Career Readiness Challenge

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There are many STEM companies that are very successful. Some of them include Google, Amazon, Microsoft etc and many more but we ended up choosing Amazon because we believe that shipping companies will be even more successful than they are today and with more people having access to the internet and better advancements in technology becoming available there will be a bigger variety of ways to ship and deliver goods.


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If you work at Amazon in the engineering field you will have to use a design process to figure out problems. For example a while ago Amazon used to use FedEx and UPS to deliver their packages but it was very expensive so they invested in their own delivery services and now don't have to spend as much money for shipping
This chart shows the profit of amazon as you can see around 2014 the profit starts to rise phenomenally. That is about the time when they decided to make their own delivery service. They applied the design process by first defining the problem, collecting information about the problem, brainstorming and analyzing solutions, developing models, getting feedback, and improving the design. That is how they came up with the idea.

Amazon Profitability Over Two Decades

Revenue $514B

-$2,7B Net Loss
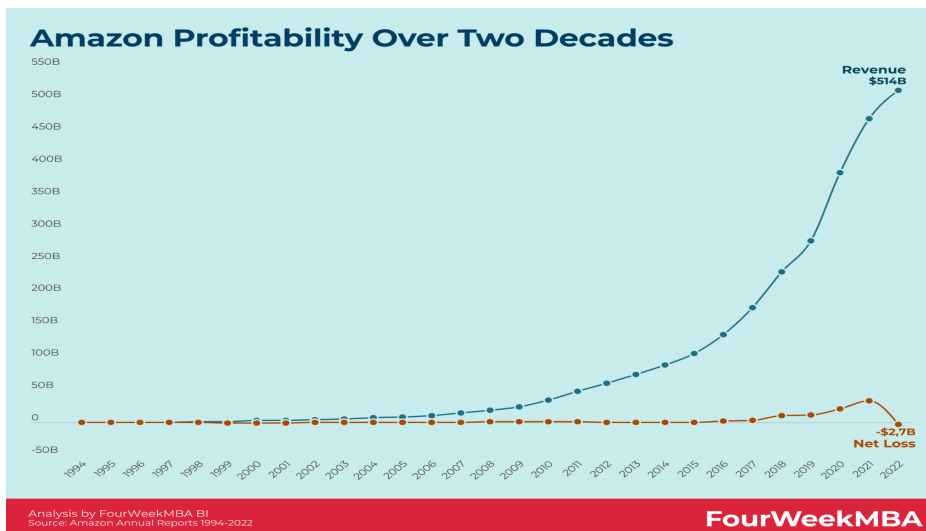
The engineering and design process usually follows these steps. ask a question, research the problem, imagine possible solutions,create a plan, make a prototype, test and evaluate the prototype, improve and redesign professionals approach the design process very similarly to how me and my team does. Because first they had to figure out what their plan was kinda like how we first had to plan out what kind of robot we wanted to make and how it would score. Then they had to collect information about the online market like how and why things were getting sold like how we had to collect information about the other teams and make sure our design would be able to keep up in game

Then they had to create a store like how we made our robot
Then they saw what was working and what wasn't like how we tested our robot to make sure it would score and drive properly then they redid anything that wasn't working and tested again like how we redid our design and robot but we are always improving.

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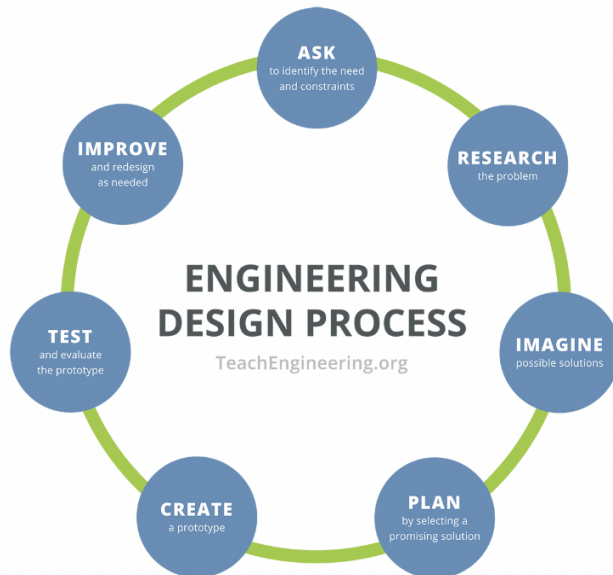
Our participation in VEX robotics has taught us to use the engineering design process, to work together as a team while solving problems and use creative thinking. This is why VEX robotics has taught us much for the future.