Tractor Solid Works Project

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Tractor Solid Works Project: Multiview
Tractor Solid Works Project: Narrative

Growing up in rural Pennsylvania, I am quite familiar and fascinated with different farm equipment, but especially tractors. Therefore, I found it befitting to create a model of a John Deere tractor for my final solid works project. Although I am using a very popular and well-known brand of farm equipment, the overall design is completely created by myself. My interest in tractors began when I began driving them which was at a very young age. I have always been intrigued with the power and size of them and continually am impressed with the new improvements and upgrades to tractors each year. Overall, creating a tractor for my solid works project was simply the perfect match for me.

With this project came many difficulties. The most difficult part was easily the wheels of my tractor. Not only was it difficult to size them correctly, but simulating the treads on the tires proved to be quite problematic. After browsing my options on solid works, I found a new tool called the “circular pattern” tool which proved to be a very helpful tool in creating the treads on my tractor tires. It allowed for me to create cuts on my outer wheel symmetric of one another and it proved to be very aesthetically pleasing as well. I also used the “letter” tool to insert the John Deere title on my tractor.

This project was a great way to familiarize myself with solid works. Before, each project had a step by step tutorial which inhibited me from truly understanding solid works in and out. I feel I learned a lot more being on my own with this project and I know this will prove to be beneficial to my future use with solid works. I now know I have a firm grasp on all of the basic tools needed to complete a solid works model which will not only assist me in college, but in a future career as well.