

Ben Weiss

Monday 2/28/2022

Class 6-2

### **WARRIORS: INTO THE WILD**

I am Ben Weiss and I chose to work independently on this project. I decided to combine my love for robotics with a book series that I have been reading for several years (with the most recent book completed during this unit) and create a robotic cat. This robotic cat will be based on one of the most important characters in the Warriors series, Firestar. I have chosen this particular project because I thought it would be both challenging and fun to make. My first step will be to gather materials, which will include [four motors, four wheels](#), a glue gun, glue sticks, a cardboard cutter, cardboard, [a receiver, a remote](#), a switch, and some wires. Subsequently, I will work on putting the cat together, which I anticipate will take 2-3 days, with time to spare for final details and revisions prior to Fessy-Con. I will debut my robotic cat at Fessy-Con with a demonstration of its capabilities and structural properties.

My project deserves a coveted spot at Fessy-Con because it is unique, creative, and demonstrates the complexity of robotic engineering in the context of an animal that many people love. Additionally, I plan to implement a prey sensor on the cat, which has likely never been displayed at Fessy-Con in prior years. I will have a mouse (or another kind of prey) and the cat will have a sensor which causes the cat to move or meow when prey is sensed. My project also deserves a coveted spot at Fessy-Con because there are only a few students reading the Warrior books, therefore, it reflects a book that will be different from other potential presenters.

Furthermore, Firestar is an inspirational character who is brave, kind, and selfless. Lastly, I anticipate the project is realistic to complete in the allotted time, so there is low-risk for this project being incomplete by the required date of presentation.