

Get Bent!

Filach



&



Martian

by Fil & Zach

Get Bent

Introduction about project



For our last project at high tech high we have been given the chance to design and build a chair and lamp. The Idea came from a German school called the Bauhaus. At this school they would create art with a purpose, for example a chairs, tea kettles, and lamps.

History of the Bauhaus



The Bauhaus was created to teach students to combine fine arts with crafts. The name Bauhaus in German means school of building. The school ran from 1919 to 1933 and was founded by Walter Gropius .

Little Italy



We decided to go to little Italy because we wanted to look at all the modern chairs and lamps to try and get some ideas to base our chairs off. We seen a lot of great chairs but sadly nothing that really popped out to us, not to say we didn't see any awesome looking abstract chairs. It's just we also wanted to make a realistic style because we've never made anything like this.



Ikea



We also decided to go to IKEA to look at some modern crafts (Modern meaning ideas that have been used before to create art, and crafts meaning something useful like a chair that u can sit on or a lamp that gives u light.) we seen a lot of great chairs and we were able to find one to call our



Chair Design

The first thing we did when we found our chair was to draw a version on paper. We made some changes so it would not look like the IKEA version.



Paper Model

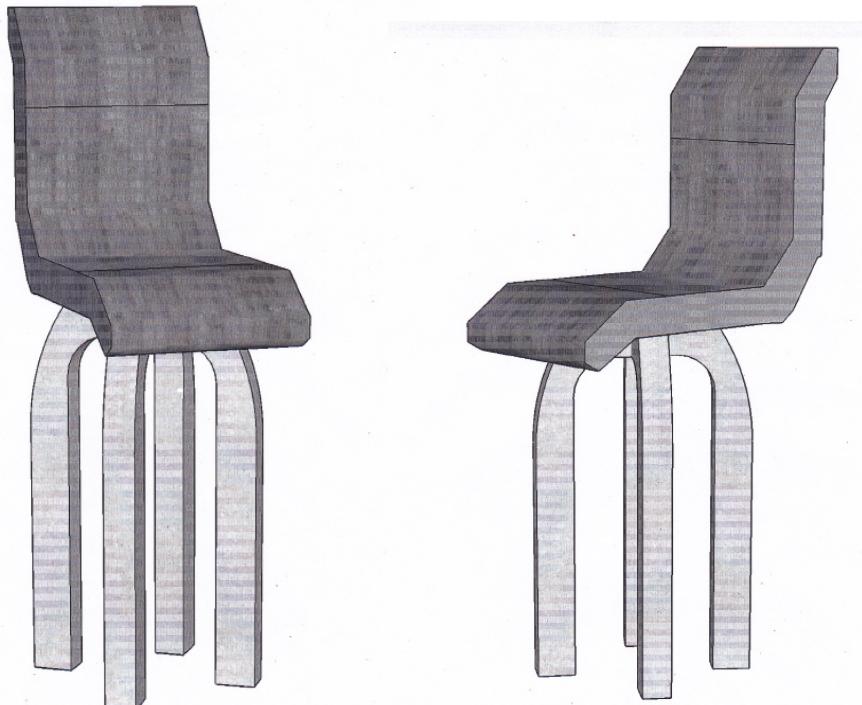


We created the paper models to get a feel how the chair would look in 3D. it was fun and it turned out great.



Google Sketch Up

We made another version on Google sketch-up to get a cleaner more realistic looking 3D model. It was great to use this program because we were able to make our chairs without actually making them.



Proof Model

The point of making this model was to find the best way of creating our chairs, and we are glad we did make them because this allowed us to change mistakes made.



The first mistake was the legs were way too thick and long so we cut them. We also made the chairs back lopsided because we did not make a mold for it when we glued all the laminate pieces together.

Finished Model



The bottoms of the chairs are padded with small neoprene pads to protect your flooring. The chairs are also stackable, so they can easily be stored away if need be. Setting a rainbow of your door. But at

Chair Faults



One of the major faults of our proof model was that the legs were too thick. it made our chair look ugly and bulky

The problem with the back was that we did not create a mold to form the back correctly and it came out loopsided.



Things We Liked

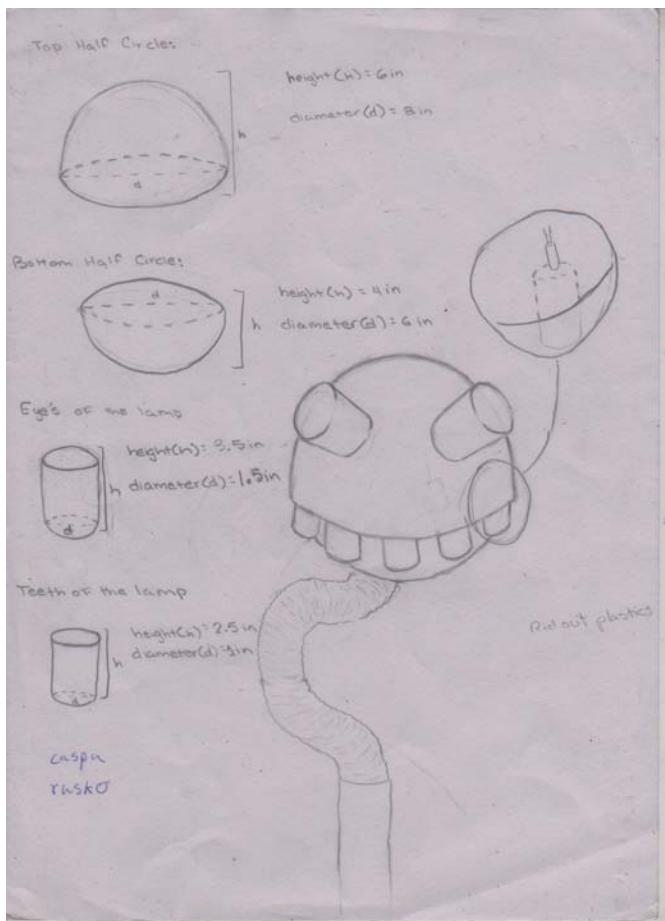


This time we also were able to create a mold to shape the back correctly.

We really liked that we were able to make the legs of our chair thinner, and we like that we were able to get the parabola shape underneath.



Lamp Design



We based our lamp off the mask of the famous deejay dead mau5. It looks so creepy when he is on stage mixing. And we thought it would look cool to make something like that in a lamp. So we drew up this little guy and named him **Martian**.

Materials Used



The materials we used for the lamp were three flashing LED, a plastic blab case, a twistable lamp, and a 4.5 volt transformer.



Finished Lamp



This is our finished lamp. We really like the way it has turned out. We used a lot of different materials. for the body we used a traffic cone, and for the arm we used wire hangers. Then we painted the lamp and all this metallic silver color. We believe this made our lamp look very robotic and spacey to fit its name Martian. Making this lamp was really fun and it allowed us to be much more creative then with the chair.

Lamp Faults

Were not able to use PVC pipes for the eyes and teeth like we planned. also we did not have

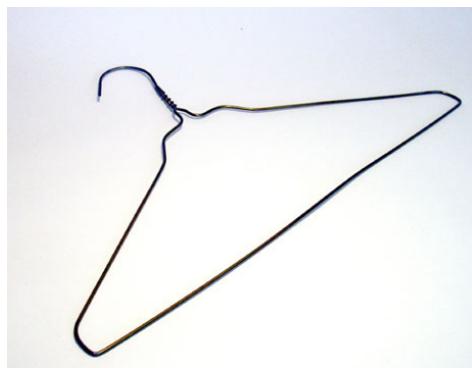


Things we like

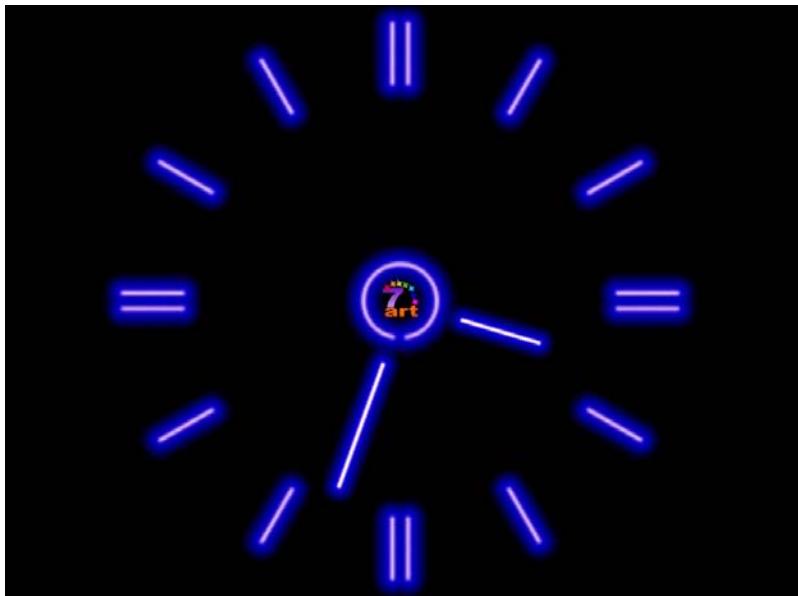
We were able to find a source to light the whole head and change its color.



we made a really cool robotic body out of traffic cone and hanger wire.



Timeline



The reason we wanted to show you our time line project is because we worked hard on it and we feel it looks great. We feel it looks like something you would see in a magazine or on display.

Glenn

Bar Stool

by Marcus Arvonen

\$69.99



figure 1

Width: 19 5/8 "
Depth: 18 7/8 "
Height: 35 "
Seat height: 24 3/4 "

Width: 50 cm
Depth: 48 cm
Height: 89 cm
Seat height: 63 cm



figure 2

These Chairs (figure 2 & figure 3) are the ideas that we had in mind for the final chair product that we planned on making, figure 2 is the sketch that we had in mind, and we made a few adjustments to the style of the legs and the arms of the chair, and we got the chair that we created on google sketch up in figure 3.



figure 3

Filach

Proof Model

by: Fil & Zach

Description

Leg frame: wood
Seat Shell: wood



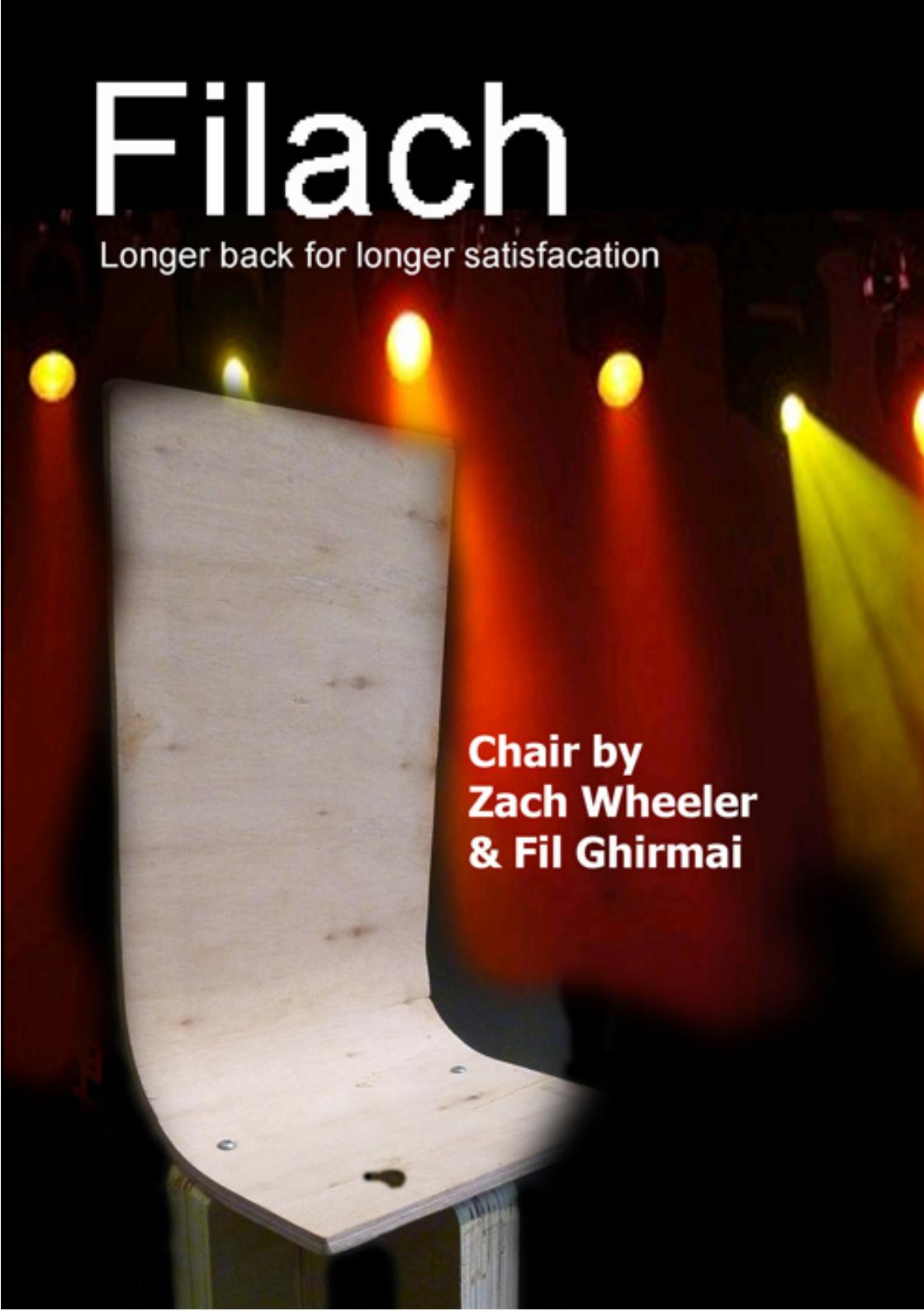
figure 4

Width: 6"
Depth: 9"
Height: 17 "
Seat height: 12 "

Width: 25 cm
Depth: 24 cm
Height: 44 cm
Seat height: 31 cm

Filach

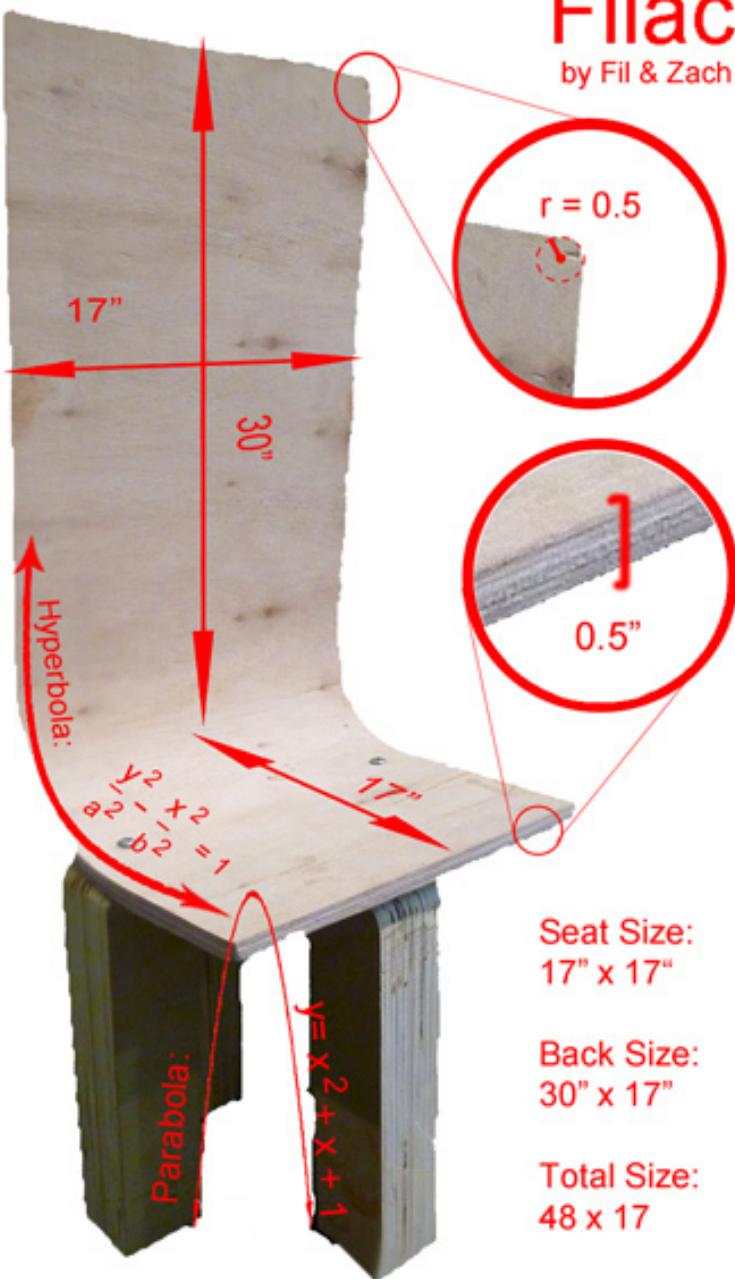
Longer back for longer satisfaction



**Chair by
Zach Wheeler
& Fil Ghirmai**

Filach

by Fil & Zach



Conclusion



Overall this book is about the first semester of our senior year. We had a lot of fun working on our chair and lamp. We were able to go to little Italy and IKEA to look at the chair art, and we also were able to see how much effort goes in to creating a chair and lamp from scratch. We would have to say we had a lot of fun this project and would not change that for anything.