

The Tesla Coil

Carlin Buras
Junior Division
Individual Website
Process Paper Word Count: 514
Website Word Count:

The Tesla Coil revolutionized the world of science as we now know it (National High Magnet Field Lab). Nikola Tesla, the inventor of the Tesla Coil, was interested in electricity even when he was ten (Tesla). Far later in 1891, Nikola Tesla invented the first Tesla Coil, and later reformed it to carry more volts and be more stable (Kraakman). Two years later in 1893, Nikola Tesla gave a presentation about his Tesla Coil and the crowd reacted in awe, even stock companies wanted to give him money with how much they were impressed (Tesla). Just five years after the Tesla Coil already impacted the world by helping the invention of the radio (1890-1899 Magnetic-Academy). The radio uses electromagnetic waves, which the Tesla Coil also uses (National High Magnet Field Lab). The Tesla Coil also helps people today. For example, the phone. The phone uses a receiver antenna which connects to wireless electricity to work (Wilson).

I chose the Tesla Coil because I was and still am interested in electricity and how it revolutionized the world as we know it. I was fascinated with how people were able to invent so many revolutionary creations with wireless electricity, such as WiFi, radios, x-rays, and so much more. I soon learned about Nikola Tesla before we chose our NHD topics and started learning about him and the Tesla Coil. Soon after we chose our NHD topics I decided to use his most popular invention, the Tesla Coil, which created the idea for wireless energy for my NHD theme.

I began my research by first checking the Library of Congress, but I couldn't find anything that would help me. Soon after I realized that looking up "Tesla Coil" to find sources that I could use in my website would be more useful, so I did that. I then skimmed through each website and found facts that stuck out to use in my website, such as the first Tesla Coil, why Nikola Tesla created the Tesla Coil, etc. I then started looking into inventions that the Tesla Coil helped invent, such as the radio, particle accelerators, the x-ray, electric toothbrush, WiFi, etc.

After learning about those inventions, I created a Google Doc where I made a rough draft of my paragraphs for my website, and later revamped them.

I created my website by first adding images that were in my annotated bibliography. Although it was the first step, it was the hardest because I couldn't figure out how to add new pictures at the beginning. I then chose my background colors for my website. There were 3 color sets that I could use but I could create my own, but I still chose to use a predetermined one. The three color sets were shades of blue, green, and yellow. I decided to use yellow since it's most commonly associated with electricity. Then for my background, impact, importance, and influence webpages I copied and pasted from my Google Doc which had the polished rough-drafts and used them.