

Engage Teacher Conference

SESSION SUMMARY

EngineeringUK: Boosting the E in STEM

A brief summary of the talk from EngineeringUK about how their Climate Schools Programme, Neon and free resources can help you inspire your students to consider a career in engineering and technology.

Dan Powell, Head of Neon, EngineeringUK
Nathan March, Head of Engagement Projects, EngineeringUK

[Watch the recording](#)

[See the full slides](#)

- Offers science, geography and English lessons and extra-curricular club resources appropriate for 11–14-year-olds.
- Strong skills focus (teamworking, communication, and problem-solving).
- Inspires the next generation to explore green engineering careers and tackle climate change head-on.
- Prioritises the involvement of young people from the groups underrepresented in engineering and technology.
- Give young people confidence to see themselves in a career in engineering and technology.
- Request a STEM Ambassador to get remote or in person volunteer support.

“I could see a lot of them thinking, you know, to try to make connections between the fact that these jobs will be jobs that they potentially are entering into themselves”

– Teacher

“You’re giving us a bunch of resources that we don’t have to spend all day figuring out which is really useful.”

– Teacher

“One of my pupils in my class a couple of weeks ago was talking about climate anxiety, and it can become quite overwhelming to think of the negatives. Whereas, I think these lessons seemed to focus on solutions, and you know, they seemed like things that could be done quite easily or manageably”

– Teacher

“I really I enjoyed being involved in it. The kids obviously enjoyed being involved in it.” –

Teacher



Brilliant Inspiration

A website to help you easily find the relevant content you need to inspire your students about a career in engineering.

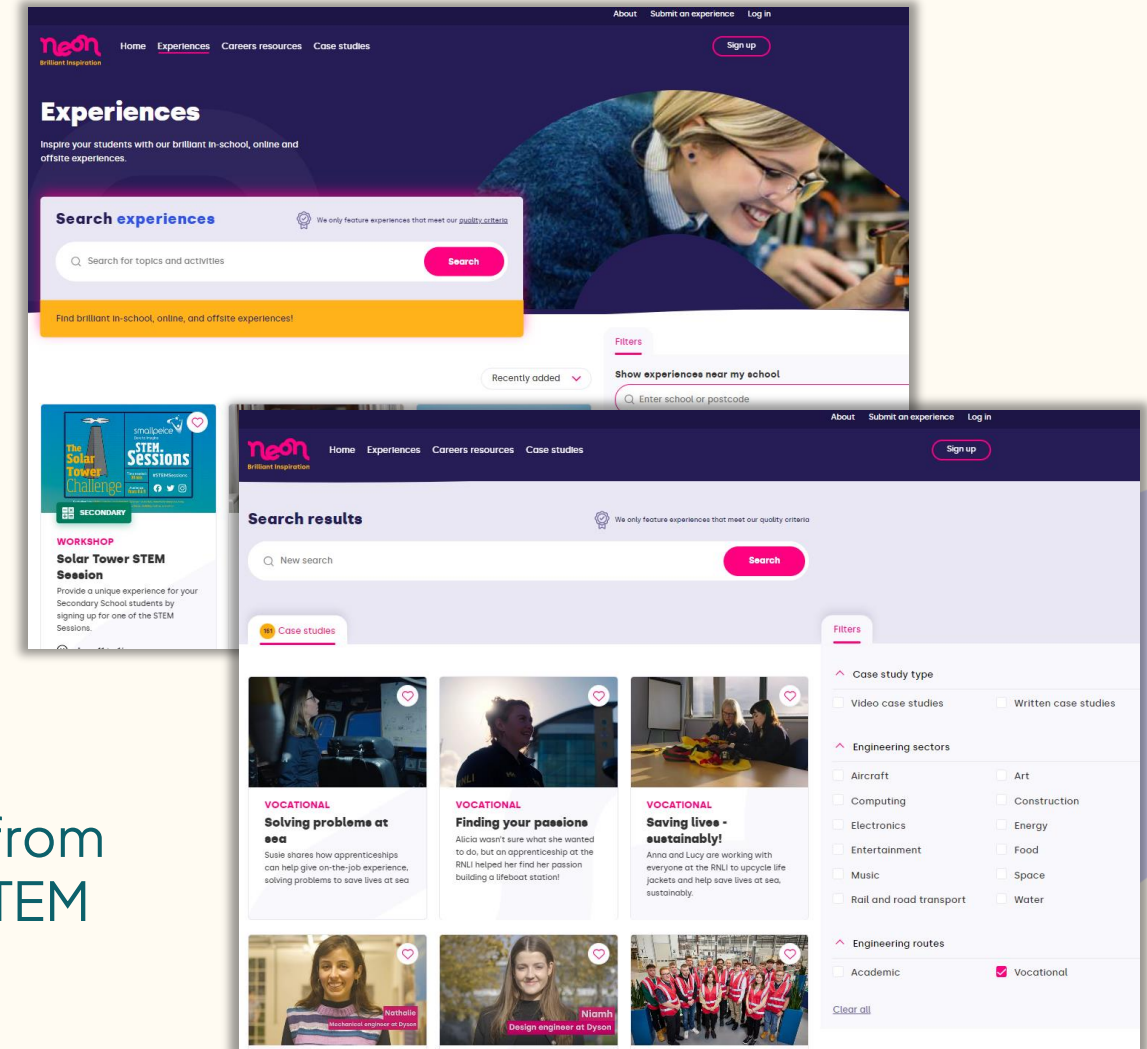
With 306+ experience, 40 careers resources, 145 case studies and used by over 6,000 teachers.

Bursary scheme

EngineeringUK Priority schools can apply for an annual bursary of £750 to use to deliver a Neon Experience.

The aim of the bursary is to enable young people from groups who are currently under-represented in STEM professions to participate in STEM engagement programmes.

Engage



Brilliant Inspiration

Experiences

Inspire your students with in-school, online and offsite experiences.

Example: Connect, Create, Belong – Online Physics Club


Targeted at young people who would not traditionally pursue careers in Physics, and all guest presenters and volunteers have been picked to reflect the need to bring more diversity into the field of Physics.

[Back to experiences](#)

WORKSHOP

Connect, Create, Belong - Online Physics Club

Connect, Create, Belong is an online Physics Club which provides a safe space for young people to expand their knowledge of physics.



SECONDARY

- 😊 Ages 11 to 14
- 📍 Online
- 📅 9 January 2023 to 1 June 2024
- 🕒 Multi-session
- 💰 Free

Run by [The Blair Project](#).

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Brilliant Inspiration

Resources

Inspire the next generation of engineers

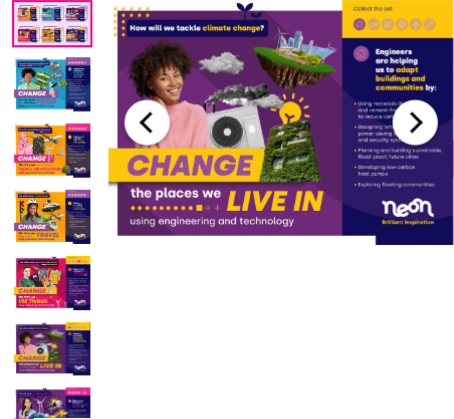
Example: Green careers postcards

6 inspiring and thought-provoking postcard-sized handouts showing how people working in engineering and technology are working to support environmental sustainability.

Case studies

Example: A spark for engineering

Allanah is a software engineer at BT, who switched to an apprenticeship in 6th form to learn directly from industry professionals.



How will we tackle climate change?

Engineers are helping us to design buildings and communities by:

- Reducing energy consumption
- Improving energy efficiency
- Designing smart buildings and smart cities
- Planning sustainable transport
- Reducing water usage
- Improving air quality

CHANGE

the places we **LIVE IN**

using engineering and technology

neon
Brilliant Inspiration

[← Back to careers resources](#)

Green careers postcards

POSTCARDS

A set of 6 inspiring and thought-provoking postcard-sized handouts showing how people working in engineering and technology are working to achieve net zero and support environmental sustainability.


These postcards can be used alongside our ['engineering' posters](#), which cover 6 themes and include activities and homework tasks.

[View the Postcards](#)

Also available to order in large. [Place your order.](#)

A spark for engineering

Allanah is a software engineer at BT, who switched to an apprenticeship in 6th form to learn directly from industry professionals.



Brilliant Engineers - Allanah

Watch on YouTube

[← Back to case studies](#)

Next steps

Engage

Climate Schools Programme:

- Register for the Climate Schools Programme
climateschoolsprogramme.org.uk

Neon:

- Register for a free Neon account
<https://neonfutures.org.uk/my-profile/sign-up/>



EngineeringUK
INSPIRING FUTURES TOGETHER

Engage Teacher Conference

Thank you

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