



# Can we **TRAVEL** the **GLOBE** and still be **GREEN?**

**Change the way the world moves:**  
Design electric planes, scooters and trains.  
Transform cycle routes. Develop sustainable  
aviation fuel. Enable Hyperloop. Create the  
next carpooling app.

**Engineer your future.**

Visit [neonfutures.org.uk/green](https://neonfutures.org.uk/green)

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Brilliant Inspiration



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Listed below are some prompts for teachers to use with their students in class, as part of a class discussion, small group activity or suggested homework.

To view, download or order printed copies of other posters in this series (along with other inspiring engineering careers resources) go to: [www.neonfutures.org.uk/resource](http://www.neonfutures.org.uk/resource)

You could also get your students to take the Meet the future you careers quiz, helping them match their skills and interests to different engineering job roles: [www.mtfy.org.uk](http://www.mtfy.org.uk)



Teachers can scan here to find case studies, useful links and further content related to environmental and sustainability careers in engineering



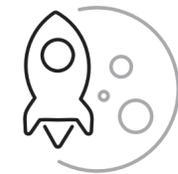
### Questions:



How do I travel the world sustainably?



How important is travel in an increasingly virtual world?

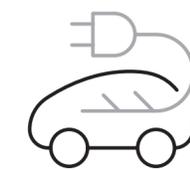


Can we move to another planet?

### Activities:



Investigate which bio-fuels could be used for transport



Design your own personal, eco-friendly transport



Plan your low-carbon commute to school



# Will we need **FOSSIL FUELS** ... in **2050?**

**Change the way we power our world:**  
Algae fuel, pedal power, fuel cell  
technology, smart lighting, hydropower,  
giant space reflectors, PV cells.

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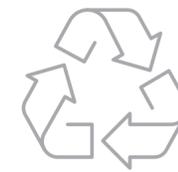
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### Questions:



Can we harness the energy in our bodies?

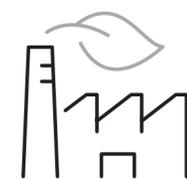


Is nuclear power 'renewable'?



Should we generate our own power at home?

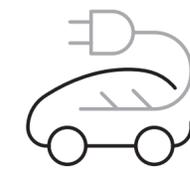
### Activities:



Think of different ways to sustainably power your school or home



How could you work out your school's carbon footprint?



How far would you need to walk, to generate the amount of electricity you use in a typical day?

# Can we **EAT** OUR WAY TO A HEALTHIER PLANET?

## Change the way we eat:

Robotic harvesting, urban farming, 3D printed food, sustainability-checking apps, aquaponics and hydroponics, global food distribution, sustainable packaging.

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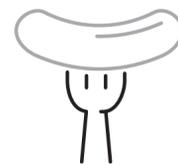
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### Questions:



Can we save the planet and still eat meat?



What can we grow vertically?



Should we stop flying food into the UK?

### Activities:



Design a sustainable food menu



Explore how engineers can tackle food poverty in sustainable ways



Grow cress in the sun versus under artificial lighting



# DOES LOOKING GOOD need to cost the EARTH?

**Change the way we use things:**  
Fruit fabrics, bioplastic, upcycling,  
automated waste sorting, smart cards,  
sustainability-checking apps,  
biodegradable packaging, sustainable  
manufacturing, ocean cleanup technology.

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### Questions:



Will your clothes outlive you?



Do we have enough land for landfills?



Could food be the future of fashion?

### Activities:



Design a clothes swapping app



Find a bio-plastic example. Can you re-design the item in a more sustainable way?



Think about things that aren't normally recycled. How could we recycle them?