

# Review of Work Experience 2021

I have tackled many projects during this week and been included in interesting meetings to do with STEM in Industry. I have enjoyed working with Mike and Beckie and they have always been helpful and engaging.

## Data Handling Project

For this project I was required to create a menu for an Arctic Explorer. This required a lot of research but it was intriguing to see what an Arctic Explorer needed and it was fun to come up with meals for my cafe. My menu turned out quite well, although I could have put more emphasis on the data handling. This project was quite enjoyable even though it was very research intensive and it was quite interesting to see how it has developed in the booklet as Beckie and Mike worked on it whilst I gave it a go.

## 3D Design Project

I very much enjoyed this project as it is based around design which I love doing. First of all I made a mood board which I compiled using Pixabay and this helped to remind me about the copyright laws surrounding images. After this I was let free to design some ideas for a keyring that a company could hand out at school careers fairs and had fun experimenting with different designs before inputting them into Tinkercad. This gave me a chance to brush up on my Tinkercad skills and I worked with Mike to address design problems around fine details and this helped with how the project was depicted in the booklet.

## Meeting with Newcastle University

This meeting was relevant for me as it revolved around University events and projects to do with engineering. Abby French was helpful in answering questions about this and describing her experiences. The rest of the meeting was about details to do with RWE and UK STEM being involved in helping the students at Newcastle University with some of their required projects.

## Sofia Vessels Top Trumps

For this project I made top trumps about the vessels being used for the Sofia Offshore Wind Farm Project. This was quite challenging for me as I had never researched boats before despite hearing of the Sofia Project in my work experience with UK STEM last year. I quickly got to grips with the pieces of information needed on the cards and after a few hours of searching found almost all the information required. Then, I compiled this in PowerPoint and had fun adding some pictures. I am quite happy with the result of this project and hope they can be useful.

## Google Earth Project Research

This project was quite short and I was required to research centres of conservation that could provide a possible route for pupils working on the project. I based one on Orangutans and one on Birds and it was entertaining to learn about what each

centre did. However, it was saddening to see the length of the endangered species list on WWF.

## Meeting with North Lincolnshire Council

I enjoyed this meeting and the council members were friendly and open to discussion which helped to break any ice present. Mike and Beckie took over presenting the project and we had a meeting beforehand discussing extra touches and ideas. It was interesting to see how quickly and confidently they applied this. It was also rewarding to see our work being presented and know that it will be used to help children learn in the future.

## Crumble Coding Project

I found this project very enjoyable and had an easy time working out the hardware due to Beckie's diagrams in the booklet. The code was hard to understand but I figured it out relatively quickly and me and Beckie discussed splitting it up into sections for younger children which may help them understand it quicker. Once up and running, I had lots of fun playing and figuring out the game as well as designing the casing and making the box. Overall, this project was fun and I will always have the game and code to remember it.

I have had another wonderful experience at UK STEM this year and am forever grateful to Mike and Beckie for continuing to offer me these opportunities and keeping in touch. The projects this year were varied and so kept me on my toes which I have enjoyed keeping up with despite it being quite tiring at times. They have opened me up to new areas I did not know existed before, such as Electrical Transmission and Distribution and Project Management Appreciation, and I have had lots of fun exploring these. I hope to be able to have more experiences like this later on in my life.