DESIGN FOLIO

BY

DESIGN PROCESS

Step 1 – Drawn rough Sketch (including each compartment).

Step 2 - Sketched by using inventor.

Step 3 - Sketched were then extruded.

Step 4 - All sides were assembled together.

Step 5 - Sketch was then transferred in to QuickCam Pro.

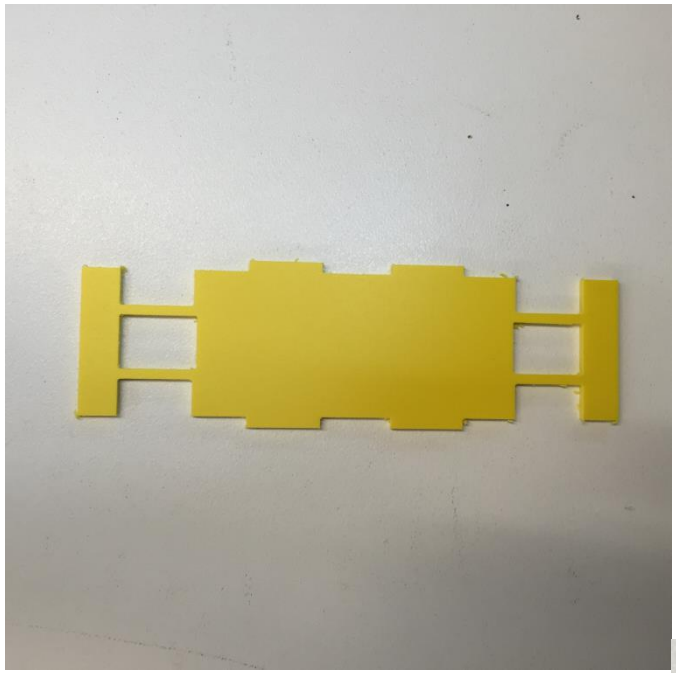
Step 6 - Sheets of plastic were prepared for the final product to be cut out of.

Step 7 - 3D print the project.

INSPIRATION/THOUGHT

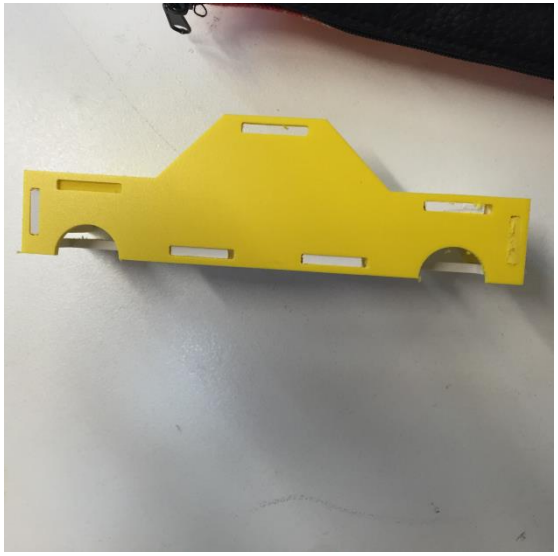
- **As I was designing this project, I always had the thought of making a 'dune buggy' a such, but I didn't know what it would finally turn out to look like.**
- **During the process of creating this, I always wanted the motor and battery pack to be in the inside of the car shell. But when it was printed out we soon discovered that it wasn't possible. It was possible because the car itself was too small. Therefore the motor and battery pack to be attached to the outside of the car.**
- **In the process of designing this car, we were required to choose what sized wheels we wanted (small, medium or large). I chose the large wheels because by having large wheels it helped create the physical appearance**

Components

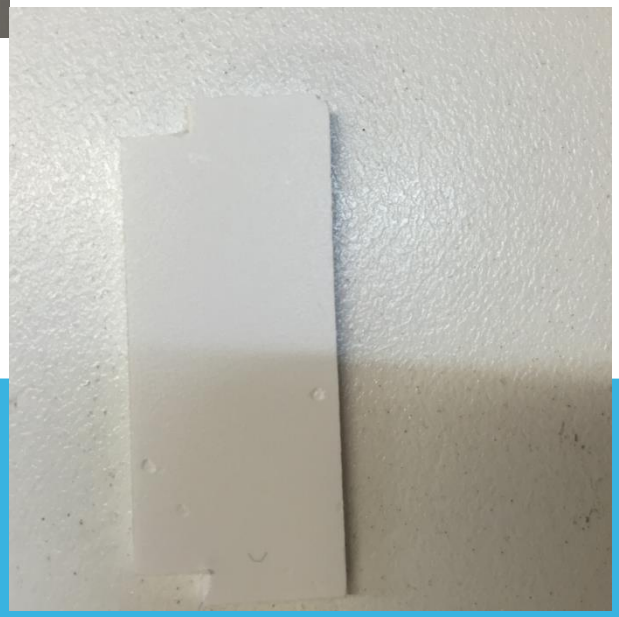


Bottom

Bonnet and Boot



Sides



Back and Front

FINAL PRODUCT

EVALUATION

- I believe throughout the construction of my product there were many components that could be improved. One being the size, if I was to create it again I would make it larger. I would make it larger so that the motor could fit inside as well as the battery pack.
- Another being that when cutting it out that I make sure that it was drilled in further enough so it easily come away from the original sheet of plastic.
- Also when sketching the original, that I took into account for the sizing of the battery pack and motor. This being so that it could all be hidden within the cars shell.