

## Project Presentation: Finding Solutions to Global Challenges

### Information for Students

All across the world, people are working hard to find solutions to challenging environmental problems such as: climate change, plastic pollution, air pollution, loss of biodiversity and deforestation. By 2050, it is predicted that you will be one of 9 billion people living on the Earth and this means that the demand for energy, food, fresh water and land will greatly increase. Engineers are having a really positive impact by designing and developing sustainable solutions such as designing carbon capture technology, finding creative ways to harness renewable energy and even building giant recycling robots!

Your mission, as Research Engineers, is to find a solution to this important question:

How could engineers help future-proof the world?

You can present a new idea or your own improvements to a current engineering solution.

As Research Engineers, you need to work together to come up with creative and effective solutions to the global challenge that you choose. You then need to be able to communicate your research findings clearly in a PowerPoint presentation. A template presentation is attached for you to use and adapt.

### Information for Teachers

We have created a PowerPoint template with a suggested structure for your students to follow. It's deliberately basic so that they can make it look much more interesting with their ideas and creations!

- Give to as many students as you would like to who can work independently or remotely in pairs or groups
- Students can all save their own project presentations to their school network
- Perhaps run an in-school competition for the best project presentation
- If you would like to share some projects, put them together in one file and upload here.

You may want to reach out to our STEM Ambassador scientists and engineers working in your chosen topic. They will be excited to hear and work with you on all of your team's great ideas!

Request at [www.stem.org.uk](http://www.stem.org.uk)

We can't wait to see the interesting ideas for creating a sustainable future! If your students want to take part in this task and want to take part in the competition please upload your assignment or share with your delivery partner by 14 May 2021 5pm.