

Writing whiz kids!



Cranfield University is a special place full of people who LOVE science and engineering. We work hard using our STEM skills to solve problems and help develop new ways of living and working, in topics like this:

Producing clean energy

Electric and driverless vehicle technology

Generating clean water and safe sewage disposal

Flight safety and designing future aircraft

Improving manufacturing processes and making clever materials

Waste management and producing energy from waste

Making technology to produce, store and process food

There are lots of skills that are important to people who have jobs in STEM. Being able to write and talk to people about the things you do is a big part of the job and helps to get people interested and involved in what you do – helping to get the best results as a team.

Will you accept our 'writing whiz kids' challenge and produce a piece of written work for us?

You can choose from any of the challenges below and can do more than one if you are feeling up to even more of a challenge!



A job description for a scientist or engineer.

A story: use your imagination and ideas to write a thrilling, funny or exciting tale. The rules are that the story must include a problem; an invention or discovery that solves the problem; a hero scientist or engineer; a villain.... and a happy ending!

A poem about STEM. Maybe you want to write a limerick about maths, or a piece of prose celebrating what problems science can solve, or a funny rhyming piece about an experiment going wrong?

A factual piece: do some research and produce a factual piece of writing or poster about engineering. This could be about engines, aircraft, cars, renewable power, robotics, space engineering, design engineering or any other STEM topic that inspires you.

Design an invention to solve a problem you have encountered at home. This could be around food waste, a robot to help with a job, a way to grow food and know when it's ready to dig up, or an alternative way to power your home. Draw or paint a picture: can you label key parts and describe how it works? Or perhaps you want to make a model?



We have some links on our website to other organisations as passionate as we are about STEM. You might like to have a look at our website and some of these for inspiration. Remember the e-safety rules you have been taught at school and home by parents and carers when using the internet. Talk to them about what you want to look for and maybe you could explore together and even teach them what you know about STEM!

