


# Career readiness challenge

Hello, I'm Leo writing this and credits Anne and Walle for helping out with some of the photos. We are in California and we are 65018A or Blue Army. The city we are in is Rancho Cucamonga, the beautiful city in South California.

I chose Tesla and I knew that they had a similar design process as us, because there was one of us making the sketches on what the robot had and also once the sketches were done. The person would try to make a prototype and once the other person tests it and it works. But if it doesn't, the person testing tells the two other people it doesn't work. The sketcher will make another

sketch and sends it to the builder and the prototype will be built. And if it works we improve it more and more until it's like a good enough robot. Or it's a rinse and repeat.

In my personal opinion it might have prepared me for the Universal Technical Institute (UTI) or the job as an

engineer . It will help me with my career in like nine to ten years. Also it can help me have responsibility to help and contribute to my team. It'll also help me prepare for Vex V5 or EXP. In my personal opinion the challenging part of the Vex IQ is helping people grow in their knowledge of the engineering design process.



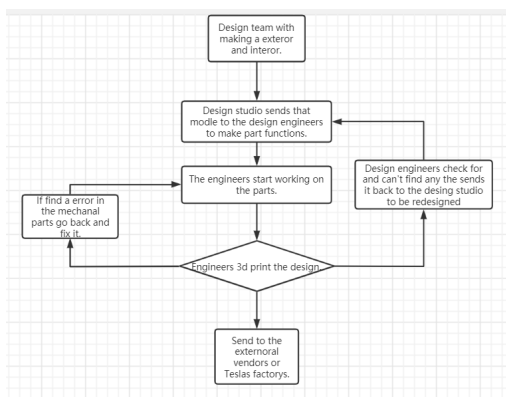
The engineering professionals in Tesla work in a way that modelers in both departments can agree on something and send it to the sellers. The engineers have to decide how much the cost is and what the material is. The Relative motion of the car is important because they have to decide on how the car moves and the inside functions and stuff. For example, if the engineer needs to work on the speaker, then they work with the audio engineers. The other thing is that the attachment is very important, so the outside and the inside works. They also use cad software to see if the things can work. They also focus on Bill of Materials (BOM). Sometimes they do computerized numerical control (CNC) machining, casting and also some

work on product

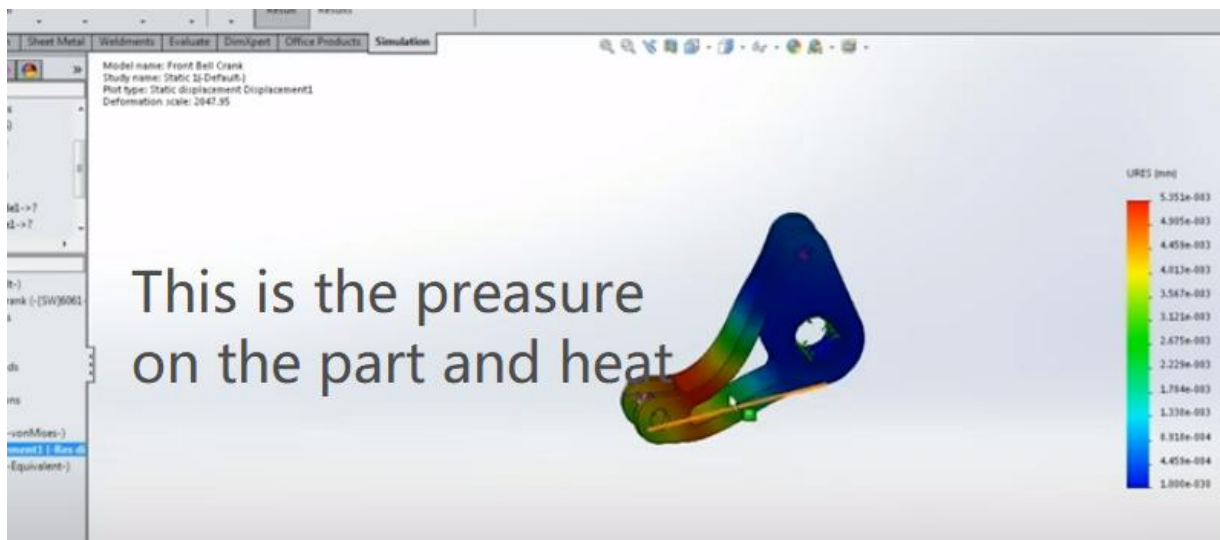


development processes

(pdp). They have a process and these are the main processes.



The processes are looking for a solution and discussing solutions to a problem is the second part and is if the idea you pitch the others say its not useful revamp the idea and pitch it new or fixed idea then the group or community pick a idea yours or someone else's and make it a prototype and on step five you test it if it work if it does work, you make another idea and pitch. You repeat this until you finish. This picture is showing the heat or temperature on this car part and the small green lines shows the pressure that part has.



I mostly got my info from YouTube and the video "My experience working at Tesla". And I also got some help from Anne to look some facts up on Google and Walle helped with finding the pictures. Others websites were to look up some details to facts.