



Benjamin

Andrew

Webber

Design Portfolio



Benjamin Andrew Webber
North Carolina State University
School Of Design Portfolio
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Projects

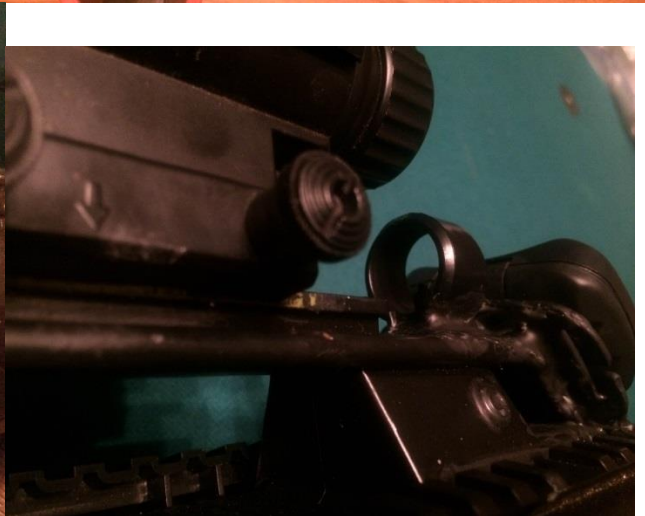
Nerf Blaster Heavey Mod

NERF Blaster (1/18/14-metal, hardware, JB Weld)

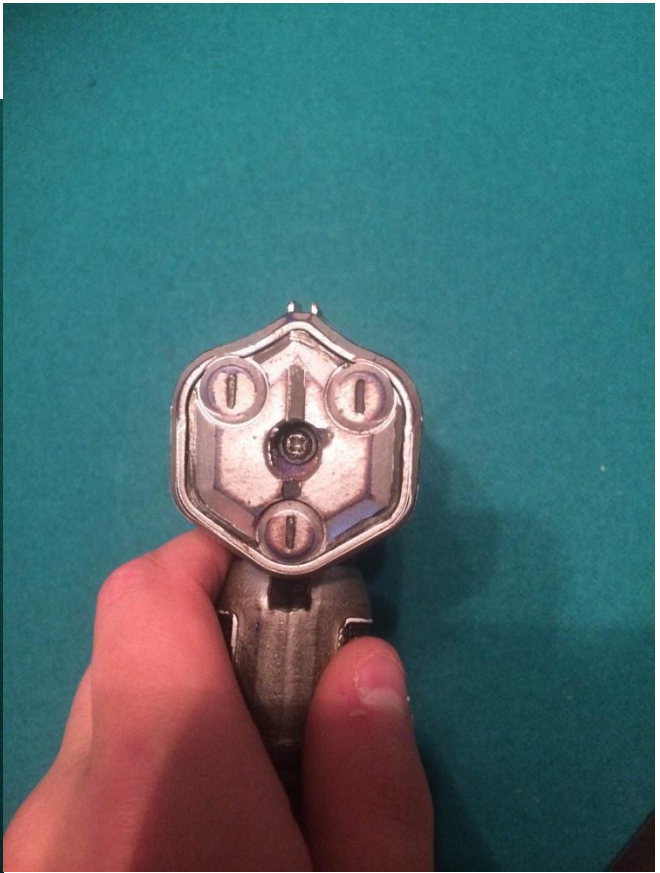
This NERF Blaster that I designed and built is actually a combination two different blasters merged into one. This along with the upgraded motors, lights/strobe, foam bayonet, and other odds and ends, required me to take everything completely apart.



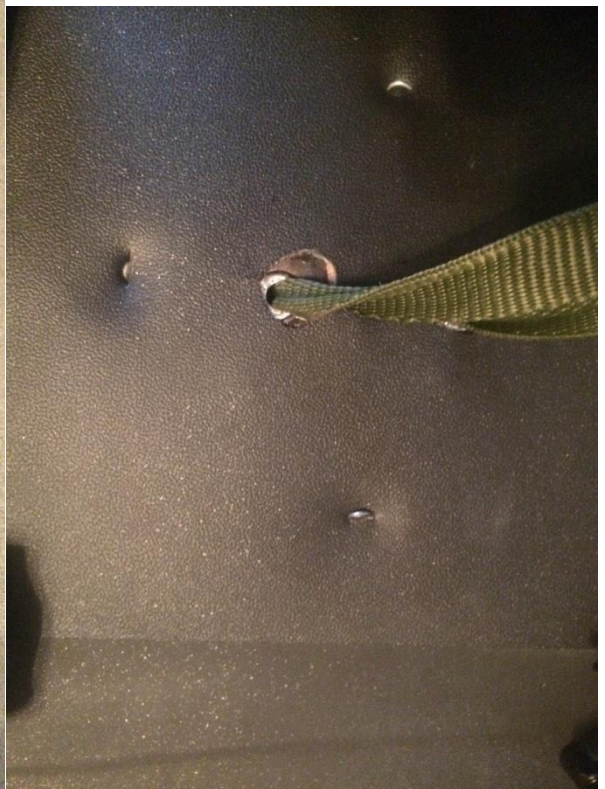












Model Cars

1969 Dodge Dart Rat Rod Model Car (8/30/13-model, paint, decals, reeds)

I designed/built this model car and let my imagination take over. It's loaded with details such as over 50 hand-applied decals, and a passenger seat and spoiler hand made out of old saxophone reeds. I took me a total of five months to complete.







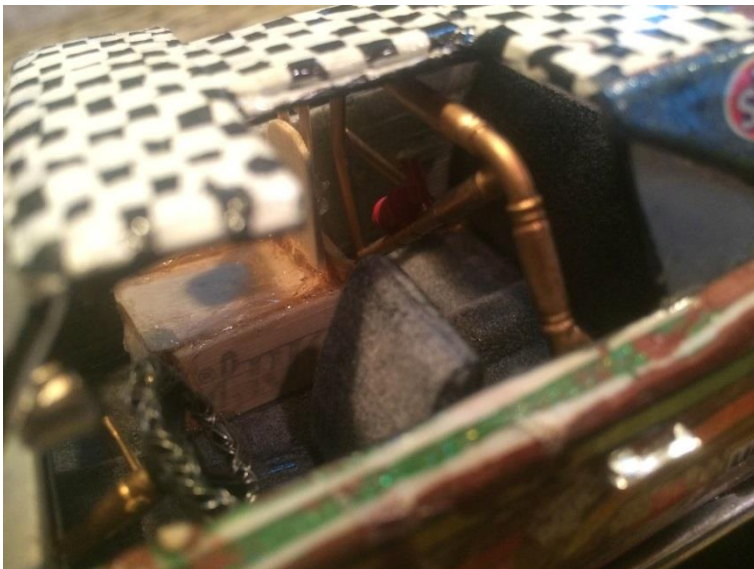












My Car

My Car (current)

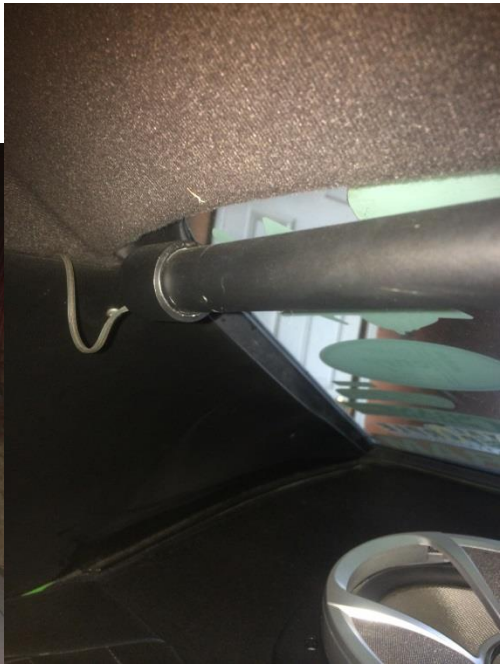
This is my pride and joy. Along with my dad, I rebuilt and designed the entire car. Everything from the color to my hand made center console is me. It has won awards at shows which means I didn't only learn technical skills, but also design skills.

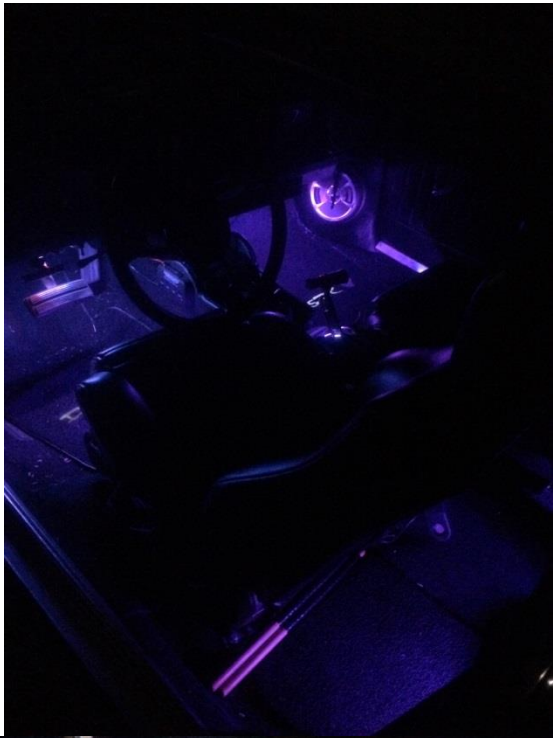


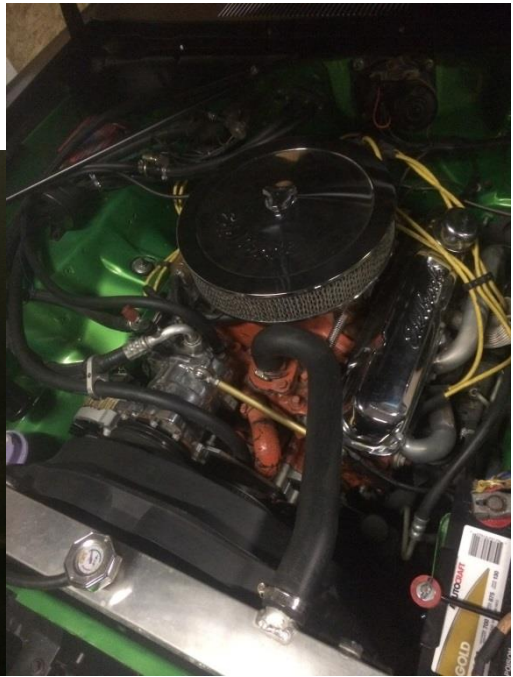












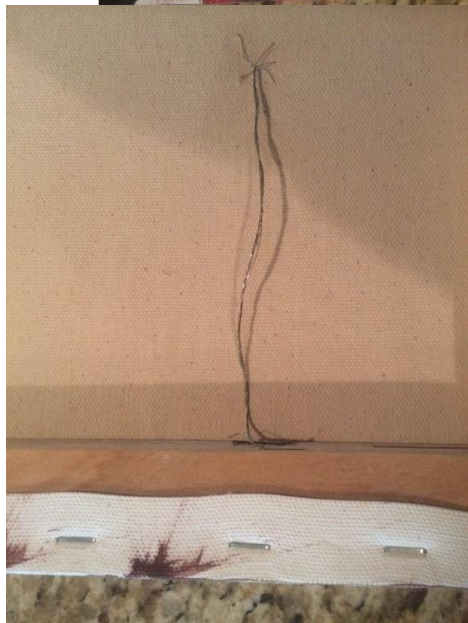
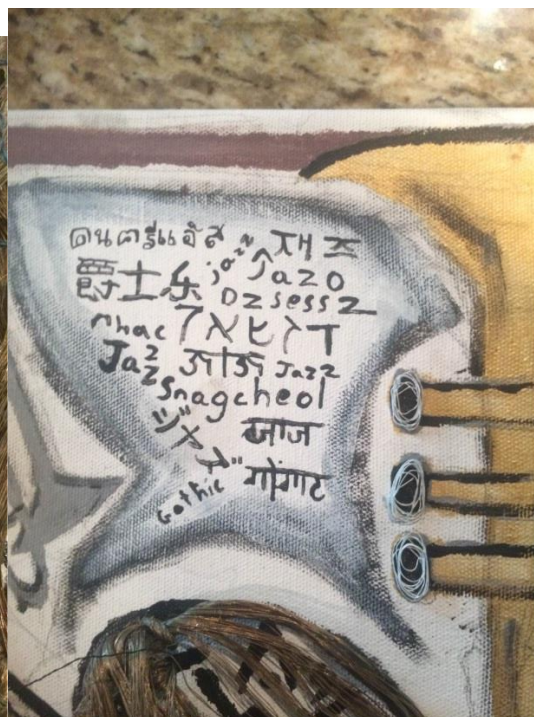
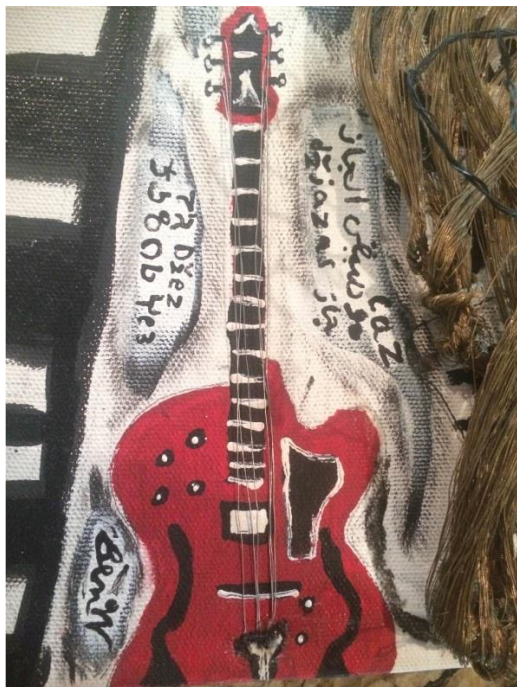


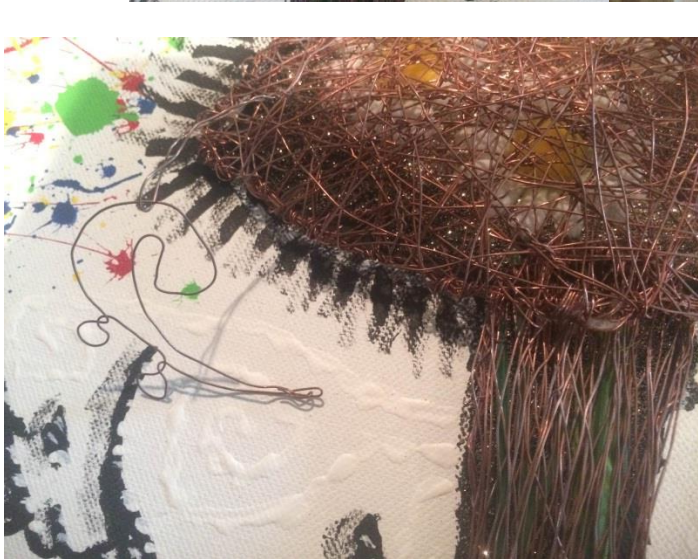
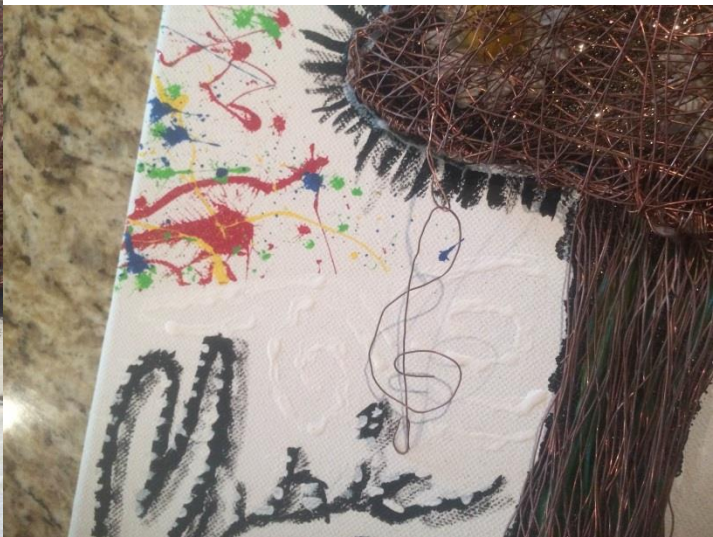
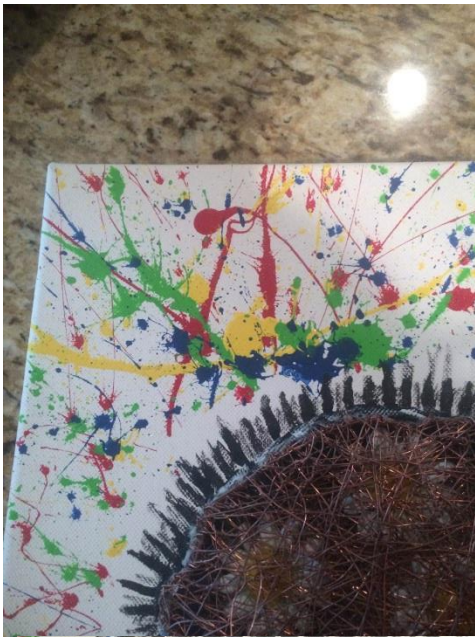
Multimedia Paintings

Mixed Media Art (7/17/13-metal,pint,glue,canvas)

I love making art out of unusual materials. The wire forms in the works are hand made of discarded stereo cable. The work on the left is a tribute to jazz, and the work on the right is how I envision music. I put at least two months into each work.





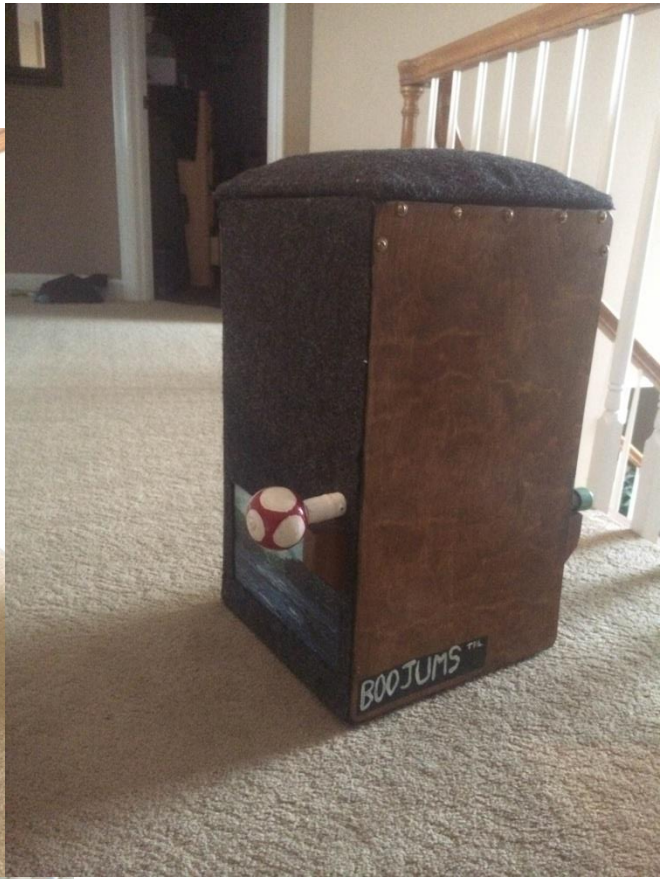


Cajon Drum

Custom Cajon Drum (4/3/13-wood,glue,hardware)

I had been wanting a cajon drum for a while but I couldn't afford one. So I made my own that not only sounds better and costed significantly less, but also houses a custom snare system that I designed which makes the drum extremely versatile.







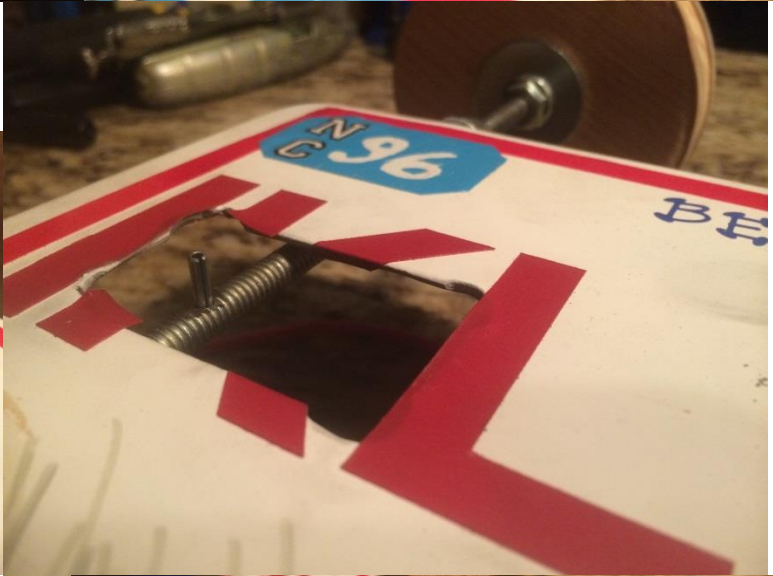
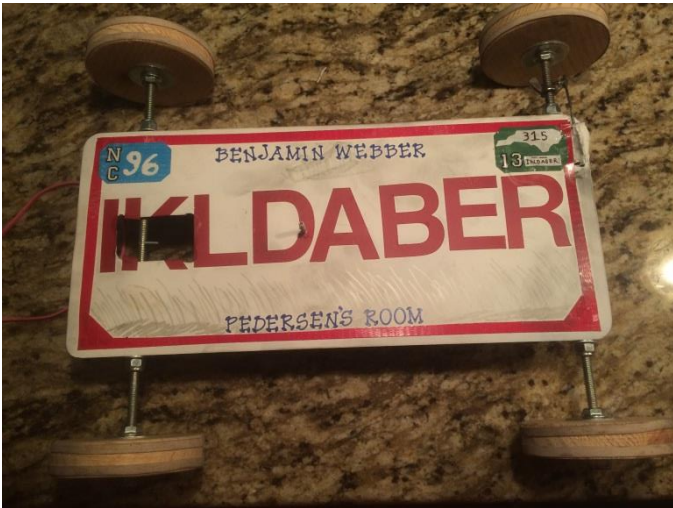


Rubber Band Car

Rubber Band Car (2/25/13-Metal,wood,fiberglass)

For a project in Physics Honors, I had to construct a rubber band car the traveled two meters in five seconds. For my car, I designed/built my own braking system (can be seen in the front) which allowed it to meet both criteria perfectly.







Whiteboard Foam Finger

White Board Finger (5/7/14-wood,caulk,white board)

My mom supports my sister and I in whatever we do. For Mothers Day I wanted to get her a custom foam finger, but that wasn't going to work. So instead I made a "foam finger" out of plywood and white board that can say anything she'd like it to say.



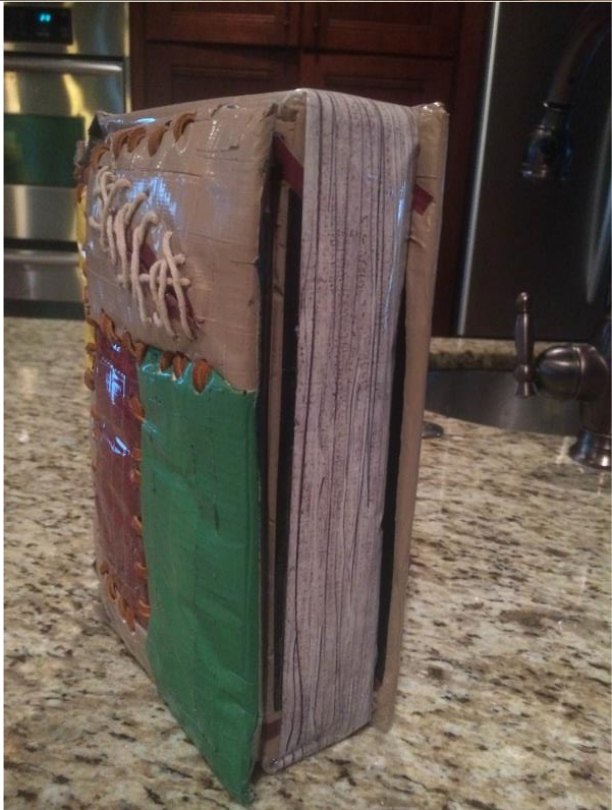


Ogmah Infinium Book Cover

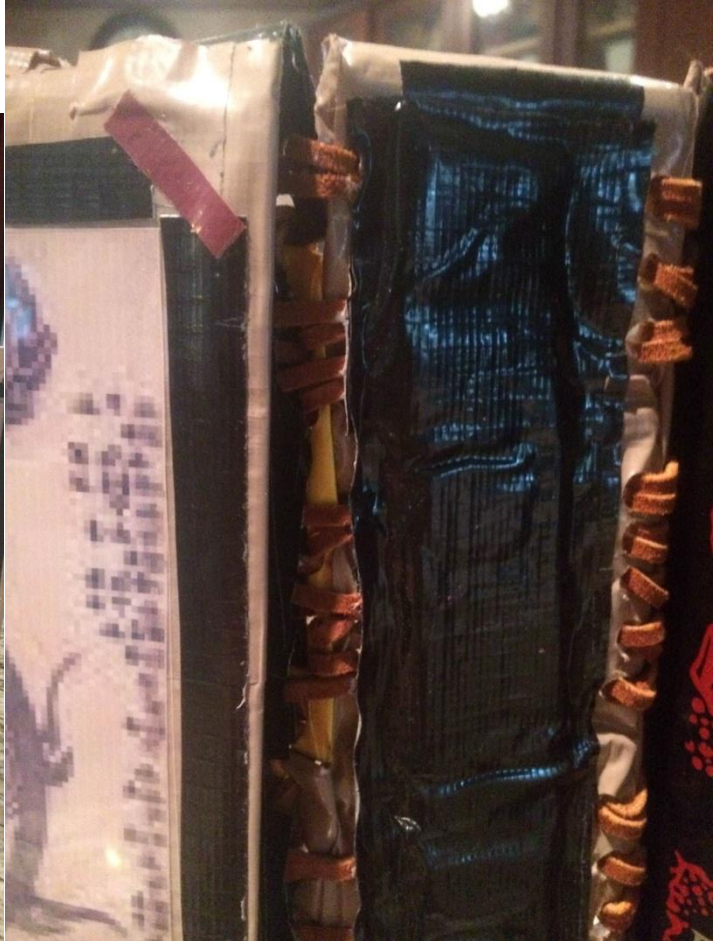
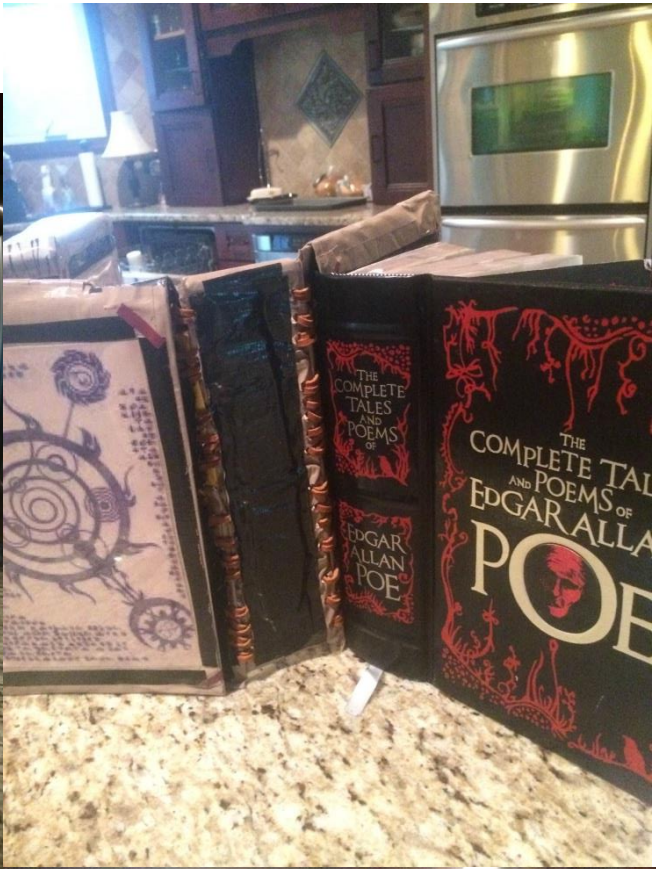
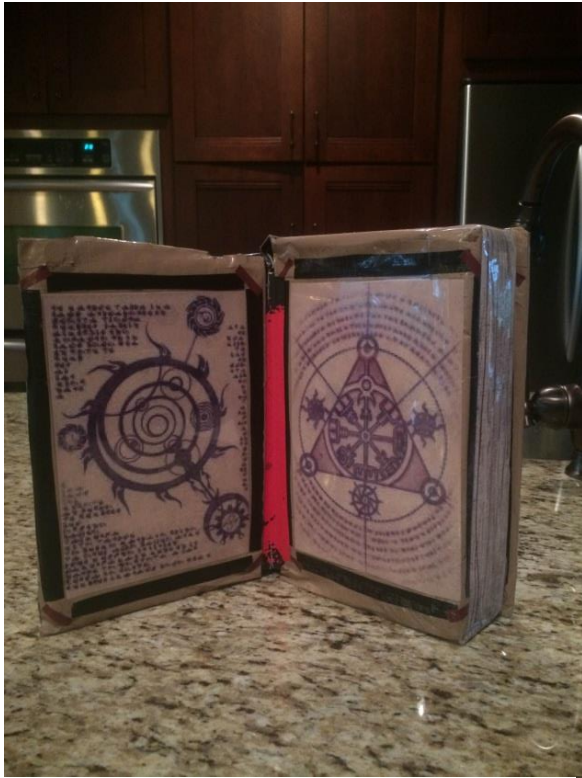
Oghma Infinium Book Cover (7/5/11-materials below)

For my fifteenth birthday I got an Edgar Allan Poe book. I wanted to take it to school but I didn't want it to get ruined. So I built a cover for it using duck tape, sheet metal, leather, and other materials. It is designed after a book in Skyrim.











OGHMA INFINIUM

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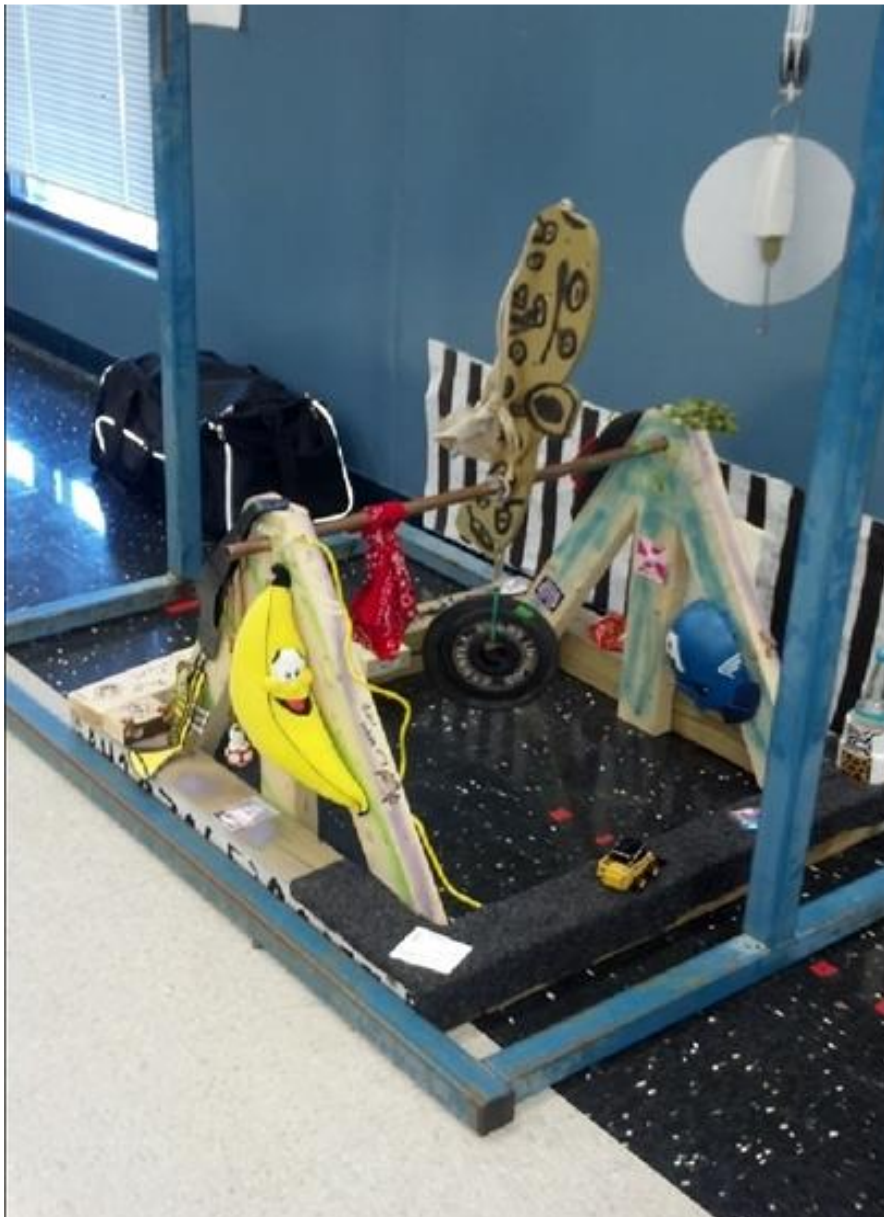
VALUE **2500**

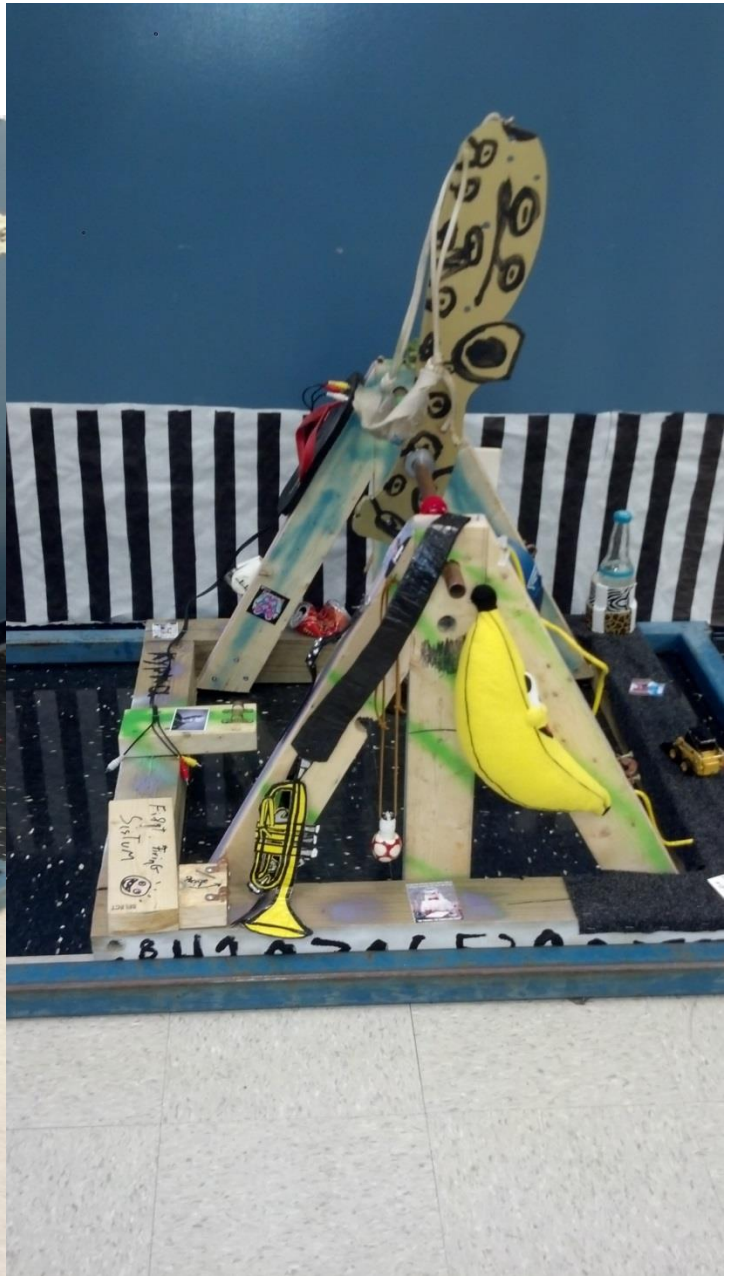


Trebuchet

Trebuchet (4/23/13-wood,plastic,metal,nylon)

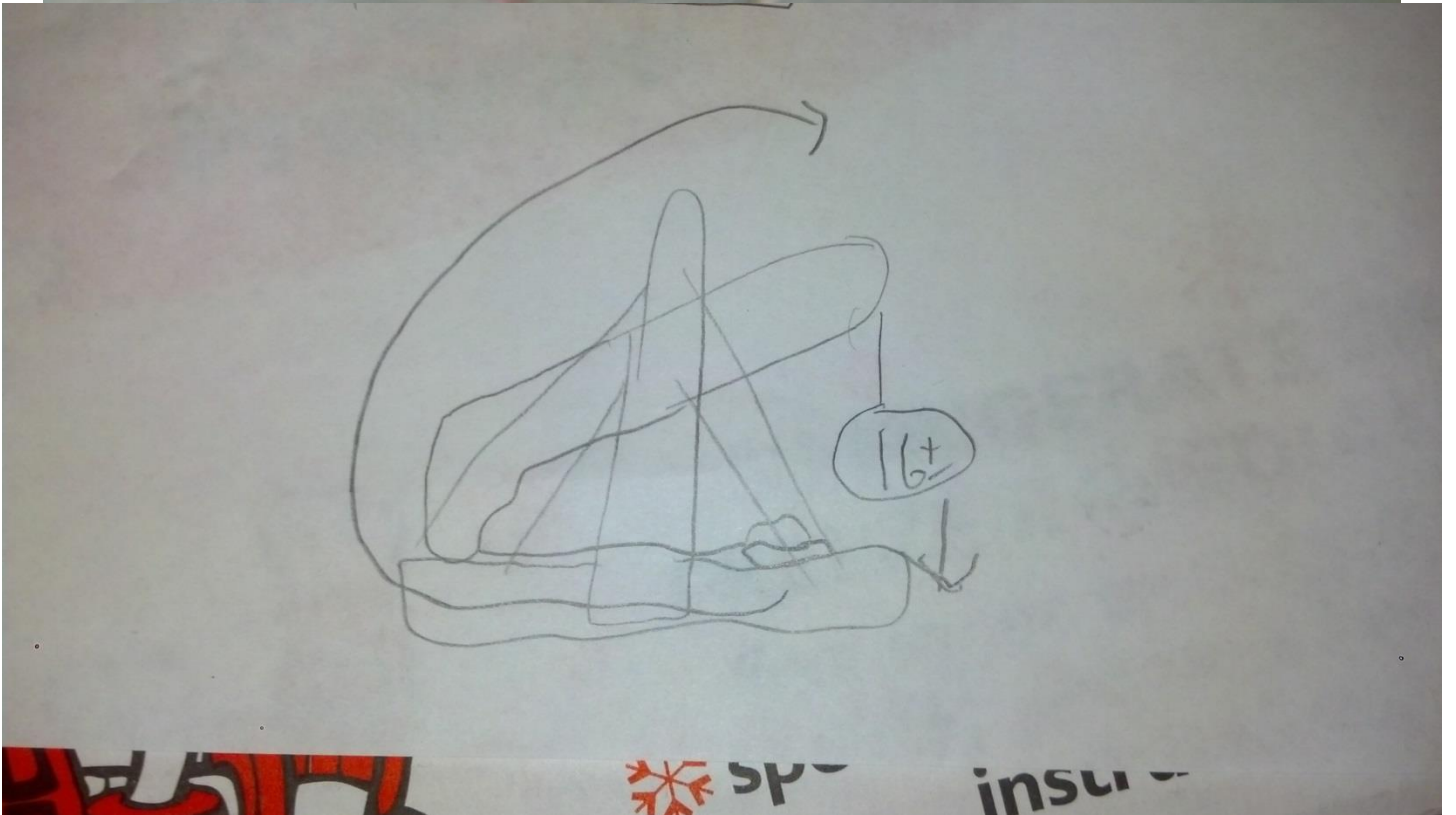
This project was for my physics honors class. The criteria was it can be no larger than 3ft x 3ft x 3ft and it needed to hit a 7in x 7in target 10yds away. I met the size requirement and I was the only one in the class to meet the target requirement.

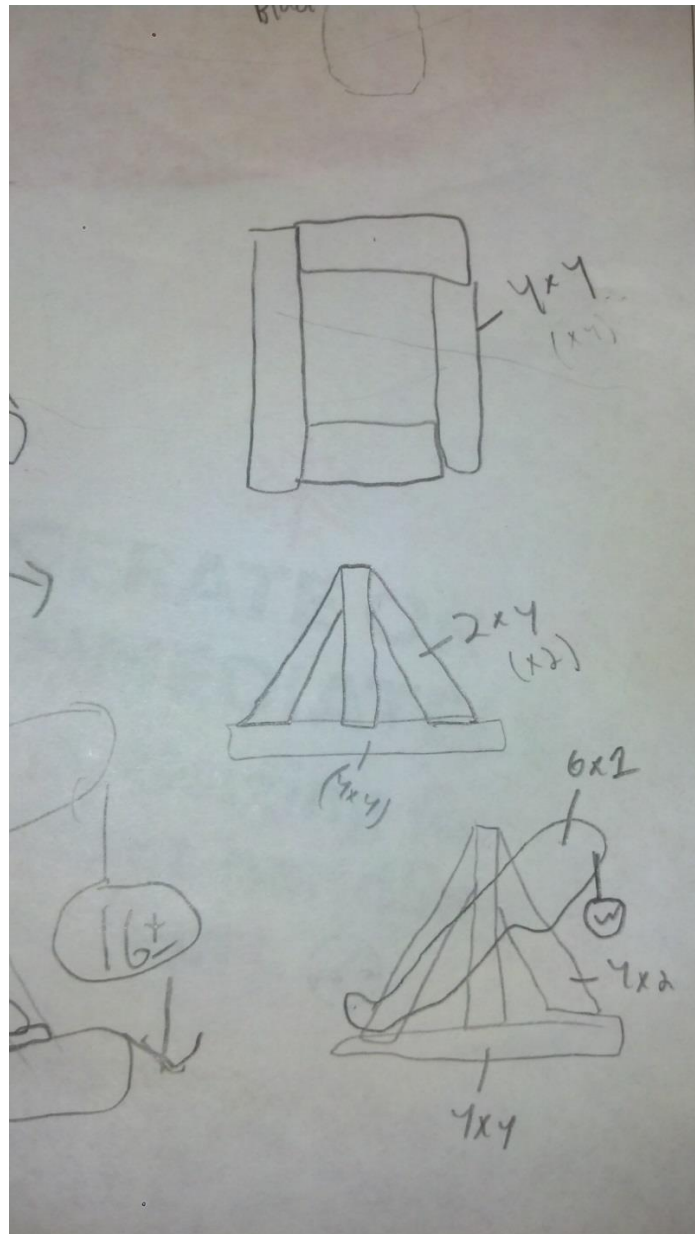












The Last Of Us “Clicker” Mask

The Last Of Us "Clicker" Mask (6/29/14-foam,paint)

I have always been interested in make-up, especially when used for horror. The mask itself is made of foam that I carved and burnt into shape. I then added texture and painted it to look as realistic as possible. It is supposed to be "fungusesque".





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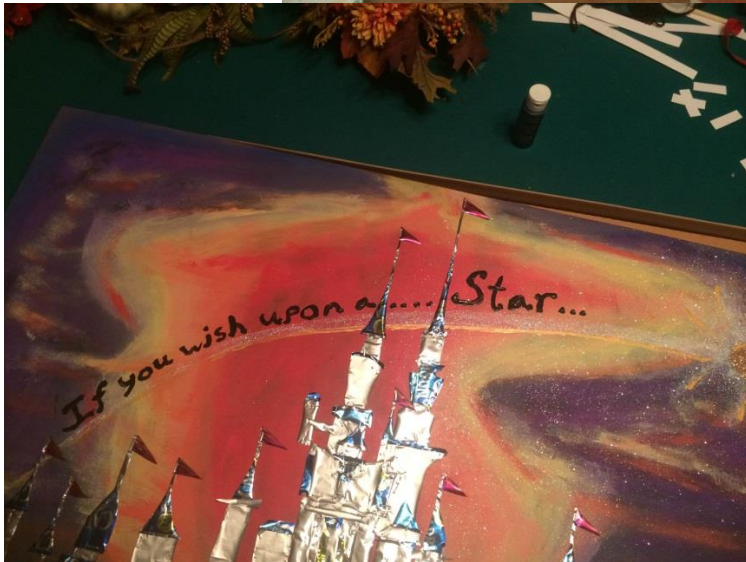
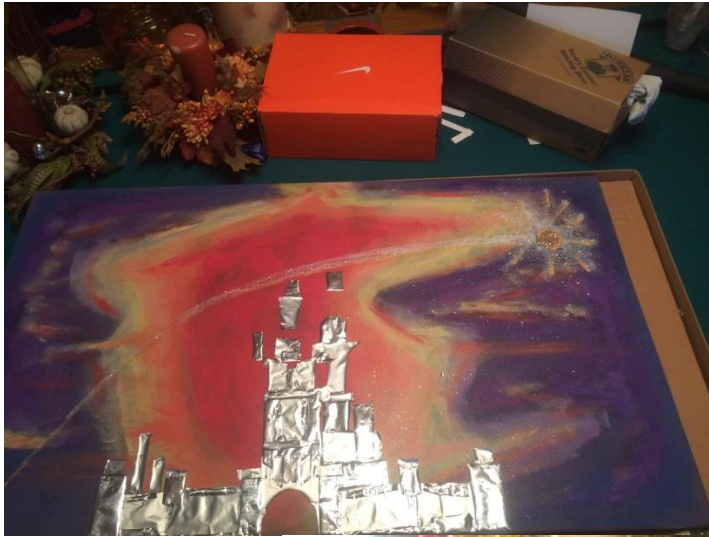


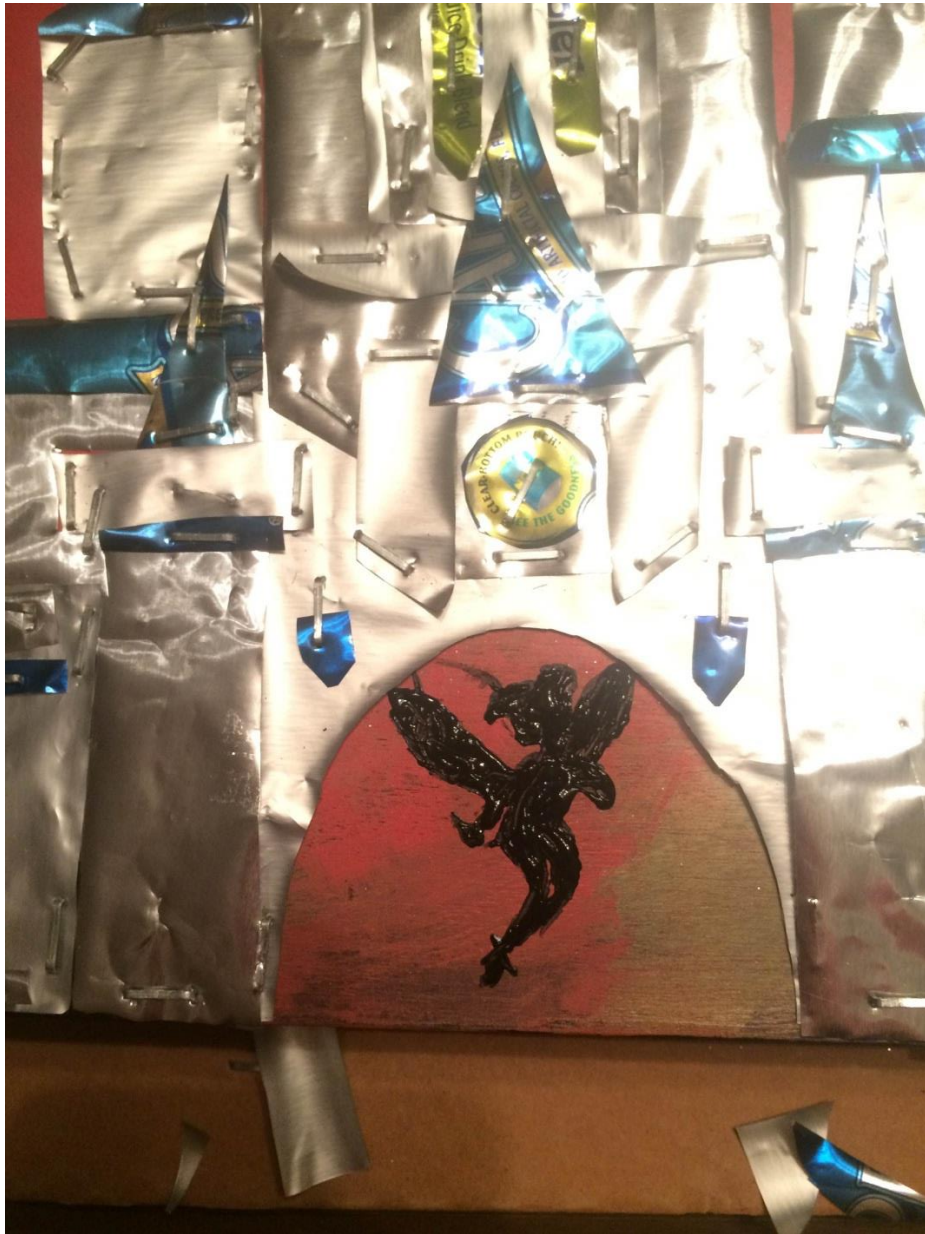
Disney Castle Capri-Sun Multimedia Painting

Disney Castle Capri-Sun Multimedia Painting (12/24/14-wood,Capri-Sun pouches,staples,paint)

This was a Christmas gift for one of my good friends. Like many of my projects the idea developed over time. I started out wanting to make a Capri-Sun handbag, but when I realize that wasn't going to be possible, this idea started to grow.



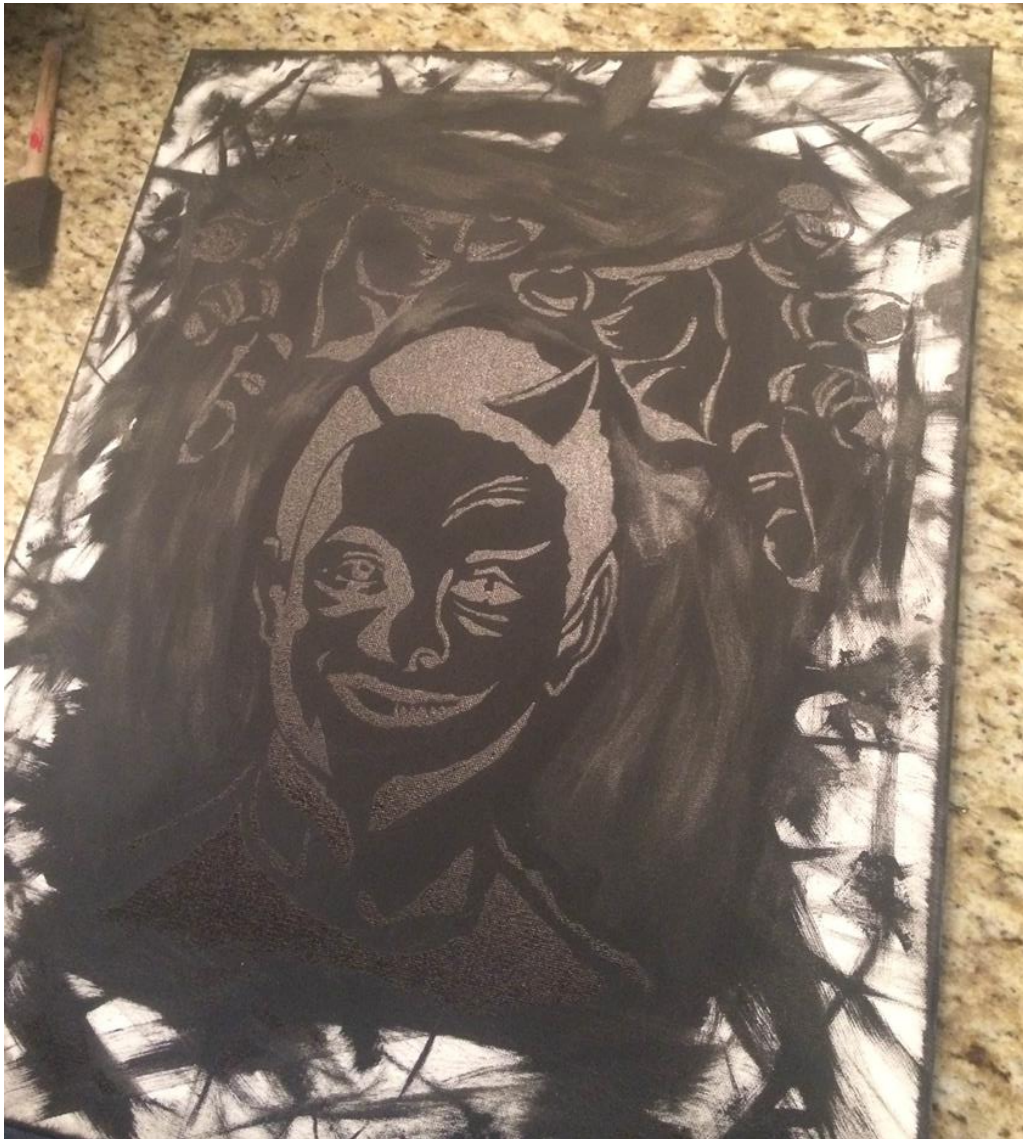


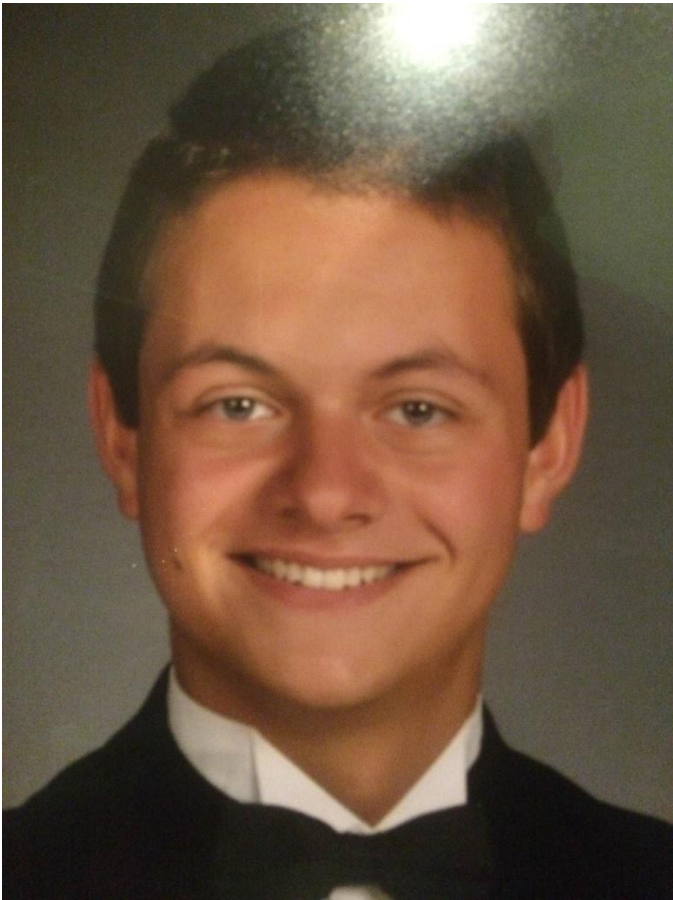


English IV Final Project Poem

English IV Final Poem (1/9/15-canvas,paint,stencils)

This was my final English poetry project. For the project we were supposed to write a poem about our selves. I took the teachers challenge and ended up writing a correct Shakesperian Sonnet and including a painting to accompany it. The project was derived from Edgar allen Poe's *The Imp Of The Perverse*.







Imperfection Minus Perfection

The Human Soul holds all the keys to life,
So why do I, myself bring to the end?
I'm simple'r than the simplest loosestrife rife,
And care more than the oldest friend you fend.
Myself I can express through art and view,
Illuminating all the queries mask'd.
I am more shallow than the bars at two,
Yet more complex than all clocks series task'd.
You won't find a contention that's as cold,
But logic is what's used in my routine.
I shadow all the explanations told,
Yet Oceans hold no fathomless Ravine.
The Prison Guard of our life is the Imp,
And it is Him that causes us to limp.

Snow Globe

Snow Globe (12/18/12-glass jar,wood,cauk,mineral oil)

This was a Christmas gift for another one of my good friends. The theme of our marching band show that year was the trail of tears. The Cherokee Indian Memorial in Cherokee NC inspired me to hand carve this tiny replica, and then my friends collection of snow globes inspired me to put it into a snow globe.











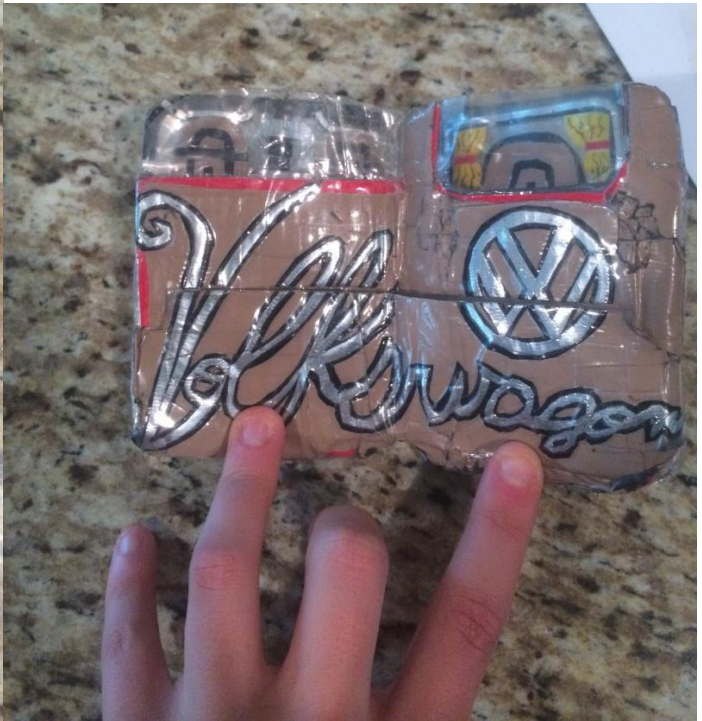
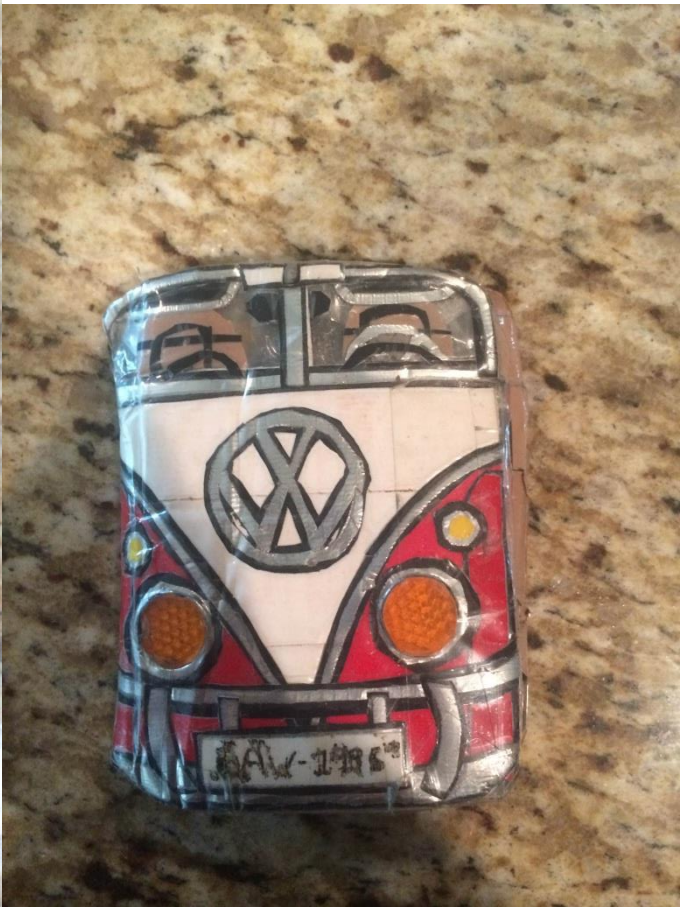
Duct Tape Wallets

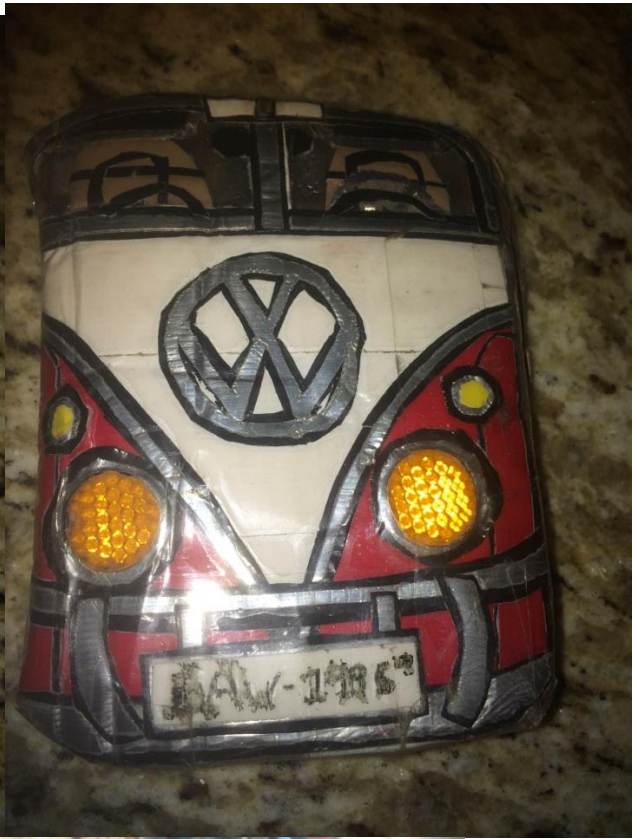
Duct Tape Wallets (10/7/12-duct tape, x-acto knives)

I used to be very big into making things of of duct tape. These two wallets were just two out of the many things I made out of the course of a fer years. The blu wallet fas over 70 compartments while the VW Bus wallet is simple in ue but very intricate in design.









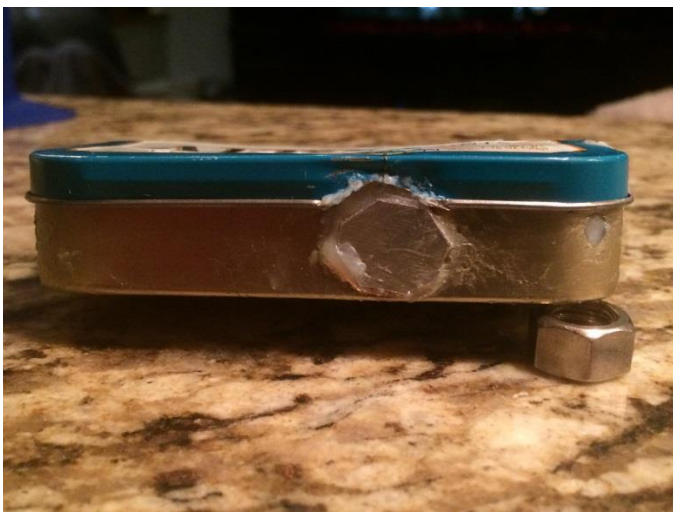
445nm 1W Altoids Can Laser

445nm 1W Altoids Can Laser (4/23/13-wood,plastic,metal,nylon)

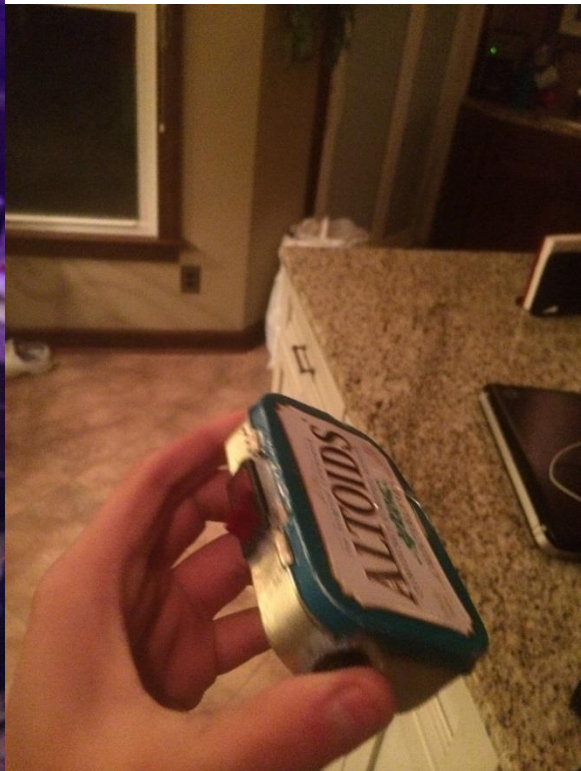
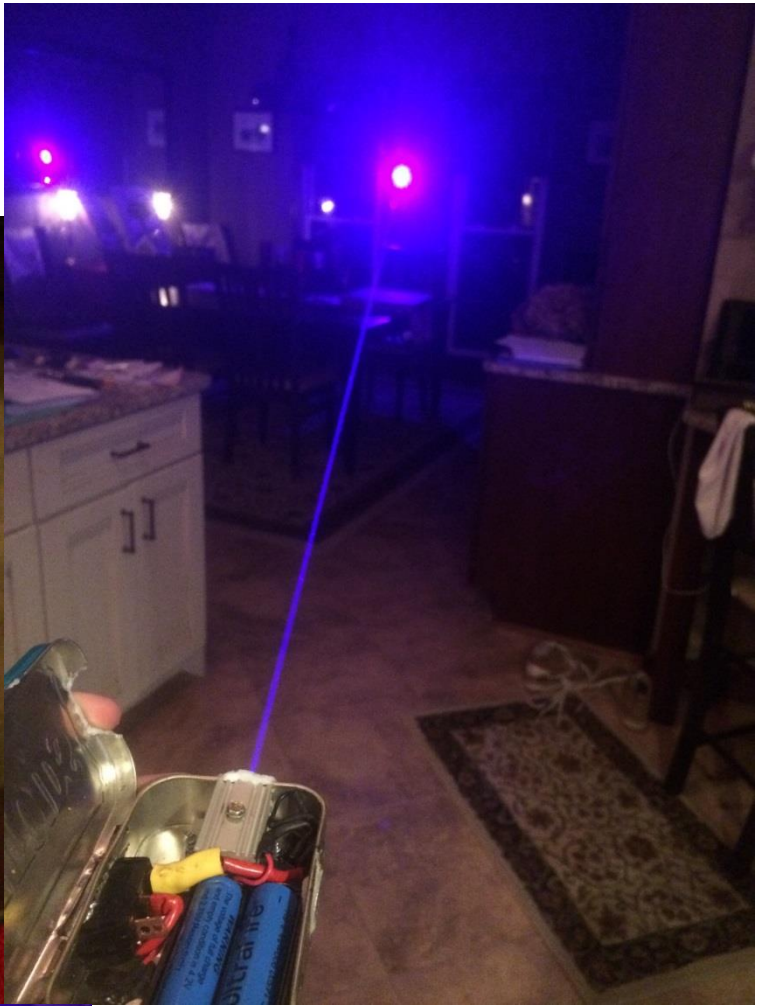
I built this laser primarily for a current Physics/Engineering Club project. We are building a submarine that we are planning to mount the laser to so we can complete tasks such as cutting tape and popping balloons.

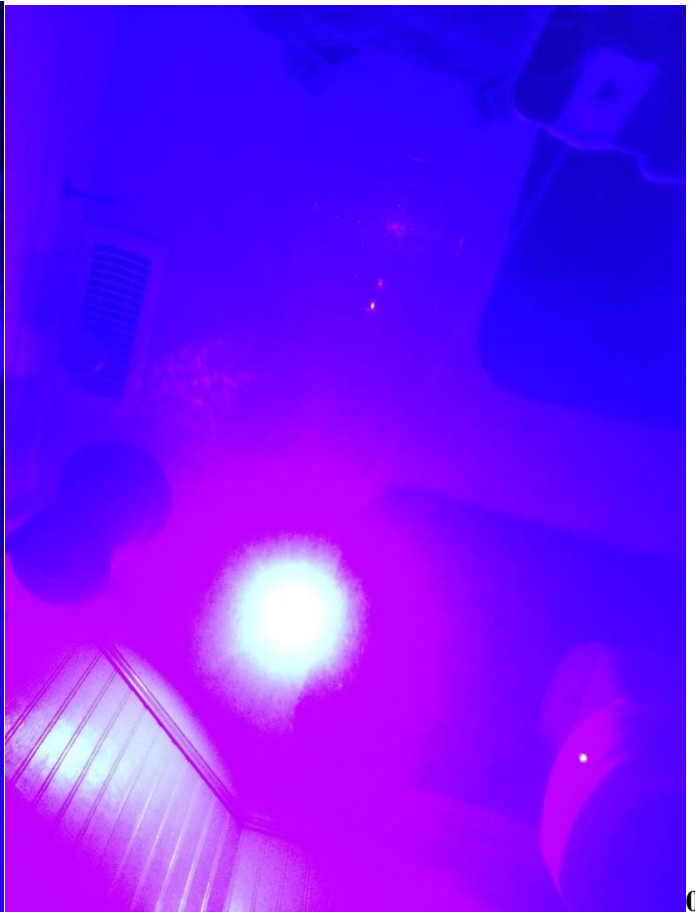
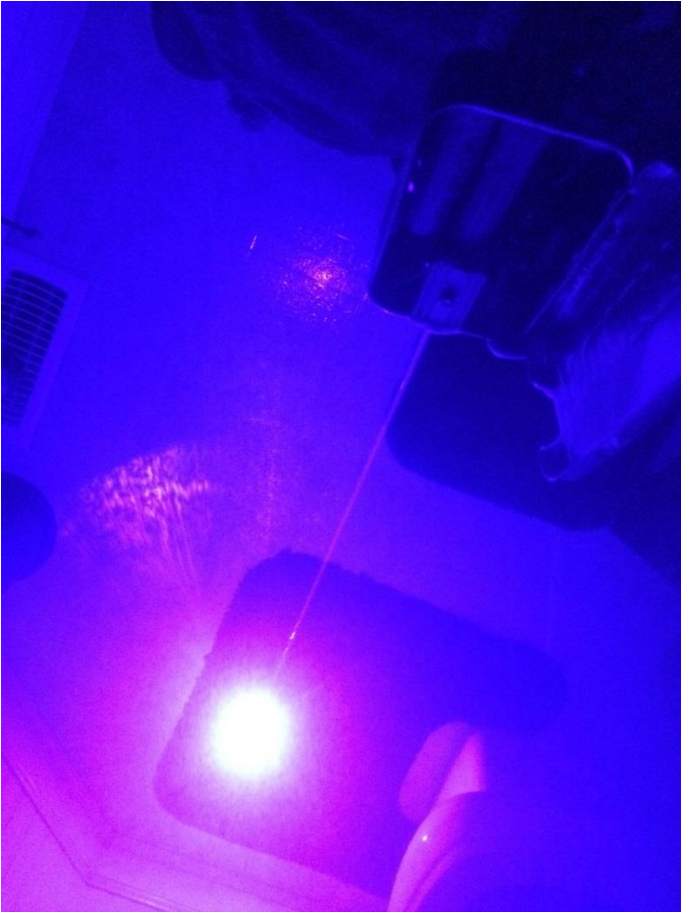




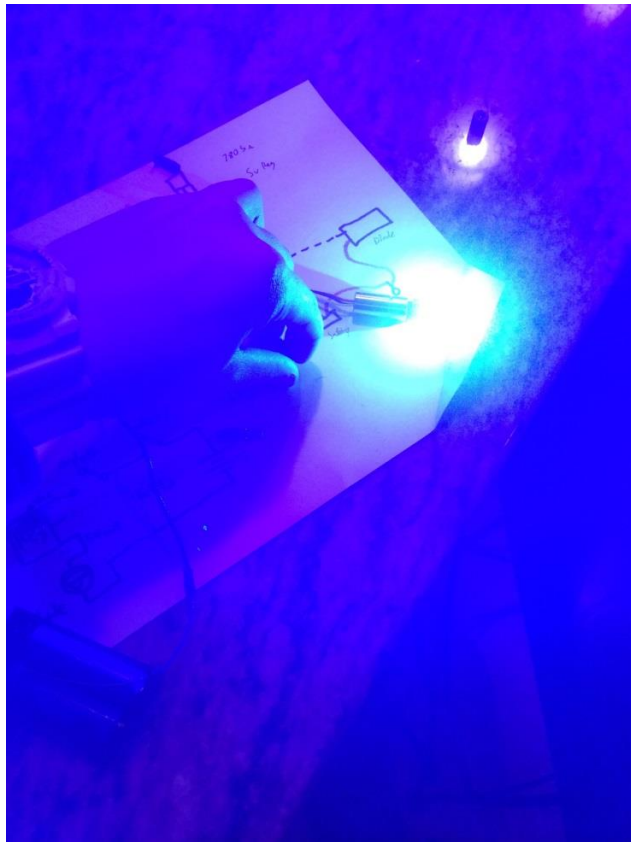


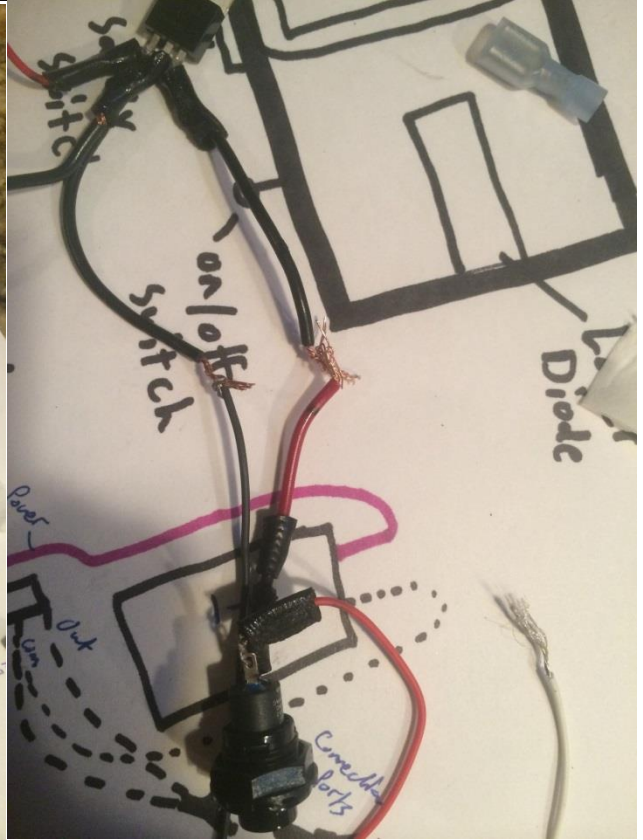
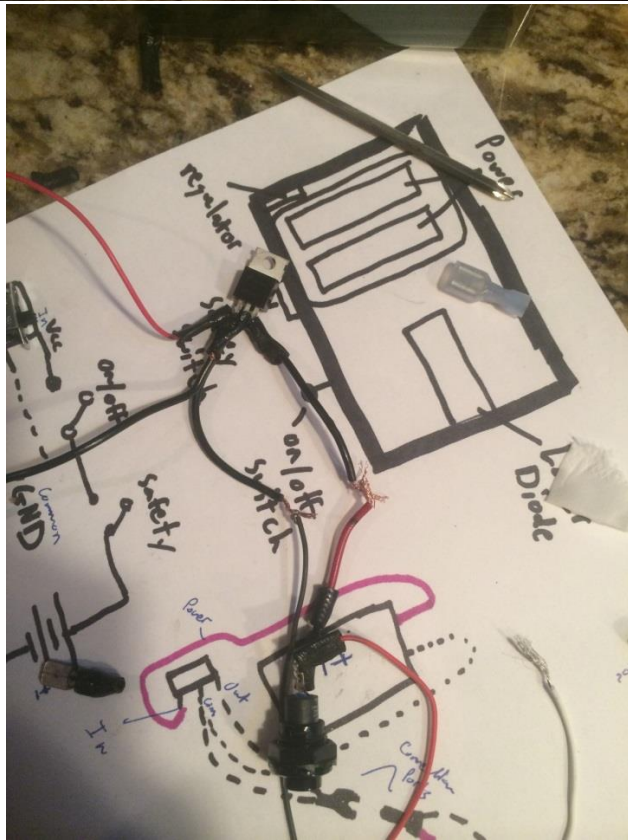
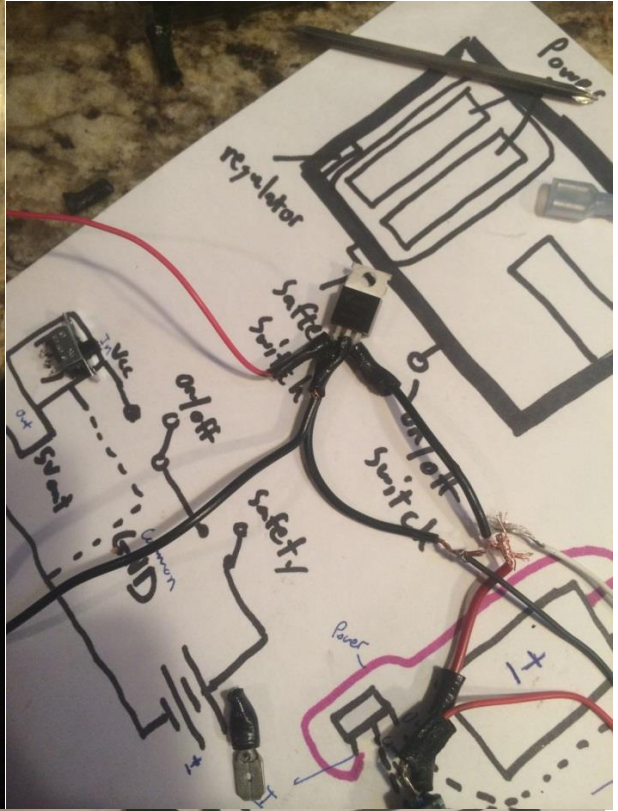
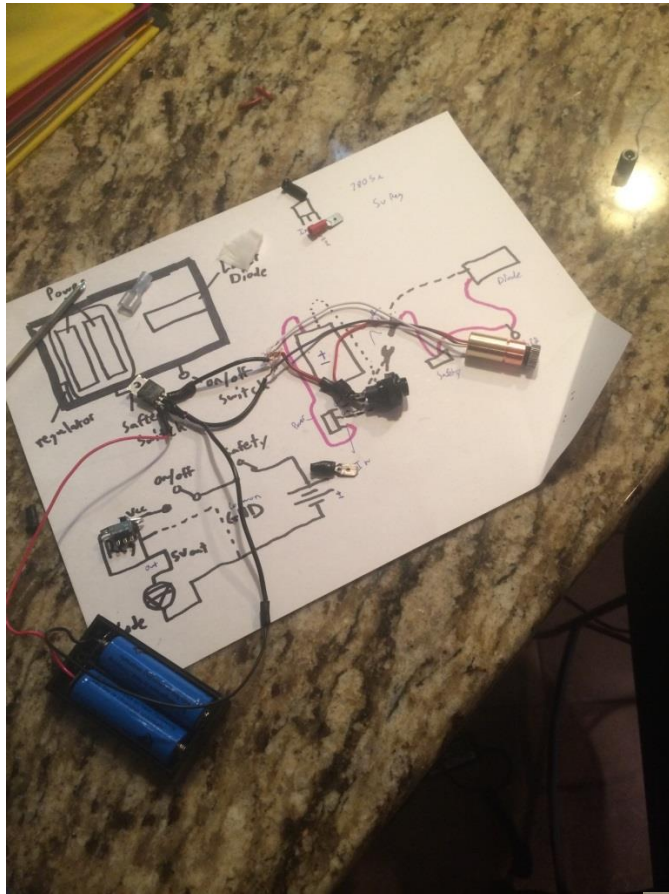






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Essay

The Phonograph

Product design has been implemented even since man created its first tools. One product design from the late 1800's has and will have an unprecedented impact even fifty years from now. In 1877 Thomas Edison unveiled what he called a Phonograph. As there had been products previous to this that produced music, there had not been one that recorded AND produced music. The phonograph started the ball rolling for the idea of playing recorded music through a device. In 1899, the first "jukebox" was designed and then we can skip ahead to the 1920's with the creation of the radio station. These products and ones that came later all had the same goal: getting music heard. And that correlates into today's society. With the progression of society comes the progression of music and vice versa.

Everything we do is affected by music in some way. In the 1950's Rock and Roll was born and with it came a new era of rebels that focused on un-conforming much like the previous "flappers" of the 1920's. Even now with what today's Rap music says and illustrates, it alters the way some young people act. Although there have been studies on how music affects us and that is common knowledge, for the most part those facts aren't understood by those who the music is affecting the most. We learn more about how to act in our younger ages than at any later point in

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our life. The ideas of having a product that makes wide-spread public music possible started when the phonograph inferred it was possible. Music acts as a type of propaganda if you will for young minds and even sometimes older minds. It's not just what we learn from music that affects us, but also how the music can affect our current mood. Soldiers during the Second World War didn't march out to the battlefield listening to Bach or Mozart; they marched out to strong and inspiring drum rudiments. This inspired them and filled them with the pride they needed to fight for their country. But the effects can be much more specific or radical than that.

With the current problems that are immanent to happen or are happening such as over-population of the earth and hurting the environment, changing the messages that are portrayed through music to combat these issues could be key to solving them. For example, Rap music in its music videos, a lot of the time, portrays enjoying life through the consumption of alcohol. This affects those who are listening to the music by suggesting the cool/hip way to have fun is by the consumption of alcohol. On the other hand, I often listen to classical music when I'm doing homework or anything else I need to get don't because I have found that it soothes me and makes it easier to focus. It is almost like a type of propaganda that can either be used positively or negatively. If the message in music starts to change then so will the minds of the people. Music is the voice of humanity. In a sense it can act as an "audio-photo album". This is seen in the 20's with its swing, the 80's with its techno pop; these are concrete examples of this idea. Music

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reflects the thoughts and ideas of people, and especially now a days it's becoming more important to get positive messages spread. Without the technology to be able to record and playback music, many of these thoughts, ideas, and emotions would be lost forever. "A picture is worth a thousand words", well songs are words.

If you really look at it, the phonograph pioneered the way towards modern day radio. It showed that sounds/music could be recorded and played back when desired. At the time Edison never thought that his product would effect as much as it did. The modern day radio is everywhere, cars, phones, television, and it's always changing. And with its changes comes the changing of society. The phonograph will have the most unforeseen impact fifty years from now because the idea it embodied, the idea of spreading music, will play a large role in shaping the minds of generations now and to come.

