

IMPACT REPORT

Ceres Power Masterclass

Green technology for a sustainable future

**St Mary's University, Twickenham
Science&Engineering Saturday Club**

March 2024



National Saturday Club Masterclasses connect Clubs with an extensive national network of industry experts and professional practitioners. Each Masterclass is bespoke, giving Club members and tutors rare access to some of the UK's most creative minds and showcasing how skills developed at the Saturday Club's weekly classes can be applied in the real world.

Ceres Power × St Mary's University, Twickenham

St Mary's University Twickenham Science&Engineering Club members headed to Imperial College London for an insightful Masterclass about green technology with Ceres Power.

The Masterclass began with an engaging introductory talk by the Ceres Power team, shedding light on their pivotal role in combating climate change through creating hydrogen-based products. Introducing solutions such as 'Solid Oxide Electrolysers' and 'Green Hydrogen', the team helped Club members understand the importance of these technologies in building a sustainable future.

Club members were then divided into groups to begin the practical lab activities. Group One explored the power of lemons and how they could power a small clock, Group Two delved into the world of electric cars and Group Three took part in a session about turbines and

hydrogen. Each group rotated through these sessions, gaining hands-on experience of generating green hydrogen.

After this activity, the Ceres Power team shared personal experiences and insights into their roles and career paths into the industry.

After spending the morning learning from the industry professionals, Club members created posters to highlight how green technology could positively impact their communities or the wider world.

To end the day, each group was given the opportunity to present their posters and explain the concepts behind their work, as well as the potential transformative benefits.



"I learnt about renewable energy and why it's needed."

Club member

"I valued learning about global warming and the effects of it."

Club member

"I liked the practicals as they help me understand things better."

Club member

"I valued learning how they turn hydrogen and oxygen into electricity and vice-versa."

Club member



Impact on the young people



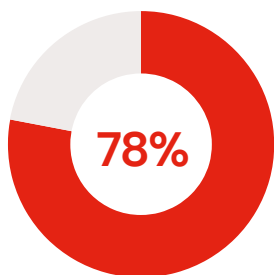
gained a better understanding of how their new skills can be transferred into the future world of work



enjoyed the Masterclass and found meeting industry professionals inspiring



learned something new during the Masterclass



gained a better understanding of job roles and career possibilities

From the Club members

Thank you for this wonderful opportunity!

it was amazing

Very nice class!

I enjoyed it here and I learnt a lot thank to everyone helping.

Thank you JAV team
very educational event.

Download the images from the Masterclass

Image credit: National Saturday Club



For more information please contact:
Adobera Ejikeme, Programme Manager (Industry Partnerships)
adobera@saturday-club.org

**NATIONAL
SATURDAY
CLUB**