



## The Aviary

It is a thing of beauty to take flight. A marvel of both science and passion brings winged things to the wind to be free. Humans aspired for centuries to be like the birds and raise our earthly bodies off the ground, but that absurd dream was only realized through science and reason. Similarly, it is both science and passion that have brought my structure to being. The piece that I have made is **a demonstration of how beauty can be produced not only from abstract imagination, but also from carefully calculated positions of objects within a space.**

By creating a frame with only four points of support for my tertiary elements, I was able to produce a structure that appears from the right angle to have two curves going through the length of the piece. I was interested in **how I could use the constraint of straight pieces of wood to create a space that highlights curvature.** My main focus of this structure was to explore the intersection of mathematics and beauty therefore **I designed this structure to resemble a bird in flight.** This is because I feel that image is a very physical portrayal of the beauty that is produced when mathematics and aesthetics are combined to create something beautiful.