

Women in Engineering - Newsletter

2020 will be the 5th year of WinE at the RNLI and we're thrilled to have you on board.

Here you'll find latest STEM and RNLI news to fuel you for this year's event.

"I really enjoyed all of the activities because it shows that girls can do anything that inspires them" Anonymous



What does an engineer look like?

STEM Learning asked people to send in photos and explain their job to demonstrate the diversity of people and roles in the sector. Here's some highlights:

- Design Engineers at Network Rail who 'help to put passengers first, by designing a railway suitable for the future'
- Thermal Modelling Engineers who 'plays an important role in reducing carbon footprint and ensure buildings are more energy efficient. My aim is to reduce global carbon emissions providing a clean environment.'
- Trainee Clinical Scientist who 'Clinical engineers help make the world a better place by helping to improve healthcare, which is very technology dependent. In my role, I have been involved with ensuring medical equipment is safe and available to use when it is needed.'

[Read more](#)



Pupils design app to help deaf children in lessons

Schoolchildren have designed an app which transcribes school lessons for people who are deaf or have hearing loss. It was part of a competition run by Amazon Web Services (AWS) to encourage young people to consider careers in technology. As prize winners they will have the Connect Hearo app developed by AWS. It will then be rolled out for use in schools.

[Find out more](#)

Quiz - Meet the future you

Ever wondered what an engineer does? Could you see yourself exploring outer space, protecting the environment, designing apps or developing cures for diseases? Engineers do all this, and more!

[Do the quiz](#)



3D Printing & the RNLI

What's so good about 3D printing? It has the capability to produce highly complex structures which are near impossible to produce with any other manufacturing method. This allows unlimited opportunities for innovation, reduces costs and lead times, and it gives designers complete freedom and offers engineering benefits such as lighter parts and faster development processes.

The RNLI is working with a team of engineers and industry specialists to analyse which areas could benefit from 3D printing. We're looking into producing lifeboat parts with 3D printing, as well as specialised jigs and moulds which could significantly reduce our production times.

[Find out more](#)

Meet the statistics

In 2018 According to Engineering UK 2018 the following are the latest statistics interpreted from the report by WES (women's engineering society):

- 12.37% of all engineers are women in the UK. An improvement from 11% in 2017
- 21.80% women work in the engineering sector (incl. engineers)
- 46.4% of girls 11-14 would consider a career in engineering, compared to 70.3% of boys



Forward thinking foot fashion

Asha is a footwear production engineer at famous British boot brand Dr. Martens. Having applied for the apprenticeship, Asha says the best part of her job is being able to produce a shoe from start to finish.

Follow along with Asha and the team on their Instagram page @drmartens_apprentice

[Read more](#)