

Vex IQ

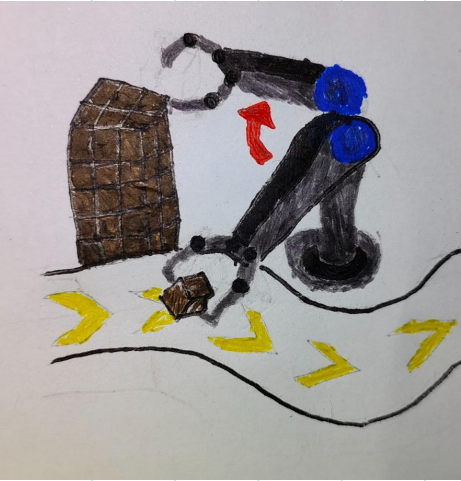
74300E Presents:
Future of
Engineering
Hsinchu, Taiwan

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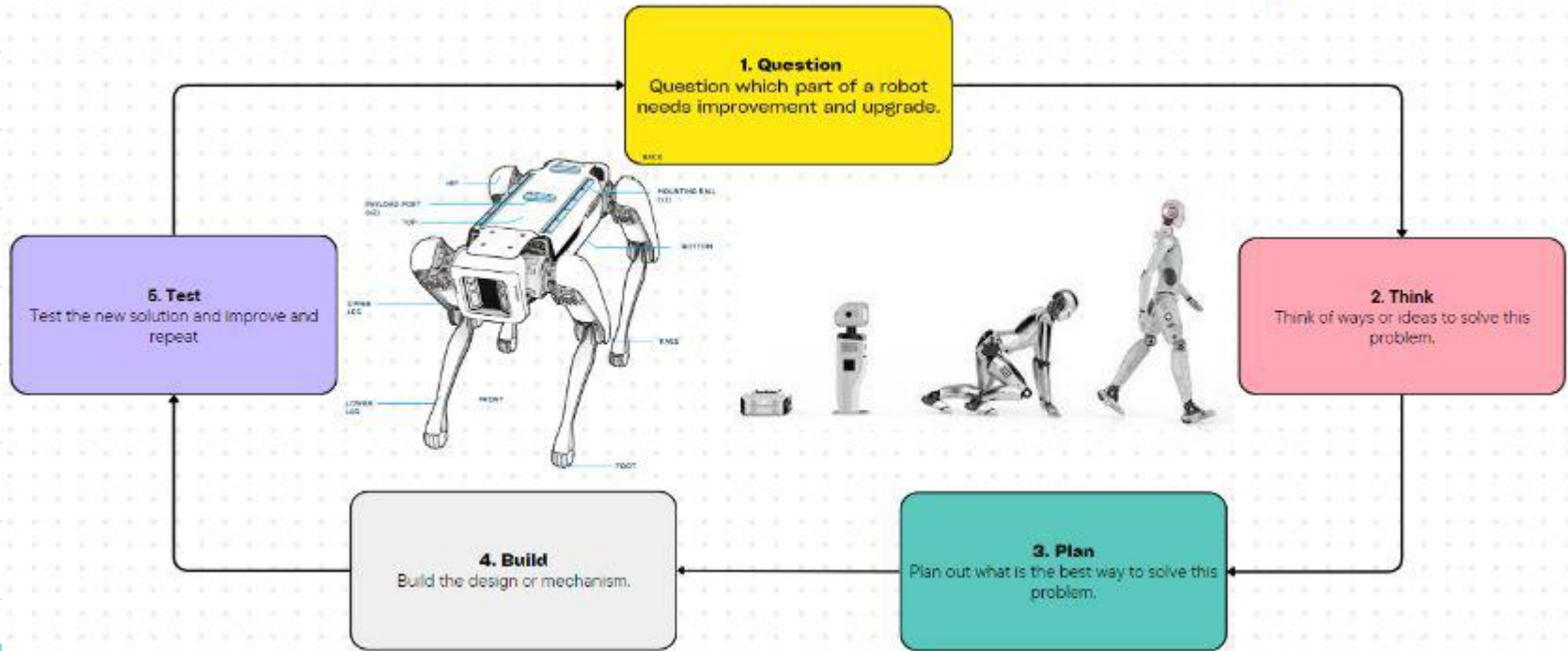
Introduction

As our world continues to be more technical, a lot of industries depend on the use of robots and rely on the engineering process to build and design a robot, one such example is Boston Dynamics. Boston Dynamics is a company that creates and manufactures robots to make them improve people's lives. Their mission is to try to protect people from danger and repetition and physical labor of work. We chose this company because the future of the world will depend on robots, and Boston Dynamics has a great EDP for building robots.

Drawn by 74300E



Boston Dynamics EDP



Our EDP

3.) We start building and testing different ideas and implement them on the robot.

We run many tests before they choose the best design or mechanism.

1.) We start by measuring the robot's performance and its downside.



2.) When We try to fix the problem, We use online meets to discuss our ideas.



Comparison: Boston Dynamics V.S. VEX IQ



V.S.



Even though Boston Dynamics is also a company that builds robots, there are still many similarities and differences. Firstly, we use our engineering design process to build a robot to score cubes, but they use it to help people and automate work. Second, both of our EDP can be used for STEM career, specializing in robotics and AI. Using the five step of the EDP (question, think, plan, build, test), you can apply these steps to everyday life.

How Does Participating in VEX Help Prepare Future Career

Like all Stem careers, VEX robotics requires thinking outside the box. In VEX robotics, we practice teamwork, integrity, and creativity. We learn from each other's mistakes, show good sportsmanship, and innovate new ideas. Once we grow up into a new society, a society filled with technology, industries, and artificial intelligence, we will be able to apply these skills into our life. With more than 20000+ teams participating since the start of VEX IQ, many people have managed to develop skills and traits they didn't have before.



What Resources We Used

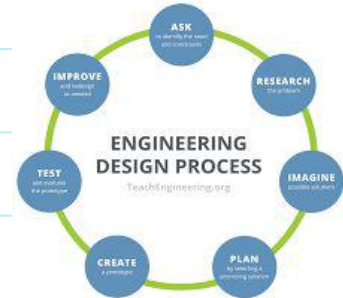
We went on the Boston Dynamics Website for more information and we found a video which tells us what they did to be successful in their career and how they built their robots.

BostonDynamics



Conclusion

As your world slowly revolves around technology and engineering, thanks to the EDP, many companies and industries can design, create, and produce a variety of products. EDP is the Engineering and Design Process. By using the five steps of the EDP, both Boston Dynamics and us can create, innovate and improve.



Credits to

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Also thank you google for supplying pictures for us.

Credit to Boston Dynamics

Thanks for supplying us
information about the EDP.

