

Making a difference

Come up with a green idea and use engineering to help change the world

Suitable for Scouts

As environmental issues rise along with the number of people who travel by air, we have to find new ways to travel that have a smaller impact on our world. Carbon emissions, noise pollution and the rising cost of fuel means we need new solutions. Rolls-Royce is working on a power revolution to see aeroplanes powered by electricity. In this challenge, young people will come up with their own ideas to create a more sustainable future.



SAVE OUR
PLANET



Time needed
90 minutes over
several sessions

Badge



Rolls-Royce partners the Cub and Scout Scientist Activity Badges

Partner



Outcomes

Young people will be challenged to come up with ideas for reducing the human impact on the planet through more carbon-neutral air travel or another innovation that will help to cut carbon emissions. This will inspire them about the opportunities available through a career in STEM (science, technology, engineering and maths).

More information

For more badge resources and activities go to scouts.org.uk/supporters/rollsroyce.



You will need

- pens or pencils
- paper

Instructions

1 The Scouts are challenged to invent a piece of technology that will help us ensure a greener future – this could be about flying aeroplanes or any other environmental challenge that's threatening our planet, such as making sure those in the poorest and most remote communities have access to a supply of food, water and energy. Have a discussion about the information provided in this activity and open it up to new ideas.

2 When coming up with their inventions, the young people should think about the design and innovation, and about finding solutions to the existing problems raised in the discussion.

3 The Scouts can either write down or draw their ideas, with annotations to explain their invention.

4 Once they have come up with the idea, the Scouts should look critically at their design and analyse it for any potential problems and how it can be further improved. Share ideas and work together to come up with the best solutions.

Careers in STEM

Find out about the STEM careers available with Rolls-Royce at careers.rolls-royce.com/united-kingdom.



Did you know?

By 2030, the International Air Transport Association predicts there will be six billion people flying every year. Rolls-Royce says that with electric power, planes will be able to take-off and land vertically, cutting down on noise, fuel emissions and space.

