

EDUCATING • EXPLORING • EXCELLING



# EARTH SUMMIT 2023

KEELE UNIVERSITY

26th-27th JUNE 2023

# The Experience

Earth Summit 2023 is a 2-day event that will provide students with the chance to take part in a wide-ranging examination of the factors causing climate change, the effects it is having on our world and how we all could live a more sustainable life at home, at school and in the community.

It is suitable for all **14-18 year old students** with who have an interest in or are passionate about environmentalism and sustainability, as well as supporting those studying relevant modules at **GCSE, AS** and **A Level**.

Students will:

- ✓ hear from leading experts in the field
- ✓ participate in a series of engaging workshops
- ✓ meet, talk with and ask question of individuals and agencies working in the fields of sustainability
- ✓ gain unique insights which will support their learning, inspire their future studies and help them plan their future career paths
- ✓ have the option to learn about Keele University and student life with campus based activities

What's more it will fill them with a passion to become better citizens and to make a difference to the world around them.



Low Carbon Energy Generation  
Park generating up to 50%  
of campus electricity at Keele

*“This university  
is pre-eminent in  
its understanding  
of the need for  
sustainability”.*

Sir David Attenborough  
at Keele University, 2019.

## The Location

**Earth Summit 2023 will be held at Keele University, a leader in the sustainability sector, not just in its ambition to become carbon neutral by 2030 but also through its teaching and ground-breaking research into climate change and renewable technologies.**

### **Keele University**

was named Global Sustainability Institution of the Year in 2021, making this the perfect location for the Earth Summit 2023.

It has its very own Sustainability Hub which welcomes hundreds of local community members through the doors every year.



## ACCOMMODATION

Keele was voted Britain’s best university, as ranked by students in the Student Crowd University Awards 2022. We think your students will love experiencing university life which is why they will be staying on campus in university halls. The beautiful campus has the unique feel of a small town and all of its facilities are within easy reach.

# Meet our experts

## THE SPEAKERS



The speakers will present to the students in Westminster Theatre at Keele.

Students will hear from leading figures and researchers in the field and discover what we can all do to minimise its devastating effect on the world.



### Dr Richard Waller

#### *The Climate is Changing: What on Earth can I do about it?*

A Senior Lecturer within the School of Geography, Geology and Environment at Keele University, Richard has been fascinated by cold environments since he studied geography at school and has spent the last 25 years working in glacial and permafrost environments, studying the nature and accelerating landscape impacts of Arctic climate change.



### Dr Antonia Law

#### *Climate change - the science and the solutions.*

Dr Antonia Law is Senior Lecturer in Geography at Keele University, where she is also Deputy Director for Education in the Institute for Sustainable Futures with responsibility for embedding sustainability in the curriculum and co-curriculum. Antonia is fascinated with understanding the impact of climate change and anthropogenic pollutants on lake and river systems and has worked in glacial lakes

and rivers in the Arctic. She is committed to delivering education for sustainability and climate change, to make the world a better place for future generations.



### Hannah Hooper

#### *Building a resilient future in the face of the climate crisis.*

Hannah Hooper is the Programmes Coordinator at Force of Nature, a youth non-profit organisation mobilising mindsets for climate action. Hannah is a passionate climate activist, and avid researcher into the intersection between regenerative cultures, community care, and planetary well-being. Her interest in these different aspects of individual experience has led her move into the environmental space,

to contribute to working with others to find solutions to the climate crisis. She is also a speaker and youth consultant for organisations.

### Dare Ilori & Dominique Sidley

#### *How we're reducing our environmental impact.*



Merlin Entertainments is the largest European entertainments company operating in Europe. Alton Towers is one of the UK's favourite theme parks and as Group Head of Sustainability

at Merlin, Dare is directly responsible for recent changes at the park that improve sustainability. He is a Fellow of the Institute of Environmental Management and Assessment UK and a chartered Energy Manager of the Energy Institute UK. He is very passionate about sustainability and the opportunities that sustainability avails businesses in the 21st century.



Dominique Sidley, is a strong advocate and business lead of equality, diversity, inclusion and belonging. Dominique is particularly focused on sustainability through people, in

alignment with the UN SDG5, and is endeavouring through her work in DE&I to drive gender equality and empowerment of all women and girls across the hospitality and tourism sector.

# Workshops and Partnerships



## Force of Nature

### *Anxiety to Agency.*

In this workshop, students learn how to understand the relationship between mental health, mindset and climate change; identify the barriers to taking action; hone in on the problem they want to solve and get clear on their vision of the future.



## The National Grid

### *The transition to electric vehicles.*

In this interactive workshop, participants will be split into several groups, each given a map of a road network and a budget. Using this budget, they must create an electric charging network that allows a transition to electric vehicles. Coming up with the best solution possible, each group will be given a set of 'constraints' that they must work within, such as:

- Environmentally sensitive zones
- High-cost zones
- Just transition regions (Disadvantaged areas which need greater provision of public charging)
- No build areas
- High traffic zones
- Limits of EV range

**nationalgrid**

## 4ward Futures

CASLOE is a careers education project that has been developed by 4wardFutures. CASLOE uses the climate and ecological challenges humanity faces, such as climate change and plastic waste as a metaphor to introduce young people to the different progression and career pathways that will enable them to address these challenges in their future careers.

### *Creating a Sustainable Life on Earth (CASLOE) Workshop*

Following a 30 minute pre-event webinar, students will be set the challenge to work in teams to put together a plan of how professionals from different sectors could work together to address an environmental challenge in the workshop, such as poor air quality, water pollution or the impact of waste plastic in the oceans'.



## UK Atomic Energy Authority.

Students will learn about the power of plasma and Fusion Energy and how UKAEA are looking to create a 'star in a jar' to provide near limitless sustainable energy.

There will be a 20 minute talk on fusion and how it will impact a future sustainable energy mix, a 20 minute workshop and 10 minutes for a Q&A.



**UK Atomic  
Energy  
Authority**

# Curricular Links

## SUPPORTING YOUR TEACHING



### SCIENCE

#### Key Themes

- Life on earth, past present and future
- The evidence for climate change
- Ecosystems
- Sustainability
- Energy: Demands and resources
- Human impact on the environment
- Populations and sustainability
- Biodiversity and natural resources

### GEOGRAPHY

#### Key Themes

- Climate Change: How and why has climate changed in the geological past?
- Ecosystems and sustainability
- Global hazards and climate change
- Energy resources: Supply and demand
- In what ways can humans respond to climate change?



We are pleased to be partnering with Treedom for the Earth Summit 2023. Not only will Treedom be running a student workshop but a tree will be planted for each participant which not only helps the environment but also helps the community in which it is based. Find out more on our website.



#### The United Nations' 17 Sustainable Development Goals set out the key role of education in the successful achievement of the goals.

In April 2022 the Department for Education (DfE) published its strategy for sustainability and climate change for the education and children's services systems. This recognised that education plays a vital role in helping to tackle climate change and creating a better, greener world for future generations. Its vision is for the United Kingdom to be the world-leading education sector in sustainability and climate change by 2030. The aim is to provide educational activities so that leaders, teachers, children and young people will learn about energy efficiency, the circular economy, climate resilience and green careers as part of educational building, maintenance and procurement projects.

Earth Summit 2023 will not only examine the impact of climate change on our communities, it will offer suggestions as to how we all can work towards reducing our personal carbon footprint and consider creative ways of persuading our parents and schools to reduce theirs.

# Work hard, play hard



The topic of climate change is becoming increasingly important and will affect every career choice and society as a whole. It looks likely to affect the curriculum in the coming years and already features in many subjects.

Aside from benefiting your students' knowledge and raising their social and personal awareness, taking them to an event such as the Earth Summit helps schools and colleges meet the following statutory Gatsby Benchmarks for Good Career Guidance:

- ✓ **Benchmark 4:** Linking curriculum learning to careers
- ✓ **Benchmark 5:** Encounters with employers and employees
- ✓ **Benchmark 7:** Encounters with further & higher education

Attending Earth Summit 2023 will help inspire students towards further study, help them to understand enough about the world of work to know what skills they need to succeed and open students' eyes to careers they may not have considered.

THE GATSBY BENCHMARKS  
GOOD CAREER GUIDANCE

Ofsted inspectors are looking for evidence of how well schools are performing against the benchmarks – the Earth Summit provides schools with a perfect example.

We don't just support educational needs; we understand the need for fun! That's why on day 2, we can take your students to Alton Towers for some well-earned excitement and thrill-seeking with their friends!

After having heard from Dare Ilori, Group Head of Sustainability at Merlin Entertainments, on day one, the students will have a better understanding of how theme parks such as Alton Towers are doing their part in the fight against climate change. As it's less than an hour away from Keele University, we think it's only fair to take the students there for some well-deserved fun and thrill-seeking!



**2 DAYS**  
**FROM**  
**£185PP**  
BASED ON A GROUP OF 40+

**Two Day Study Experience Includes:**

- Conference & Workshops
- B&B accommodation at Keele University
- Coach Travel for 2 days
- Lunch day 1
- Evening meal day 1
- Exclusive social event hosted in the Student Union on night 1
- Breakfast day 2
- One free teacher place for every ten students.

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