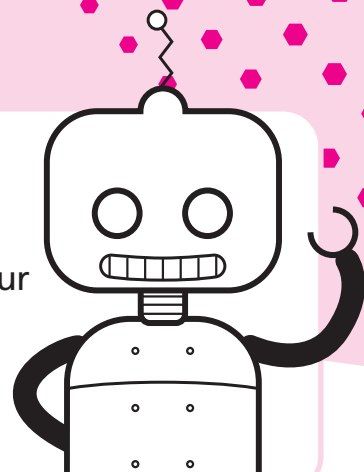


Your limited edition badge booster from Rolls-Royce

Engineer who?

**Amazing! Well done on completing Stage 4
Innovate skills builder!**

You've discovered and developed lots of new skills that could help your future dream career. Don't worry if you don't know what that is yet, most people don't, but let's investigate some exciting engineering careers and see what positive change you could make in the future.



Note to leader

This is an extra activity sheet for your girls to complete at home. We hope this inspires great innovators of the future!

Your challenge

Whatever your background, engineering and technology can help you do amazing things and make a difference in the world.

Engineers do so many things, from protecting the environment to developing all sorts of new things in food, medicine, music, and travel, to name just a few.

Let's see what incredible inventions you can create for a better future.

What to do

- 1** Look at the engineer profiles. Choose one that excites you and draw or write down everything you discovered whilst doing the Innovate skills builder that would help you become that engineer.
- 2** What positive changes could you make as that engineer in the future? Could you become a green hero and transform the future of flying? Or what about inventing ice cream that never melts? Sketch out some of your inventive ideas. Jot down notes so you remember the details.
- 3** Once you're done, show your amazing inventions to someone. This could be someone in your unit, your family or friends. Talk them through the amazing changes you're going to make to the world as an engineer.



Working in partnership with



WE DISCOVER, WE GROW

Girlguiding

Engineer profiles - which will you become?



Eco-Warrior!

Saving energy, reducing waste and protecting our planet. Engineering is at the heart of finding **sustainable** solutions.

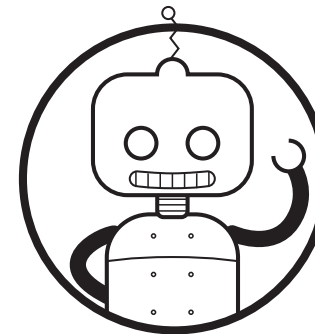
Sustainable means that it is the safest and best long-term solution for protecting our planet. We need renewable energy, sustainable transport (like cycling), and recycling to reduce the amount of carbon in our atmosphere.

Specialist engineers, like aerospace, investigate lots of ways to make travel more sustainable by inventing cleaner, quieter and more energy efficient aircraft.

Terrific technology!

Technology is everywhere. From communicating with friends, playing games, travelling and beyond – technology's changing the way we do things daily.

Tech engineers create incredible things that connect our world. Whether you're into phones, apps, games, robots or virtual reality - you can be part of how technology shapes our future.



Sharing's caring!

Engineering can make a huge difference to all our lives, and that also means helping those most in need.

This might be helping those affected by natural disasters (like floods), developing medical technologies to find and treat diseases, or making sure those in the poorest communities have access to a supply of food, water and energy.