

THE  
COMMON  
ROOM

# Electric Dreams at the Common Room

16 November 2024 11am – 3pm

Exhibit details for this free event

The Common Room, Neville Hall, Westgate Rd, Newcastle upon Tyne NE1 1SE

## Electric Dreams Exhibits and Activities

### MAGNIFICENT WOMEN

On supersized floor science game board, play a game of Snakes and Ladders in the which you are the game piece!



Build your own bracelet photochromic beads to create bracelets that change colour under ultraviolet light and glow in the dark.



Find out how the UK is decarbonising its energy system to reduce the climate impacts! This interactive exhibit explores what this means for our future.



A fun and engaging hands-on workshop introducing young people to the principles of electrical engineering.

Participants create their own functional mini-torches using simple materials, fostering creativity and problem-solving skills.



[theiet.org/education](http://theiet.org/education)

[@IETeducation](https://twitter.com/IETeducation) [f IETeducation](https://www.facebook.com/IETeducation)

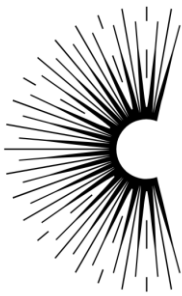
### PRIMARY VOICES

@VOICES2035

Listen to book readings about the adventures of Lottie, who tours the world telling children why she thinks engineering is for everyone! She shares her Electric Dreams about how we can all save electricity at home.

You can also dress up, play with Lottie, and do some family drawings, which may be showcased at the event and online – or take home your masterpieces along with codes to download the book for free at home.





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Discover the design secrets of an energy-efficient solar car.

See our model and learn about key car components. Find out more about the car construction process. Electrical and mechanical engineers and an aerodynamics expert are on hand to answer all your questions.



Become a Wind Energy Wizard!

Learn about renewable energy generation while building a model wind-turbine. Find out how we use wind and use this exciting turbine technology to generate electricity without greenhouse gas emissions, helping to combat climate change.

### Power Play – Smart Homes and Renewable Energy!



Northumbria  
University  
NEWCASTLE



See how solar panels can track the sun to maximise energy collection



Use a mobile app to control lights, fans, media players and other household devices, and understand how smart homes can save energy



Using simple toys discover how energy can be transferred wirelessly and be used more efficiently



Explore how engineers and scientists develop new technologies



Have a go at balancing electricity supply and demand for the whole city!  
How long can you keep the lights on?





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Powering Lives in the North East - fun and games showing how Northern Powergrid gets renewable energy into our homes!

-  Interactive 'buzz wire' game – get to the end without a sound!
-  Energy themed craft and art activities
-  What will the future of energy hold? A VR look into the future

Green Hydrogen: how it's made and how it could be used

Exploring it's use in the future for energy and transport and how it's made from water and how it is used in hydrogen cars!

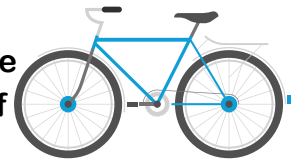
Find out how the hydrogen could be transported!



How is electricity generated? Are you up for the challenge of making your own electricity using just pedal power?



Find out the technologies that help us make enough electricity to meet the demands of all people and businesses in the UK!

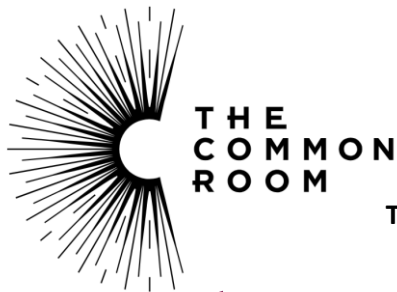


Look inside an electrical machine with virtual reality.



### The Common Room:

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Westgate Road,  
Newcastle upon Tyne,  
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## How to find us

### Find us here:

Neville Hall,  
Westgate Road,  
Newcastle upon Tyne,  
NE1 1SE

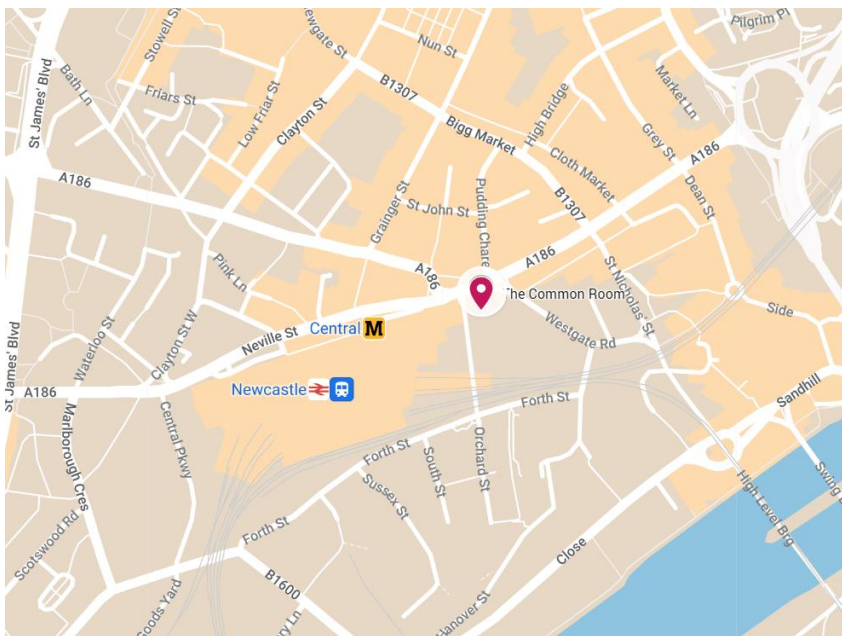
what3words

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Google Maps

<https://maps.app.goo.gl/YD>

[Xfw12jiCaMB5bc8](https://www.what3words.com////laser.awards.ears)



#ElectricDreams

<https://thecommonroom.org.uk/event/electric-dreams/>

This event is part of Electric Dreams, a 2024 festival of womanpower to mark the centenary of the Electrical Association for Women (EAW), founded on 12 November 1924.

- To enlighten participants about energy generation and use
- To highlight women's pioneering role in the electricity industry
- To spread awareness of the climate crisis and the measures needed to reduce its impact
- To celebrate and inspire the people shaping our futures



Get involved – together we can shape the future

<https://www.magnificentwomen.co.uk/electric-dreams.html>



# Electric Dreams

A FESTIVAL OF WOMANPOWER