



# VOLUNTEERING WITH THE TRANSPORT BOX

An opportunity for Engineers to be part of the Royal Academy of Engineering Ingenious project, creating a box and event for young people with SEND and mental health needs.

Volunteering on the Royal Academy of Engineering Transport Box project gives engineers practical opportunities to develop CPD-relevant skills including communication, inclusive practice, leadership and public engagement.

By engaging young people through creative engineering activities, volunteers build confidence explaining technical ideas to non-technical audiences while contributing to meaningful social impact.

## HOW VOLUNTEERING SUPPORTS ENGINEERING CPD

CPD Area	How the Transport Box Supports This
Communication Skills	Explaining engineering concepts to non-technical audiences and young people
Inclusion & EDI	Adapting activities and communication styles for different audiences and needs
Public Engagement	Facilitating STEM activities and encouraging participation
Leadership & Confidence	Leading discussions, guiding activities and responding in real time

Creativity & Problem Solving	Using hands-on activities to communicate complex ideas creatively
Reflection & Professional Growth	Reflecting on engagement experiences and transferable workplace skills

The CPD themes outlined here align with recognised professional development expectations across UK engineering, transport and infrastructure institutions, including the Engineering Council, Institution of Engineering and Technology, Institution of Civil Engineers, Chartered Institution of Highways & Transportation and Transport Planning Society.

## WHY THIS MATTERS?

Engineers increasingly need strong communication, inclusion and engagement skills alongside technical expertise. The Transport Box provides practical, real-world opportunities to develop these capabilities in supportive and creative environments.

## WHAT ENGINEERS GAIN FROM VOLUNTEERING



<h3 style="margin: 0;">INCLUSION</h3> <p>Develop confidence engaging diverse audiences and adapting communication approaches.</p>	<h3 style="margin: 0;">COMMUNICATION</h3> <p>Practise explaining technical ideas clearly and accessibly.</p>	<h3 style="margin: 0;">CREATIVITY &amp; WELLBEING</h3> <p>Reconnect with the social impact of engineering through creative engagement and volunteering.</p>
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## Tips for approaching your employer for time off to do CPD

- Link the project to your learning objectives, public engagement and social value.
- Connect it to your role and how it supports your current work: i.e. you may be planning a consultation on a scheme.
- Let them know it will be 7.5 hours of CPD time.
- We will let you know of the dates/ hours required as soon as we possibly can.

**Joanna Bateman**  
**Traffic Signals**  
**Engineer**

*"There is a real feel-good factor about seeing a room full of young people interacting with activities I've contributed to. I've very proud of what myself, Diana and the team have created."*

**Mai-Leen Ng**  
**Civil Engineer**

*"It was a lot of fun and fulfilling to help kids put a face to a career that they may never have thought about before!"*

**Molly Heywood**  
**Transport Planner**

*"After attending an excellent **Mobility Camp** back in September, it has been great to be involved in this initiative over the past few months and seeing the Transport Box come to life!"*