

Student Name _____

Mechanical Engineering

Whilst studying Mechanical Engineering, you will have the opportunity to develop your knowledge and practical skills, understand the various roles within the engineering industry, the importance of technology for the future and pathways to different careers.

We have prepared a range of activities below that will help give you an understanding of the industry and we will discuss the topics in further detail once your course has started. Once you have completed the activity below please email it to applicants@knowsleycollege.ac.uk with the subject line, 'Completed Mechanical Engineering Applicant Activities'. We look forward to meeting you soon.

Kind regards,
Mechanical Engineering Tutors

'Research' Activity

Before you complete the activity below, please watch the videos as they provide a brief understanding of "What is an Engineer?"

<https://youtu.be/owHF9iLyxic>

<https://youtu.be/bipTWWHya8A>

Task

During the Covid 19 pandemic all types of engineering companies, including automotive, aircraft and medical, have been affected. The future of some engineering companies is uncertain, and many companies have had to furlough their workers and are relying on the Government's support to get them through this difficult time.

We would like you to conduct research to determine 'How the engineering/manufacturing sector responded to the Coronavirus crisis'

We would like you to think about:

- How businesses adapted to the Government's call for the manufacturing industry to help manufacture PPE (Personal Protective Equipment).
- Companies have had to change working environments to maintain social distancing.
- Have people at home or in small groups with access to 3D printers made an impact manufacturing PPE?

These are just some points to consider - you can think of your own too!

Your research should then be constructed into a written piece that responds to the topic outlined above.

It should be approximately two pages, in font size 12 and can include images/graphs and comments taken from relevant websites.

Do not forget that you can read documents, newspapers, watch TV and listen to the radio – not all research needs to be carried out on the internet.