



Your self-directed learning journey

Building Community Leaders

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Introduction

Welcome to Building Community Leaders! This resource has been produced to help support your own learning as a chapter committee member.

Who is this for?

We expect all Engineers Without Borders UK Chapter committee members to engage with this learning journey. The information included within the guide is there to help prepare you for the year ahead.

Why is it important?

Lifelong learning is an important part of your career journey, but you don't have to wait until you secure a role after graduation. This resource is designed to start your journey towards understanding global responsibility, highlighting how you can have a positive impact within the local and global community with your Chapter.

It is important for you to know that although the Chapter network may be your main interaction with Engineers Without Borders UK at the moment, our Chapters are part of the wider Engineers Without Borders UK movement, and you along with educators, professionals and industry are all working towards putting global responsibility at the heart of engineering

How to use this learning journey

We have split the guide into four sections to help guide your learning:

- Who are Engineers Without Borders UK?
- Understanding Global Responsibility
- Running an Engineers Without Borders UK Chapter
- Additional resources

We expect all committee members to work their way through this learning journey, fully engaging with the questions and prompts. We have left space to add notes, and suggestions on when you should share your ideas with your committee.

For those of you who are attending the in person Building Community Leaders workshop, please ensure you have completed the learning journey for **Section 1: Who are Engineers Without Borders UK?** before you attend.

If you have any questions please use [Slack](#) to communicate with other Chapter members, or directly with the Engineers Without Borders UK team.



Section 1

Who are Engineers Without Borders UK?

Engineers Without Borders UK are working to reach the tipping point to ensure a safe and just future for all.

Part of a global movement of over 60 Engineers Without Borders organisations, we inspire, upskill and drive change in the engineering community and together take action to put global responsibility at the heart of engineering.

Our history

Engineers Without Borders UK emerged at the beginning of the millennium, during an era of greater global consciousness, which saw the world commit to the Millennium Development Goals.

Take a look at the history of Engineers Without Borders UK and how vital students have been in building the movement.

Did you learn anything that would be useful to share with your Chapter members?

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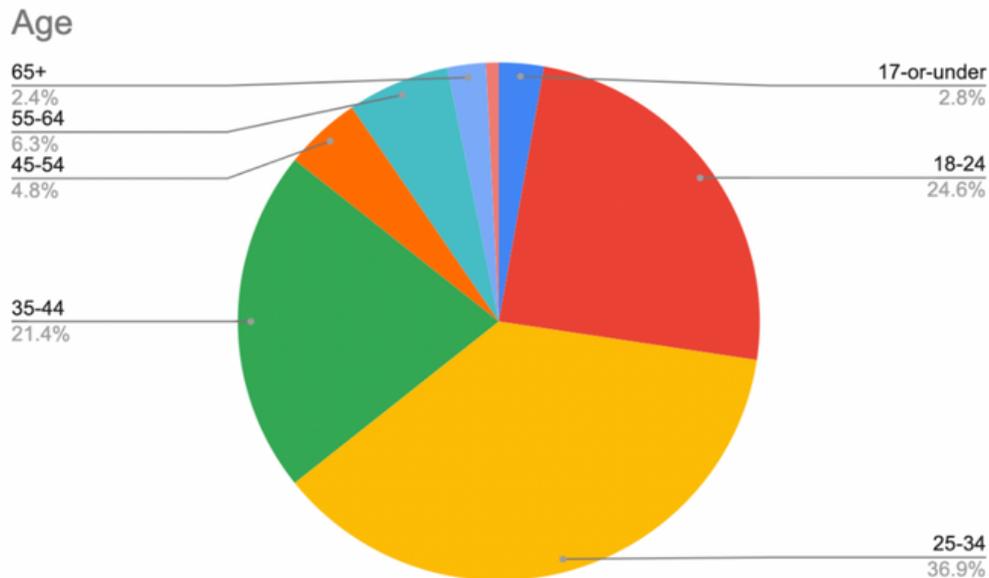
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The movement

Chapters are one component part of the wider Engineers Without Borders UK movement, but it is clear to see that the majority of the movement are those who are aged 25-44. It is important for you to know that your involvement doesn't end when you graduate.

The movement



To make sure you are in the loop with updates outside of the Chapter network, [access complimentary membership](#) using the following code: **Chapter22/23**, you will then receive our member newsletter and be informed of the latest updates from the movement.

What do we do?

Each year Engineers Without Borders UK produces an [annual review](#), presenting our achievements over the year. Take a look at the [2020-2021 annual review](#), did you find out anything you didn't know before?

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Our 2021-2030 Strategy

In May 2021 we launched our strategy. This strategy describes how we will push global responsibility to the top of the engineering industry's agenda, radically changing its culture and helping it meet the UN Sustainable Development Goals.

Read the [strategy document](#) to learn our vision, mission and strategic goals and note them below:

Vision

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Mission

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Strategic goals

- 1
- 2
- 3

Use the following resources to learn more about the strategy

- [A new sense of purpose](#)
- [The problems we must solve](#)
- [Focusing our efforts](#)
- [Our strategic goals](#)

What are the top 3 things that stood out to you from the strategy?

- 1
- 2
- 3

A Chapters' role within the movement is to inspire students within universities to put global responsibility at the heart of engineering.

Have a think about how you could run events that inspire other students at your university. Jot down some suggestions below, and share them with your committee.

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Change makers

At Engineers Without Borders UK, we are proud of the ever-growing movement of people we are mobilising to transform the engineering sector. As part of our Change Maker campaign, we have identified 17 individuals within the movement who have spoken to us about how they are embedding globally responsible engineering into their day to day practice, how the movement played, and continues to play, a role in developing this approach, and their hopes for the future of the sector.



Choose a Change Maker and explore their journey. Share below how their story inspires you.

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Section 2

Understanding global responsibility

Our strategy sets our four key principles of globally responsible engineering. These will be critical in ensuring a safe and just future for all.

We want these principles to be adopted across the engineering community and embedded in the culture of how all engineering is taught and practised.

Match the descriptions below to each of the four principles:

Responsible Regenerative Inclusive Purposeful

To actively restore and regenerate ecological systems, rather than just reducing impact.

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To ensure that diverse viewpoints and knowledge are included and respected in the engineering process.

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To consider all the impacts of engineering, from a project or product's inception to the end of its life. This should be at a global and local scale, for people and planet.

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To meet the needs of all people within the limits of our planet. This should be at the heart of engineering.

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Do you see these principles within your degree? If so, where?

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How could your Chapter embed these principles into activities throughout the year? Jot down some suggestions below, and share them with your committee:

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The UN Sustainable Development Goals

The UN Sustainable Development Goals (SDGs) are a useful framing for understanding global responsibility. The goals, launched in 2015, lay out 17 areas to end poverty, protect the planet and ensure that all people enjoy peace and prosperity. We are now in the Decade of Action (2020-2030) and time is running out to deliver on the SDGs. [The Sustainable Development Report 2022](#), including the SDG Index, tracks progress against the SDGs. We need to dramatically accelerate efforts if we are to meet our global targets.

All the UN SDGs are impacted by engineering, whether it is directly or indirectly. It is important to know the global impact the industry has, and understand that all the goals are interconnected.

SUSTAINABLE DEVELOPMENT GOALS



Pick one UN SDG from each list and consider the following:

- What is the goal trying to achieve?
- How does this goals interact with others in its list?
- Pick a goal, how is this goal relevant to the engineering industry?
- What could engineers do to ensure we reach the target set out against this goal?

List 1

Affordable and Clean Energy
Decent Work And Economic Growth
Industry, Innovation And Infrastructure
Sustainable Industries And Infrastructure
Responsible Consumption And Production
Reduced Inequalities

List 2

Climate Action
Life Below Water
Life On Land
Peace, Justice And Strong Institutions
Partnerships For The Goals

List 3

No Poverty
Zero Hunger
Good Health And Well-Being
Gender Equality
Clean Water And Sanitation
Quality Education

Goal:

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Do you want to learn more about global responsibility?

We have partnered with Forage to design the [Globally Responsible Engineering programme](#) aimed at up skilling those within and entering the engineering community on globally responsible practices.

This programme will help you develop crucial skills in problem-solving, critical thinking and communication. Upon completion you will receive a certificate signed by our CEO that can be shared across social media and added to your CV.



Section 3

Running an Engineers Without Borders UK Chapter

Chapters are established by university students who want to see real change in engineering. Together, they create a network that is contributing to the tipping point to ensure a safe and just future for all through extracurricular activities, working with communities within and outside their universities. The project and activities they deliver allow students to trial ideas and concepts, as they begin their careers and journey as globally responsible engineers.

Who supports Chapters?

Engineers Without Borders UK staff team is there to support you throughout the year. Your main contact will be Milly Dyer, our University Engagement Lead, but you may also interact with Emma Crichton, our Head of Engineering



Milly Dyer
University Engagement Lead

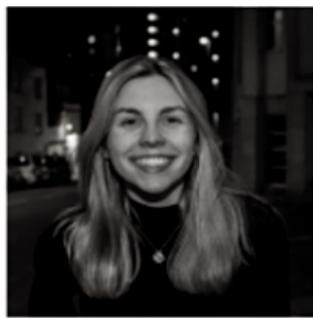


Emma Crichton
Head of engineering

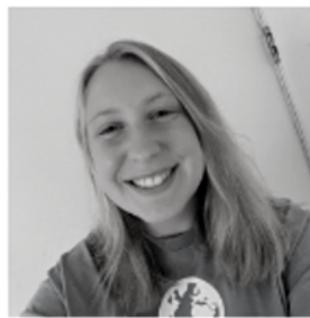
We currently have 4 student champions. They work closely with the Engineers Without Borders UK staff team to provide insights from a student perspective and support the delivery of events and facilitate workshops. This year they will be working with Chapters to offer additional support. You can contact them directly on [Slack](#).



Cleo Parker
EWB Birmingham



Ellie Carey
EWB Bristol



Helen Aries
EWB Cardiff



Toni McLaughlin
EWB Glasgow

Chapter activities

Chapter activities can be split into four broad sections:

Workshops:

Many Chapters run workshops which get their members to think about different issues or topics. Highlights in recent years have been workshops focused on the UN SDGs or on COP26. This year we will be co-creating workshops with Chapters - if you're interested in supporting this then let us know.

Talks:

Many Chapters host panel events and talks throughout the year to share new ideas and topics with their members. Engineers Without Borders UK can support you with finding speakers, but it is a great opportunity for you to expand your network by reaching out to people in LinkedIn.

Socials:

Social activities are an important part of running a Chapter. They allow you to grow your membership and provide opportunities for students to meet new people who are passionate about global responsibility.

Projects:

It is important that projects are focused on being educational - providing a space for students to put their learning into action, support the local community and ensure they have a good understanding of global responsibility. We will be sharing guidance on how to effectively run projects in September.

Brand guidelines

Brand is not limited to typography and logos, but plays an increasingly essential role in the impact of the movement. From how we present ourselves at a corporate level to our tone of voice on a single social media post, we must ensure our brand identity is unified. By following guidelines you are ensuring recognition of the movement, by increasing our visibility and therefore impact.

It is important that all committee members are aware of our Chapter brand guidelines, but it is especially relevant to anyone who produces social media graphics. Please take time to [read our brand guideline document](#), before answering the questions below.

What are our primary colours?

What fonts should you use?

Which of the following is the correct way to refer to Engineers Without Borders UK? *(Please tick the correct box)*

- | | | | |
|--------|--------------------------|------------------------------|--------------------------|
| EWB UK | <input type="checkbox"/> | Engineers Without Borders | <input type="checkbox"/> |
| EWB | <input type="checkbox"/> | Engineers Without Borders UK | <input type="checkbox"/> |

Your tone of voice is important, what qualities should your voice be in keeping with?

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Using logos across your resources instantly affiliates us with your message. Therefore, as well as making sure that your messaging matches our key messaging, it is extremely important that you use the correct logo.

If you are using a logo which is different to those below, please email us.



Planning events for your Chapter

As a Chapter you have the power to spread the message of Engineers Without Borders UK far and wide, highlighting the importance of globally responsible engineering. It's an opportunity to let your creativity run wild and plan the event of the year!

You know you want to host an event but don't know where to start? Follow these steps below to get started:

- What do you want to achieve?
- Who do you want to attend the event?
- Where will you hold your event?
- When will you host your event?
- How will you run your event?

Check out our [Chapter events resource](#) for further information on running successful events.

Having a successful Freshers!

Freshers is an important milestone in the academic calendar. It is the perfect opportunity for you to engage new Chapter members. If you haven't already, make sure you have considered the following:

- Meet with your fellow committee members before term begins.
- Make sure you are signed up to opportunities offered by your university or Students' Union.
- Consider what events you will be running.
- Confirm how you will collect details and communication with students interested in the Chapter.

We'd recommend having a social event planned for the first few weeks of term. This will provide you with a great way to meet new members and offer them an opportunity to learn more about Engineers Without Borders UK.

Don't forget - you don't have to just engage engineers. We have Chapters members studying architecture, product design, physics and chemistry.

Setting objectives for the year

Not only does setting objectives before starting a task or project ensure you are using your time most effectively, it is also a key skill which is common place in places of work, so getting into the habit now will only benefit you in the future.

We use the acronym SMART to set effective objectives. This stands for specific, measurable, achievable, relevant and time-bound. These prompts help you to consider how to best achieve your goal.

- Specific** Clearly state what specific task you need to carry out.
- Measurable** Include measurable targets to track progress and evaluate success.
- Achievable** Ambitious but realistic with the resources you have.
- Relevant** How is your objective working towards the wider purpose.
- Time-bound** Make sure your objective has a deadline.

Use this space to write down your own personal objective as a committee member this year.

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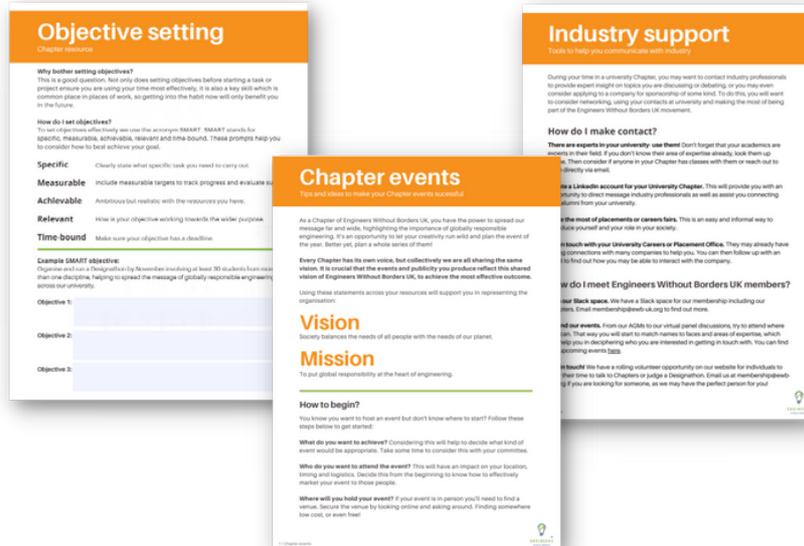
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If you haven't already, find time as a committee to set some objectives for the next year. Share these with the Engineers Without Borders UK team and they will check in with you in January to see how you're getting on.

Chapter resources

We have a range of resources available to all Chapters [on our website](#). These resources are there to support you throughout the year. If you think something is missing then let us know!



How can you contact us?

Slack

Slack is the best way to chat to other Chapters and Engineers Without Borders UK staff. All Chapter committee members have been invited to the Slack channel. Alternatively you can join our Slack channel [here](#).

New to Slack? Check out this [quick start guide](#).

Each Chapter has a private Slack channel where you can chat directly to Engineers Without Borders UK staff, and each other.

We'd also recommend you join the following channels:

- #chapter-activities
- #general
- #introductions

Email

You can also reach us by emailing membership@ewb-uk.org.



Section 4

Additional resources

To deepen your understanding of the organisation, your role and global responsibility, we have compiled an ever-growing reading list for you to explore. Feel free to share this with your members.

If you have anything you'd add to this list, please let us know!

Read

[Amsterdam Is Embracing a Radical New Economic Theory to Help Save the Environment.](#)

[Could It Also Replace Capitalism?: Time Magazine](#)

[Climate scientists: concept of net-zero is a dangerous trap: The Conversation](#)

[Why we need engineers who study ethics as much as maths: The Conversation](#)

[Should Engineers Learn the Trade as an Art as well as a Science?: Engineering for Change](#)

[The World Bank is eliminating the term "developing country" from its data vocabulary:](#)

Quartz

[Doughnut Economics: Kate Raworth](#)

[There is no planet B: Mike Berners-Lee](#)

[Design for Zero: J J Orr, M Cooke, T J Ibell, C Smith and N Watson](#)

[Power and love, a theory and practice of social change: Adam Kahane](#)

[Why renewable energy infrastructure needs to be built for a circular economy: Ellen Macarthur Foundation](#)

Watch

Learning from failure: Engineers Without Borders Canada in 2011

Why it's time for Doughnut Economics: Kate Raworth in 2014

The danger of a single story: Chimamanda Ngozi Adichie in 2009

Sustainable community development, from what's wrong to what's strong: Cormac Russell in 2016

Engineering to meet the Sustainable Development Goals: Royal Academy of Engineering

How to have constructive conversations: Julia Dhar

What you need to know about carbon removal: Gabrielle Walker

Using your voice is a political choice: Amanda Gorman

Listen

Engineering Matters Podcast

The Engineers Collective Podcast: Using our skills to benefit society and the importance of ethics in engineering

Impact Boom

Did you read/watch/listen to anything? Jot down anything you learnt below. Share these thoughts in Slack.

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We look forward to working with you this year!



Building Community Leaders

