

Word Count: 300

The Nokia 6030, a precursor to the Nokia Lumia, is one of Nokia's original models, and it was what I chose to disassemble. It was first announced in 2005 as a phone that could provide users with choices on what they did with the phone. The salient reason why I chose this device for the Electronics Challenge was due to its capability to be easily taken apart and put back together.

Inside of the phone were many components that I was not familiar with. However, once I did some research I was able to identify all of the components and understand their function. First, I took apart the battery. The purpose of a battery is to provide electricity for a circuit, in this case, the phone. This model contains a Li-Ion 900 mAh battery which allows the phone to stay on standby for up to 300 hours or talk for up to 3 hours. On the inside, I also found the SIM card. After researching the purpose of a SIM card, I learned that it exists in order to identify the phone. It holds the memory in your phone such as your phone number, voice, and data plans. Sadly, I did not find any TI components. However I found many other components of the phone such as the motherboard, keypad, and antenna.

Taking apart a Nokia 6030 helped me learn a valuable lesson that will help me move forward in my VEX career. I learned the need for patience. When I started dismantling the phone, I tried to rush through and finish everything quickly. A little later I realized that this was a terrible idea, so I started to slow down and tried to understand every step I was taking. This helped me disassemble the phone in an easier manner.









