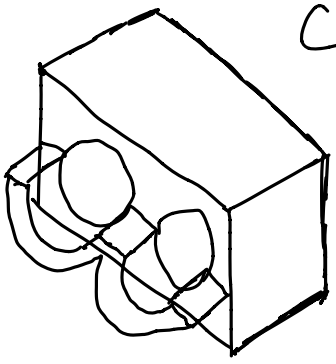
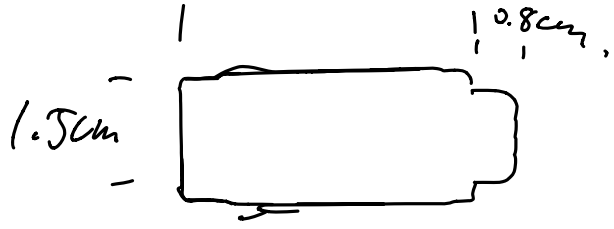
Opportunity: bluetooth mounted in breadboard runs the risk of catastrophic failure

3cm x 3cm x 3cm



$\Delta T = 0.6cm$

$\Delta t = 0.4cm$



Stakeholders: team, teaching team, MyLEP

Objective: 1. design a component for our rover.
2. decorate rover
3. secure sesor
4. practice CAD & prototyping skills.
5. Maximize time input / utility

Metrix: 1. Durability
2. Aesthetics
3. Functionality
4. Cost ($)
5. Ease of implementation & (time consumption)
↳ learnability

Constraint: Size: 60x30x30 mm
must use 3D printing or Laser cutting

Criteria - - - - —

Reference designs :- install around breadboard
- unsupported

Diverging :

individual storming:

- ~~laser cut and assemble monster.~~
- ~~glue~~
- ~~tape~~
- 3D printing
- ~~draw onto monster.~~

Converging: 3D printing (richard - pugh)

design feature: - location
- material
- method of 3D print
- method attachment (glue)

Representation: CAD file, images.
3D model, pictures.

Verification: put on cover, cover works.