace treatment. Hands, hearts, ears and eyes fully open.</p>
13:00	Lunch
13:45	Mission 4: Systemic Innovation. Video presentation from <i>Mark McKenna, Founder Director, Down to Earth</i>
13:45	Workshop 4: Systemic Innovation. Video presentation from <i>Mark McKenna, Founder Director, Down to Earth</i>
14.15	Mission 2: Investigating solutions
15:30	Break
16:00	Mission 2: Peer review, adaptation and improvement. Preparing and recording 2.5 minute pitch
18:00	Dinner
19:30	<p>Keynote: Collaborative action <i>Dr Emma Pope. Coasteering and Nature Connection</i></p> <p>.</p>



Thursday

24th February 2022

08:00	Breakfast
09:00	<p>Discussion & Presentation by students.</p> <p>Each group of participants will produce a 3 minute film and PowerPoint presentation of their topic area, to be shared with all key stakeholders after peer-to-peer and tutor presentations and feedback</p>
11:30	<p>Endnote: Sam Charlesworth & Eddie Altman</p> <p>Sam and Eddie will lead a student-focused reflection on key lessons shared by experts and ways those insights can be capitalised on by students through networking, work experience and further research and training.</p> <p>Students will be invited to develop and pitch practical suggestions that could make marked and measurable impact on the health of millions of people by doing the same things differently and new things well.</p>
12:30	Lunch
13:30	Depart



Location

Students and teachers will be staying at St. Davids Bunk Barns, a kilometer east of St. Davids. The Bunk Barns are one of TYF's preferred accommodation partners, and are based on a working 120 acre farm above the cliffs of Caerbwdi.

The Keynotes and challenges will take place at the Bunk Barns with other activities taking place within walking distance.

St. Davids Bunk Barns take advantage of the fantastic produce available in the local area to make their delicious and varied menu. To the right is a sample menu for your residential.

If you have any special dietary requirements please email learn@tyf.com by 21st of January

Full Welsh

Bacon rashers, Pembrokeshire pork & leek sausage, baked beans, eggs and toast. Cereal also available.

Jacket Potatoes

Pembrokeshire jacket potato topped with either Cheddar cheese & baked beans or bacon & brie.

Macaroni Cheese

This classic is served with a rich creamy sauce with a hint of mustard, topped with crispy breadcrumbs and Italian herbs.

Cold Buffet

Selection of bread rolls, pembrokeshire cheeses, coleslaw, potato salad and green leaf salad.

Soup

Curried parsnip soup with garlic croutons served with fresh bread and Welsh Cheddar

Roast Beef

Roast beef with roasted farmhouse vegetables, yorkshire pudding and gravy.

Lasagne

Red lentil or beef lasagne served with garlic bread and green leaf salad.

Sweet Potato Curry

Sweet potato curry served with pilau rice, poppadom and naan bread.

Mexican

Three bean chilli served with wild rice, chunky guacamole, salsa and sour cream with a tortilla wrap.

