



Emily - Mechanical Designer

Emily's love of art and drawing has brought her to work for a world-leading engineering institute.

At the UK Atomic Energy Authority (UKAEA) they're trying to develop a machine that will make energy from nuclear fusion, the process that fuels stars. If they are successful at recreating this reaction on earth, it would mean a carbon-free, boundless source of energy for mankind.

As a Mechanical Designer, Emily plays a key part in helping to make this happen.

"Day-to-day I'm working on various different projects, creating 3D models, assemblies or drawings, depending on what's required for the job. There's so much to work on, so many different systems. I think it's exciting to be able to think 'I was involved in that project!'"

Emily did English and History for A level, but her enjoyment of Maths led her to consider a career in engineering. Looking into her options she realised that mechanical design was the subject for her.

"When you're at school and you're looking at what you want to do in the future, if you have hobbies or interests and skills in your home life that are your passions, then it's really good to bring them into the job you choose to do."

"I'm quite arty, I'm quite creative, I do a lot of drawing - and I've found that actually really helps. But also if you like doing DIY or building things at home then I'd recommend going down the technician route because it's something you'll enjoy, and everyone wants to do a job that they enjoy!"

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technicians.org.uk

2013
Completed three A levels in History, English Literature and Maths

September 2013
Started a 4-year Advanced Mechanical Engineering apprenticeship with UKAEA

2015 - 2017
Studied part-time for a HNC and a HND in Mechanical Engineering while continuing her work at UKAEA

September 2017
Became a Mechanical Designer

September 2018
Began a part-time BEng in Engineering design with Buckinghamshire New University



UK Atomic
Energy
Authority

