

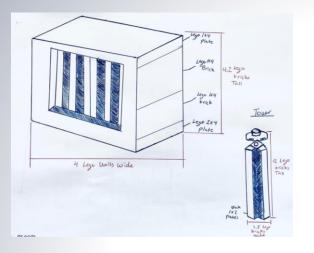
Kansas City Lego WW1 Memorial

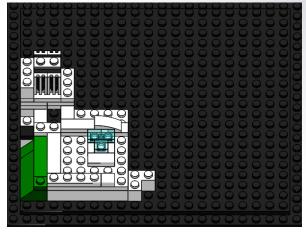


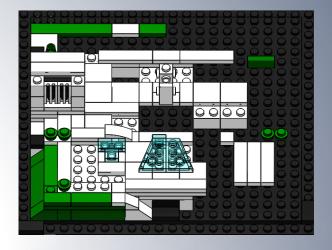
Project Evolution

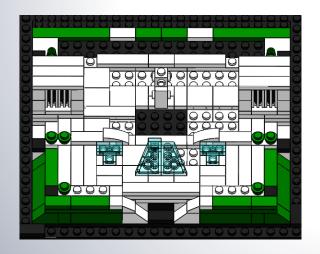
 50 Lego pieces modeled by design table

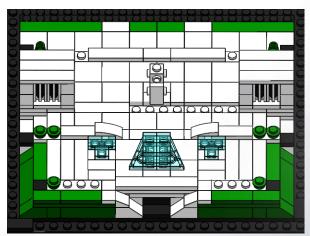


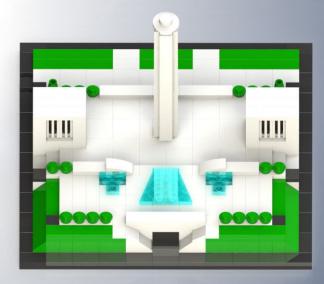




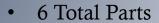






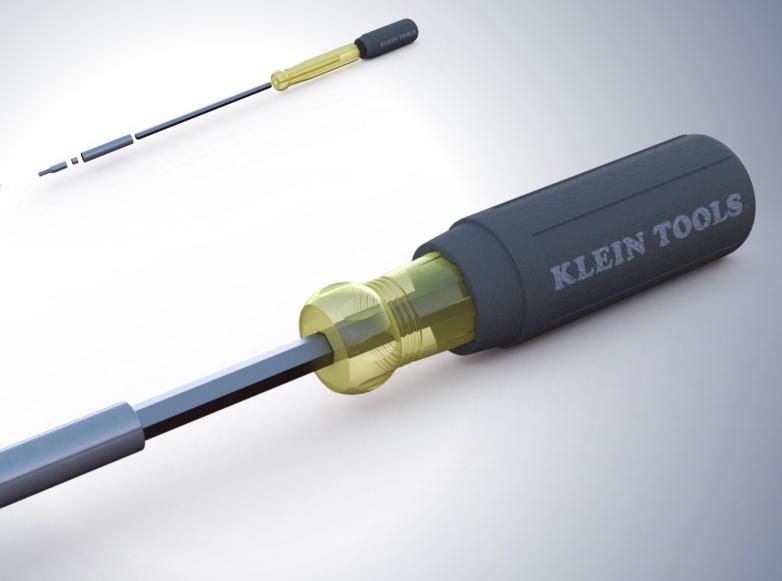


Klein Tools 11 in 1 Screwdriver



 Parts made and assembled in less than 3 hours

Interchangeable Bits modeled with a design table.

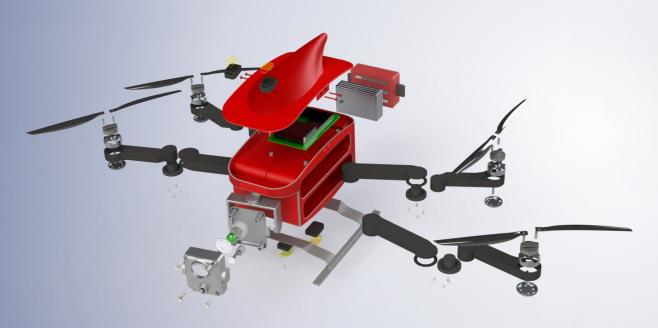


DRONE PROJECT

Trevor North: Main Body, Top Shell, Battery Pack, Landing Feet

Garrett Briggs: Motors, Camera Dean Fitzpatrick: Arms, Propellors

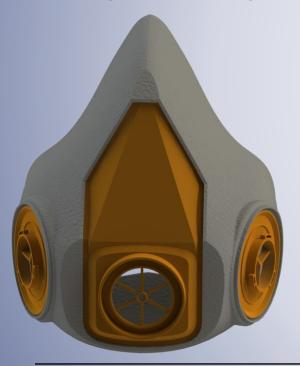
• Team Project with the goal to build and assembly a drone to aid in search and rescue operations

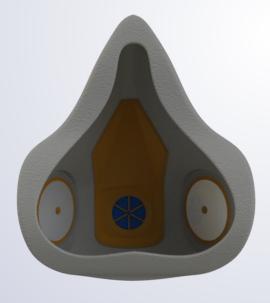




3M-HALF MASK RESPIRATOR

Project Goal was to choose a product and make a Next Generation Version. Includes making both changes to the design as well as to the aesthetics. Parts Required to be designed for Injection Molding Manufacturing.

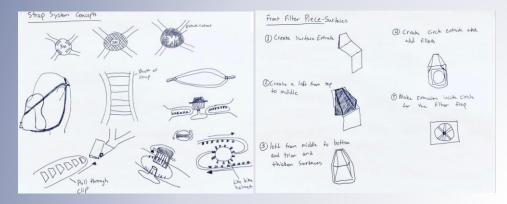






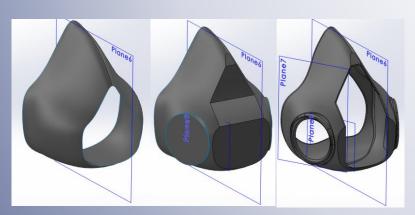
CAD Modeling

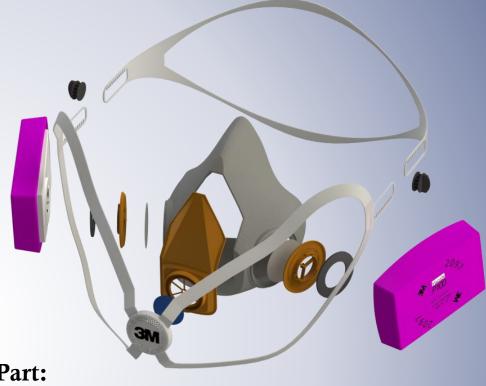
Sketches:



Strategies:

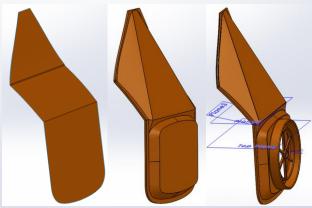
- 1) Surface loft between two sketches.
- 2) Planes placed at angles, surfaces extruded, and cuts made.
- 3) Surfaces knitted, thickened, and extrude cuts used.





Master Modeled Part:

- 1) Surfaces used from Main Body of Mask
- 1) Surfaces lofted to angled planes. extruded
 - 1) Surfaces thickened, circle body.



Analysis & Drawings

