Jack B.

**Engineering**

*Arrowhead Union High School*

Ever since I was young, I had an idea of what I wanted to do for a living. I have always been good at math and science, and they were always more interesting than any other topics in school. I feel like most people changed what they wanted to do as time went on, but I found that nothing deeply interested me more than engineering. Seeing things being designed, manufactured, and finalized was one of the coolest things to me as a child, and it still interests me to this day.

When I was a toddler, I was fascinated by tools: hammers, drills, wrenches, and anything else my dad had out in the garage. I can remember my parents telling me how they would give me my dad’s old drills and I would always try and help my dad fix things he was working on.

When I was around 5 or 6 years old, I was obsessed with Legos. I can remember each Christmas receiving several Lego sets, and spending the rest of the day building them. I loved being able to piece things together, and I also liked building things by myself as well, without any instructions.

When I was 11, our middle school had an engineering class that allowed me to work with computer programs and build some prototypes as well. That class by far was the best part of my day. The class was engaging and had us doing hands-on activities and gave us opportunities to test ideas and improve from our shortcomings. For me, other subjects like English and Social Studies never compared to the enjoyment of that engineering class in sixth grade.

When I got to high school, I was most excited about the number of engineering options the school had to offer. Freshman year I took an introductory engineering class, which taught me about engineering programs and 3D printing and even things about manufacturing and working with woods and metals as well. That class, in particular, was very interesting to me, and I wanted to make sure I did things like it throughout my high school career.

When I was a sophomore, I took my first AP class, AP Physics 1. To be honest, I only took it because I knew it would look good on my transcript if I wanted to go into engineering. The class was by far the hardest course I had taken up to that point, but it fascinated me. Physics combined math and science and applied it in a way I had never seen before. Being able to figure problems out and then watching them happen in real life was the most intriguing thing I had done in my high school career.

Now that I am a senior, I have already applied to some colleges, and I am confident that electrical engineering is the degree I want to pursue. Engineering encompasses so many things that I enjoyed over the years; such as building designing, 3D modeling, and building prototypes. So much of high school for me was spent doing things I know I won’t use in most of my life, but a degree in engineering is something that I will apply and be able to use for the rest of my life.