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MAYOR OF LONDON

Curious about Climate Learner Handbook





Thank you for doing the Curious about Climate e-learning module produced by Babcock International in partnership with the London Anchor Institutions' Network (LAIN) which is supported by the Mayor of London.

This handbook is a place for you to record your notes and reflections.

It also contains a section to record two 'climate pledges' once you have completed the e-learning.

These pledges should be actions you will take within your role to help tackle the climate emergency.

Need support?

If you require support navigating this handbook, click on the icon below on any page. It will read the content aloud to you.





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Set your learning goals



The Curious about Climate e-module contains information and exercises that are designed to help you understand and explain:

- The key concepts behind climate science.
- The urgency of taking action to tackle climate change.
- The biggest climate risks facing London and what can be done to mitigate them.
- Your personal carbon footprint.
- The actions you and your institution can take to make a difference.

Before you get started, take a moment to think about why you're completing the e-module and what you hope to gain from it.



1. What motivated you to do this course?

2. How do you hope it will support your goals in your work, education or community activities?

3. What key questions do you have about climate?

4. How do you think the answers above could help you in work, education or community involvement?



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Record your key takeaways





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Use this document to record the information and insights that are most relevant to you.

There's a space for your notes on each of the six modules within the training, followed by a section to record your climate pledges.



Unit 1:
How did we get here?



Unit 2:
What on earth are greenhouse gases?



Unit 3:
Is the world doing enough?



Unit 4:
Is this the end of oil?



Unit 5:
The business of climate change.



Unit 6:
Can one person make a difference?



Your Climate Pledges

Taking Action





Now that you've completed the e-module, it's time to turn your learning into action.

You're invited to create two climate pledges that will help you – and the organisation, education setting, or community you are a part of – respond to the climate emergency.

These pledges should be new and not something you may already be doing.

Your first pledge should focus on reducing greenhouse gas emissions and moving towards net zero. **This is your climate mitigation pledge.**

Your second pledge should focus on building resilience to the impacts of climate change such as flooding, extreme heat, or supply chain disruption. **This is your climate adaptation pledge.**

Try to make your pledges **work, education, or community-related**, rather than just focusing on personal choices e.g. travel or diet. What is the **most impactful** thing you could do in your role in your organisation, education setting or community?

Keep in mind that many of us will contribute through indirect actions like advocating for change, embedding climate considerations into decision-making, or raising awareness among others. These actions are just as valuable.

We know writing pledges can be difficult. Give yourself plenty of time and space to reflect. If you feel stuck, take a break, and return to it later. It can also be helpful to discuss your ideas with others who've completed the training.

It's normal to feel like your influence is limited, but small, meaningful actions can lead to real change.

You might also choose to include your pledges in your work objectives or personal goals, and find time to discuss them with a manager, mentor or peer.



My Climate Pledges

Pledge One - Reducing Emissions

Pledge Two - Adapting to climate impacts

Make sure you save these pledges somewhere you can find them easily.

Why not create a calendar invite for yourself in 6 months to check how you're doing?





References

- THE 17 GOALS | [Sustainable Development \(un.org\)](https://www.un.org/sustainabledevelopment/)
- Advantages and Challenges of Wind Energy | Department of Energy <https://www.energy.gov/eere/wind/advantages-and-challenges-wind-energy>
- The most powerful renewable energy - BBC Future <https://www.bbc.com/future/article/20200713-the-most-powerful-renewable-energy>
- Which form of transport has the smallest carbon footprint? <https://ourworldindata.org/travel-carbon-footprint>
- What's the carbon footprint of a cup of tea or coffee? <https://www.theguardian.com/environment/green-living-blog/2010/jun/17/carbon-footprint-of-tea-coffee>
- Lifestyle Calculator by and the UNFCCC Secretariat <https://www.lifestylecalculator.com/doconomy>
- Nuclear explained <https://www.eia.gov/energyexplained/nuclear/nuclear-power-and-the-environment.php>
- 11 FACTS ABOUT NUCLEAR ENERGY <https://www.dosomething.org/us/facts/11-facts-about-nuclear-energy>
- How Much Power is 1 Gigawatt? <https://www.energy.gov/eere/articles/how-much-power-1-gigawatt>
- The most powerful renewable energy <https://www.bbc.com/future/article/20200713-the-most-powerful-renewable-energy>
- Advantages and Challenges of Wind Energy <https://www.energy.gov/eere/wind/advantages-and-challenges-wind-energy>
- 13 little-known facts about wind energy <https://www.opusenergy.com/blog/13-little-known-facts-about-wind-energy/>
- The Cloudiest Cities In The World <https://www.worldatlas.com/articles/cities-who-receive-the-least-sunshine.html>
- Global trends in climate change litigation: 2022 snapshot <https://www.lse.ac.uk/granthaminstitute/publication/global-trends-in-climate-change-litigation-2022/>
- Here's how climate change will impact businesses everywhere – and what can be done <https://www.zurich.com/knowledge/topics/climate-change/how-climate-change-will-impact-business-everywhere>
- The Deloitte Global 2022 Gen Z and Millennial Survey <https://www.deloitte.com/global/en/issues/work/genzmillennialsurvey.html>
- Clean Water <https://ourworldindata.org/water-access>
- Where in the world do people emit the most CO2? <https://ourworldindata.org/per-capita-co2>



References

- Food: greenhouse gas emissions across the supply chain <https://ourworldindata.org/grapher/food-emissions-supply-chain>
- NASA Climate Change Evidence <https://climate.nasa.gov/evidence>
- WHO Drinking Water <https://www.who.int/news-room/fact-sheets/detail/drinking-water>
- WEF Global Literacy <https://www.weforum.org/stories/2022/09/reading-writing-global-literacy-rate-changed>
- Global Megatrends Statistics <https://www.statista.com/topics/3512/global-megatrends/#topicOverview>
- IPCC Special Report on 1.5C <https://www.ipcc.ch/sr15/>
- National Geographic <https://www.nationalgeographic.com/animals/article/how-is-wildlife-doing-now--ten-years-after-the-deepwater-horizon>
- Ella Roberta Foundation <https://ellaroberta.org/about-us/air-pollution>
- EV vs Gas https://www.youtube.com/watch?v=P2x_iZWTotk
- ICCT https://theicct.org/a-global-comparison-of-life-cycle-ghg-emissions-from-passenger-cars/?gad_source=1&gad_campaignid=22639629046&gclid=CjwKCAiA2s-vlBhB-EiWARWDPjoQ1AUAg4U6yjq-ZEoe2SmibQLAktPoB1v7eHFICy5vcrYkcnpZt-WhoCxgoQAvD_BwE
- Big oil vs the world <https://www.bbc.com/mediacentre/2022/big-oil-vs-the-world>
- Climate Action Tracker <https://climateactiontracker.org/countries/>
- Our World in Data <https://ourworldindata.org/food-choice-vs-eating-local>
- UK heatwave: Forty homes destroyed by wildfires in London <https://www.thetimes.com/uk/politics/article/uk-heatwave-record-high-of-40-3c-sparks-wildfires-in-tin-derbox-britain-rs6z3crdc>
- Storm Daniel fueled by anomalously high sea surface temperatures in the Mediterranean <https://www.nature.com/articles/s41612-024-00872-2>
- Hot, dry and windy conditions that drove devastating Pantanal wildfires 40% more intense due to climate change <https://www.worldweatherattribution.org/hot-dry-and-windy-conditions-that-drove-devastating-pantanal-wildfires-40-more-intense-due-to-climate-change/>
- Which countries have contributed the most to historical CO₂ emissions? <https://ourworldindata.org/data-insights/which-countries-have-contributed-the-most-to-historical-co-emissions>



References

- Share of people who say their government should do more to tackle climate change <https://ourworldindata.org/grapher/support-political-climate-action?tab=table>>
- Renewable electricity-generating capacity per person <https://ourworldindata.org/grapher/renewable-electricity-generating-capacity-per-capita>
- Where Extreme Weather Has Displaced the Most Children <https://www.statista.com/chart/30980/children-displaced-due-to-weather-related-disasters-by-country/>
- Climate Funds Pledge Tracker <https://www.nrdc.org/resources/climate-funds-pledge-tracker#adaptation-fund>
- Where does the world get its energy? <https://www.iea.org/world/energy-mix#where-does-the-world-get-its-energy>
- We've won in court against the UK government for the second time <https://www.clientearth.org/latest/news/were-taking-the-uk-government-over-its-net-zero-strategy/>
- Greenhouse Gas Equivalencies Calculator <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator#results>
- What is change the system? <https://takethejump.org/system-change>

