

# The Taffy Sitting Chair by Alexis & Eli

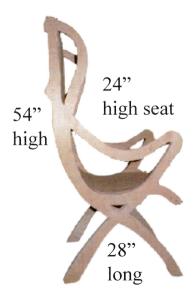


We found the kayra over the internet. Our chair is a plausible bent-wood adaptation. "Kayra" \$320

Right before we started building our proof model, we made our google sketchup model (bottom left) to get a feel of how our design would look and function off the paper. The sketchup model helped us get a feel

of how we would make the actual chair and to see if the measurements felt right. The sketchup model made us ultimately simplify the design of the frame to one solid piece, as apposed to 3 seperate and interlocking pieces. Afterwards we made our proof model (bottom right) which was built to half scale. Our proof model consists of one peice of wood instead of three pieces interlocking together, and the back / seat of the chair was made of laminate



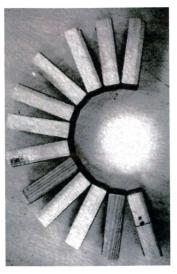




Inspiration Clip Chair by MOOOI \$1140







We were inspired to design a piece of furniture that was both aesthetically pleasing and functional. While the project was to create a chair, we wanted to create something that would sit more than one person. **DAHLIA** has the capacity to seat about six people and its accordian-like movement makes it simple to store away when not in use.

Our proof model was made ~1/9th scale.



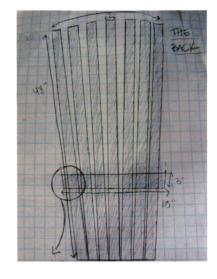
Robert Lewis Bliss Teak 30" x 27" x 24" 1993

# The Peacock

Shellby Hefner & Coli Barth

This chair, by Robert Lewis Bliss, is made out of Teak and was the source of our inspiration for the chair we're building. The design is elegant and clever, and it is something that we would like to build our creation off of. As you can see below there will be a few changes to the layout. Overall, though, the idea for our chair was taken from this art piece.

This is a sketch of our final chair design concept. We took ideas from the original chair design we found, and other concepts from chairs we saw in books and threw them together, added our own ideas, and came up with the chair design below. The chair itself is roughly four feet tall, with sides that are about two feet tall and a seat that sits eighteen inches above the floor





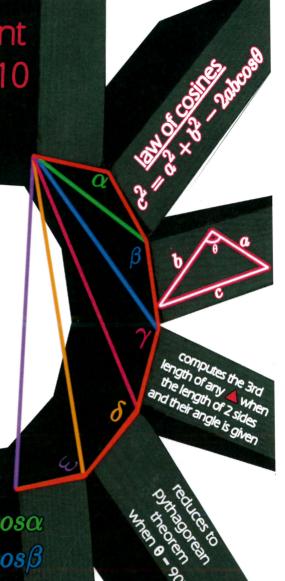
This is a half-scale proof model of what we wanted our finished chair to look like. At first, our chair back was going to be significantly taller, but we had to sacrifice aesthetics for practicality, and shortened the length of the back. Thus, we also had to change the length of the sides and the width of the seat, to maintain proportion. But in the end, the finished design was to our satisfaction.





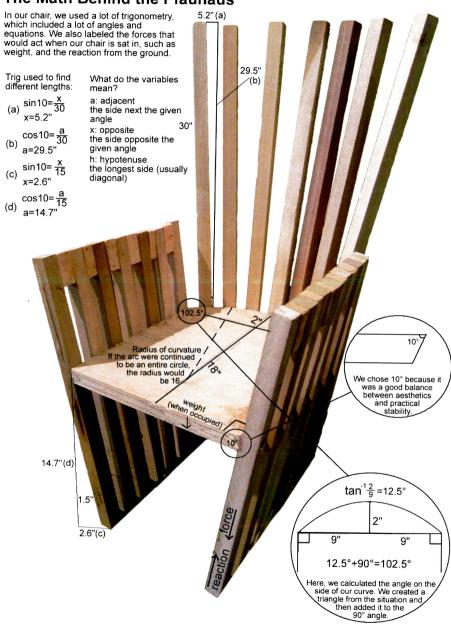






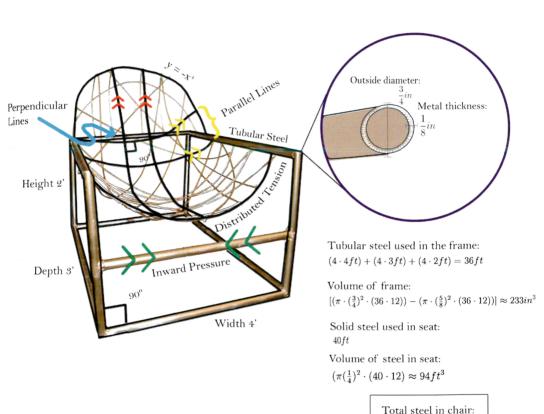
 $l_1 = 1$  $l_2 = l_1 + 1 - 2 l_1 \cos \alpha$  $l_3 = l_2 + 1 - 2l_2 cos \beta$  $l_4 = l_3 + 1 - 2 l_3 cos \gamma$  $l_3 = l_4 + 1 - 2l_4 \cos \delta$  $l_6 = l_5 + 1 - 2l_5 cos\omega$ 

# Shellby Hefner and Coli Barth The Math Behind the Pfauhaus



# Physics behind a Masterpiece

### Viccarbe



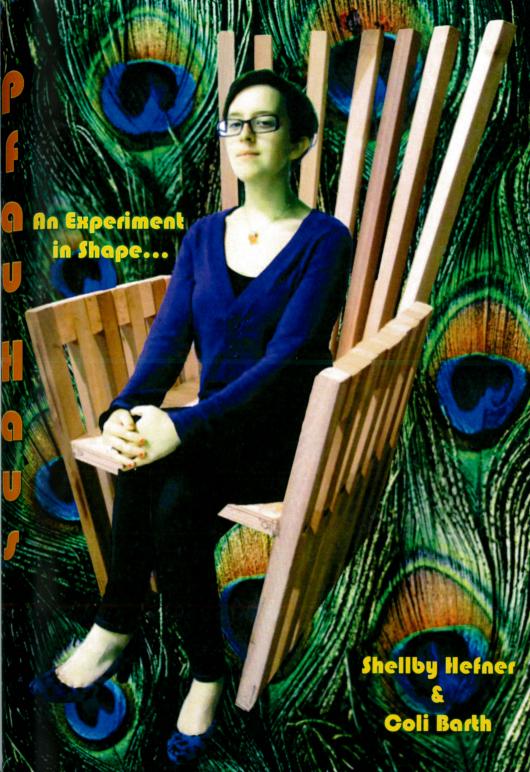
 $94 + 233 = 327 ft^3$ 

Zac Kalena Breauna



COFFEE SHOP

Laura Bustamante & Shanelle Mosley



# Sit on art.

Comfort you can marvel at. Senior Exhibition Fall 2010: Get Bent

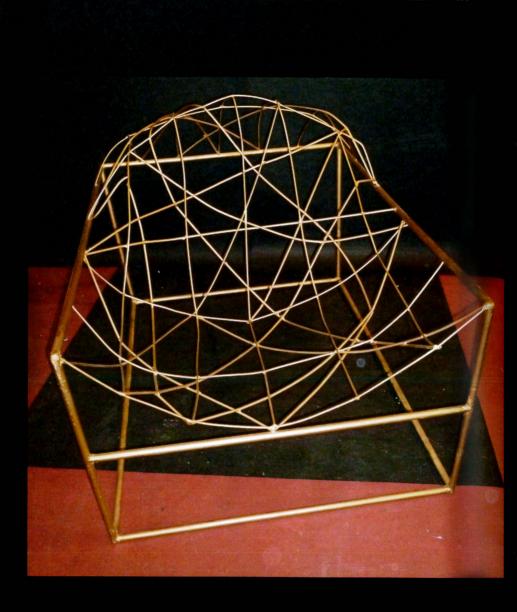
Zac Wendroff Kalena Clausius Breauna Guzman

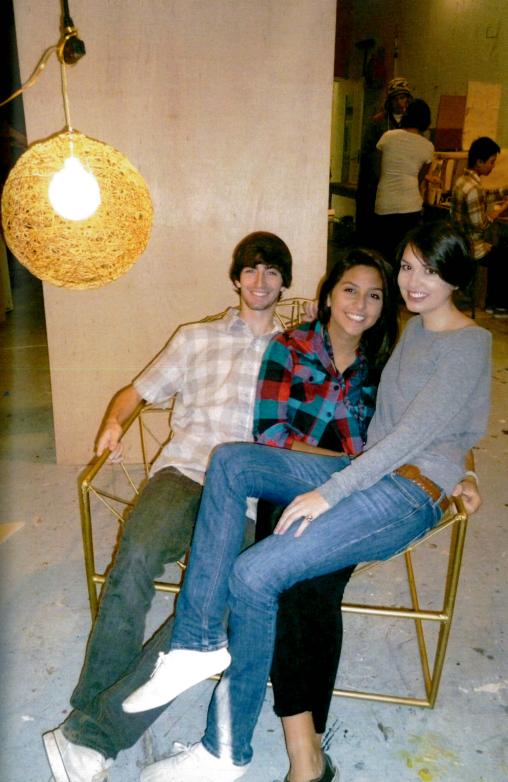
















# **Spray Painting our Throne** We decided that gold was a

fitting color for our chair.



and











# Viccarbe lounge chair Our inspiration \$6.552.00

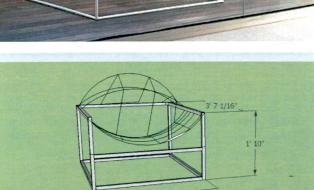


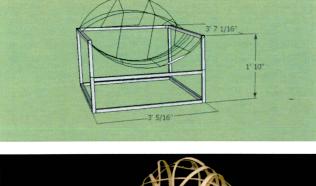
# 3-D Paper Model

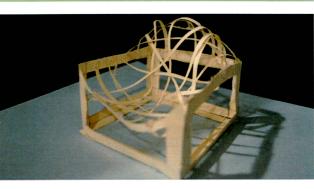
Constructed using tape, and hot glue paper,

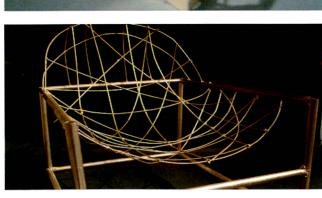


and welding wire Constructed using pipes











## SHELLBY

During the course of this project, I found that we had a lot of ups and downs, most of the time more downs than ups. I felt like the chair project was a lot of work, but that it was definitely worth it in the end. I never knew how much work was put into making something as common as a chair., and now know how slave children feel. I felt that I was really attached to our first idea, and when we had to change it I felt rather angry and doubtful about the new ideas that we were creating. But as we got the building underway, I found that I was becomming more and more happy with our chair, especially by the time we were finished. As far as our lamp, I immediately fell in love with the idea, and am definitely going to make some of my own for my house.

Overall, I'm really impressed with us. We worked hard, and not only learned skills along the lines of handiwork, but also personal lessons such as handling amounts of work, and how to master time management.

### COL

Creating the chair was an interesting and worthwhile experience, one that had its up's and down's. We managed to create an aesthetically pleasing work of art that also served a functional purpose. It took time and certainly a lot of effort, and while sometimes we lost initiative and felt like giving up, we kept working and eventually succeeded.

This project taught us many practical skills, such as woodcraft and design, but also many personal skills. We learned to appreciate the time given to us, to take advanatager of available resources, and to work as hard as possible in the beginning to afford us time for revision in the end.

# 









This project challenged us to work outside our comfort zone and try new techniques and skills we had never attempted before. In the end, we not only produced a great looking chair and lamp, but also gave us t\he tools to do something similiar to this in the future.

This project had two main elements, one in art and the other in math. The combination of these challenged us both creatively and academically. Designing a chair that is inteded to look good and be comfortable at first made us nervous when taking into account that we needed to incorperate physics as well. In the building process we found that some curves and properties we leaerned in the physics class applied naturally to our products.

Many of the other groups in our class were partnerships, having three people in our group was helpful for the most part, but raised the expectations of our work. Being able to cooperate with two other people is a skill in itself, attempting to respect and accomidate the ideas and create outlooks of each person.

The final unique part of our group was the direction we choose with material use. Being the only ones working with metal we faced some issues gathering what we needed, and putting the chair together. Wood was much more accessable to the class but we thought our design was good enough to stick to our original plan throughout the process. After becoming capable at welding and metal bending we were able to work on our chair and diligentyl and effectively as those using wood.

In the end we gained a lot from this project. We have become better group members, craftsmen, artists, and mathemticians. In the future we can apply the skills we learned through the Get Bent project to provide future success.

