

# **VRC High School-Reverse Engineering Challenge Laptop Disassembly**

Team Number: 76822A

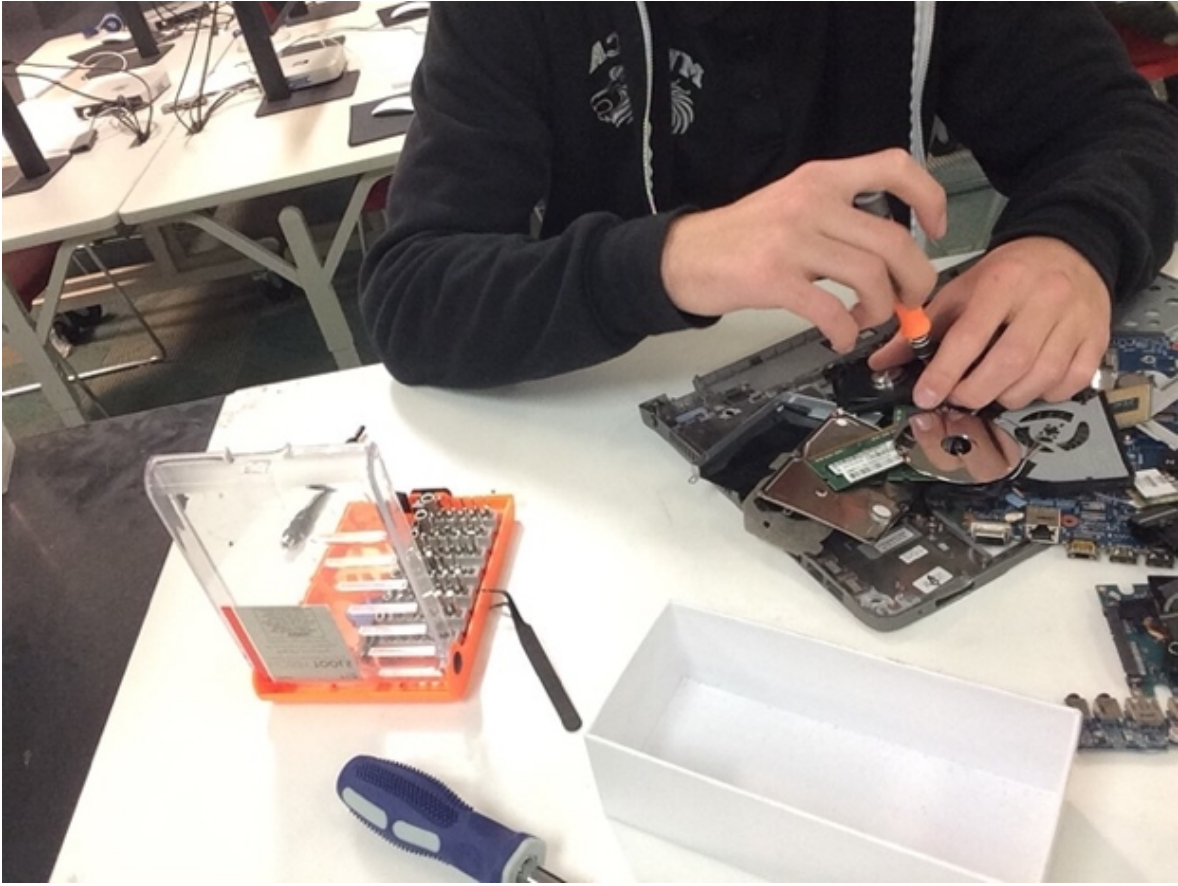
Team Members: Silas, Seth, Ben

Team Location: Miami Valley Christian Academy 6830 School  
Street, Cincinnati Oh 45244

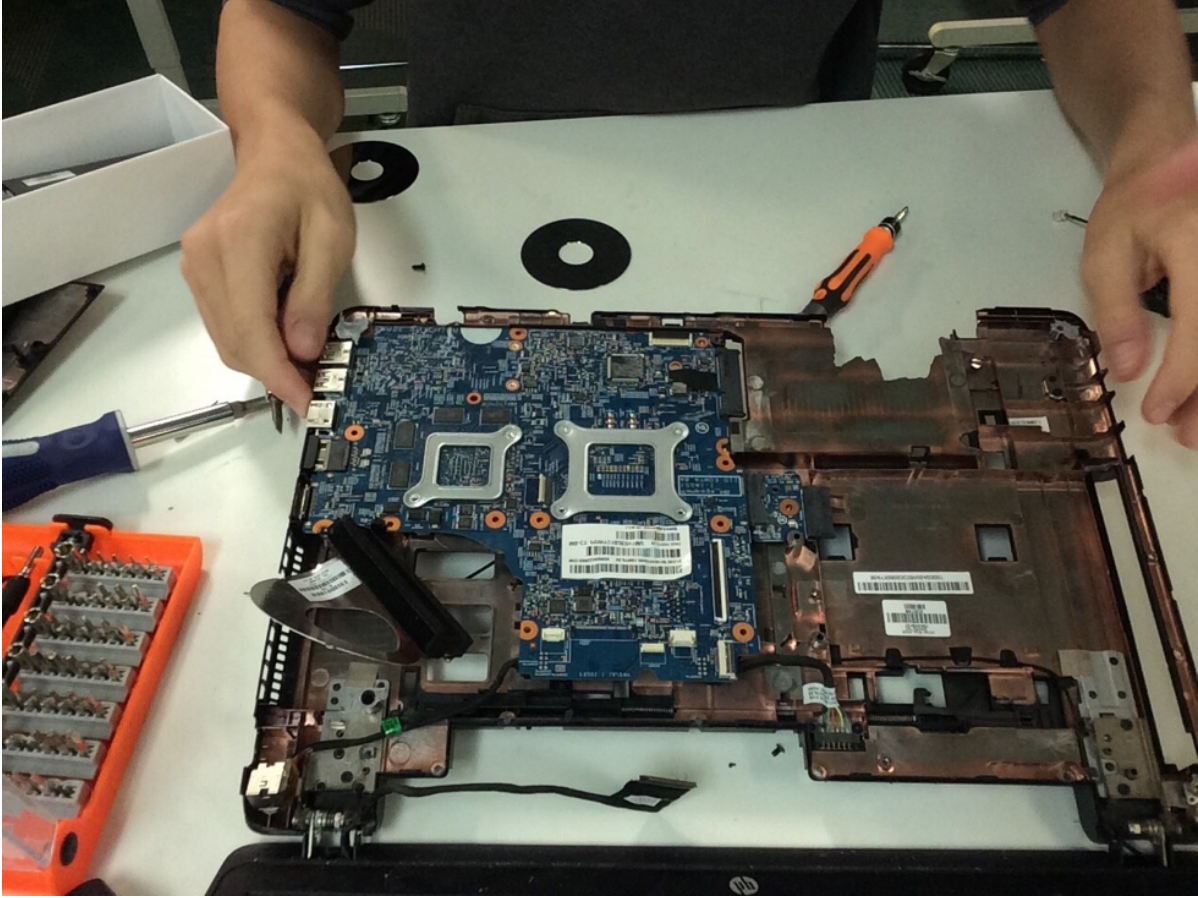
We selected a Hp laptop because it was something we had on hand, and we thought that it would be fun to take apart. One of our favorite parts of Vex Robotics is the Mechanical Engineering side of building robots, that's why we decided to take on this project. Now you will see how we learned about engineering.

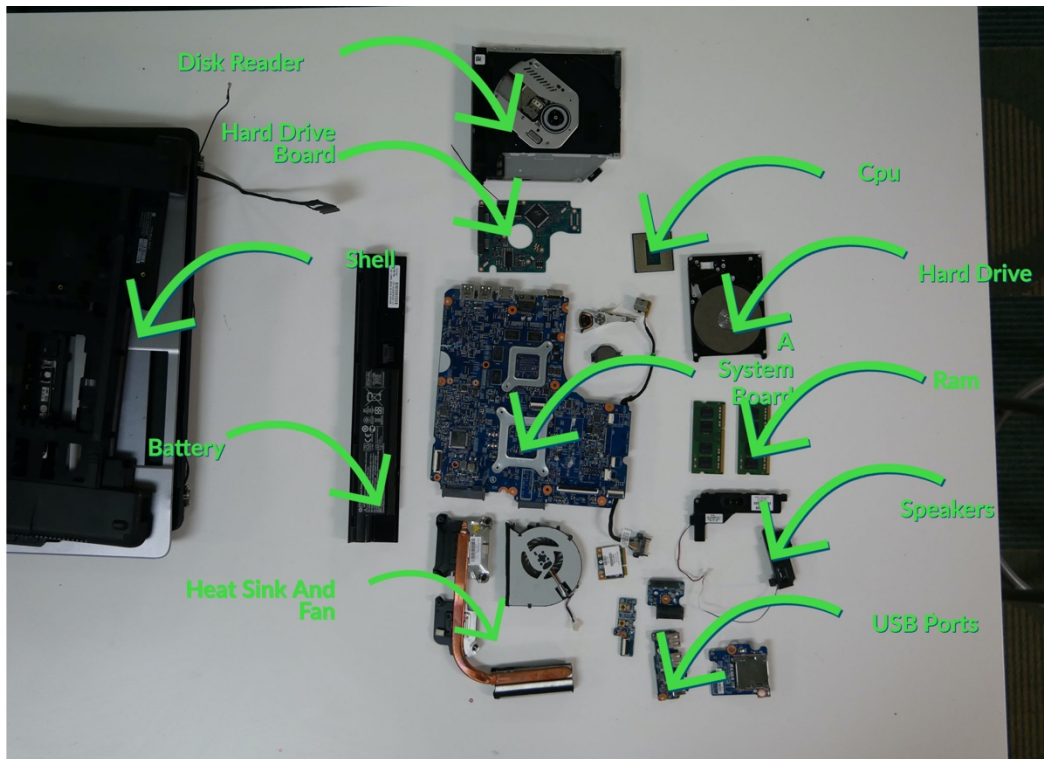
SIDE NOTE: everyone who participated in this project was wearing safety glasses and used caution when disassembling and handling electronic devices.











Here is a complete list of parts at the end of the project. We used the official website manual as a reference for all our parts, and Adobe Express to edit the above picture.

In conclusion we took apart a laptop so we could learn about the parts. It took us about 5 hours from start to finish. The tools we used were a set of screwdrivers made for electronics. It was a valuable learning experience because we saw the use of engineering in real life. We learned to take our time and not give up when we get stuck. If you never give up, you will always find a way. Most people don't even realize how complicated a computer is. But when you take one apart, you see the level of design and detail that is required. A computer is actually very similar to a robot. An electronic device used to help accomplish a task. Vex Robotics has had a positive influence on my life as I have learned that I love building and taking things apart. I hope that programs like Vex will lead the world into the next golden age of technology. Thank You Vex!

From, The MVCA Lions Robotics Team