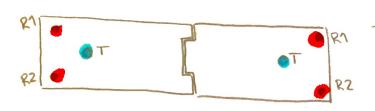
## Classic A-frame

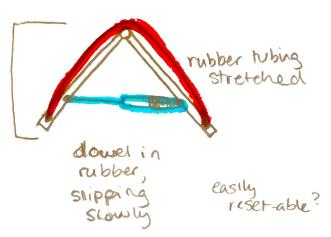




(add weight/ungth to ) one side for spin?)

- connect R1s & R2s w1
rubber rubing.
- 2 pieces = 2 x as
ruch jump?
- adjust length
for stretchiness

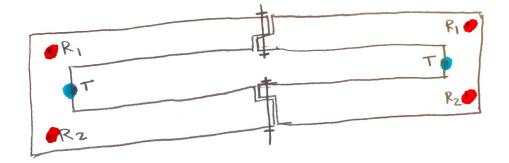
what is optimum "tallness"? tall or flat?



inspired by click beetle:

- (1) arches back, storing energy
- (2) slips pegand
  folds forwards
  head into lail
  lifting cg

variation 2 - flat w/ slot



this makes almost Flat possible

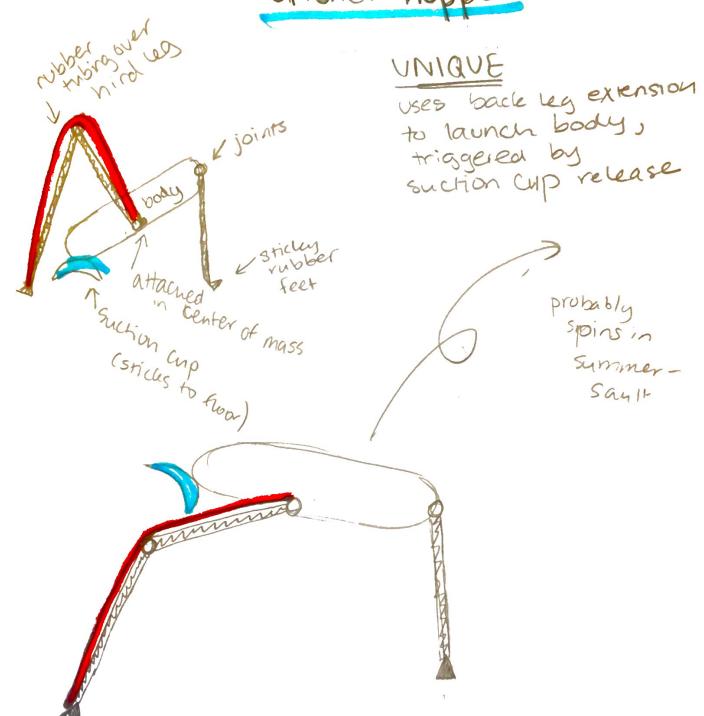
UNIQUE

this design contains two long pieces of rubber tubing storing a lot of energy and starts in an "A" shaped configuration

but makes the structure weaker

## Cricket hopper





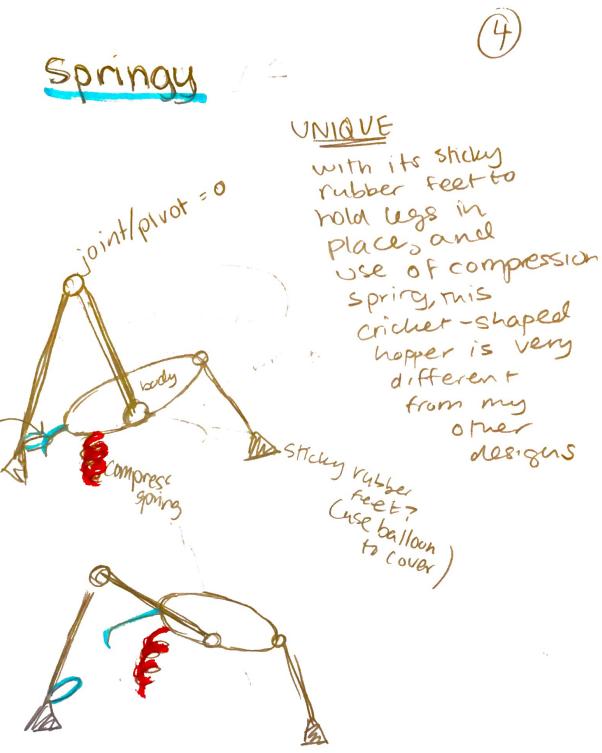


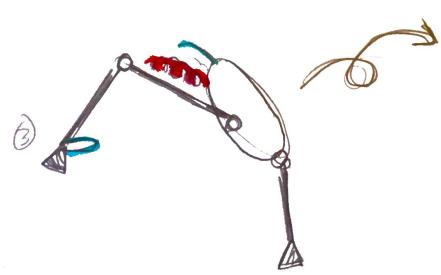
in cuse back foot slips, add foot/base plate or hooks



holds but to back toot

Ja cheknife UNIQUE sturdiev click-beetle shaped Frame with middle - better geometry pivot. rubber tube = M4 muscles = MZ trigger wire = MZ non-rotating donel nut & bolt? orderes taring wire for migger re-band Kspring each would be time trigger? beneficial to weight string & dowel as noved into rubber hise the ends 2 pulls to recease heavier mon burn fishing line using rocket igniter tapacitor? middle?



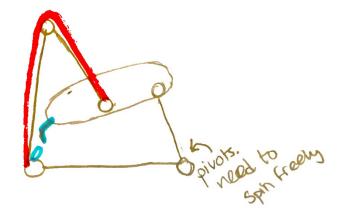


## 4-bour Link (cricket)



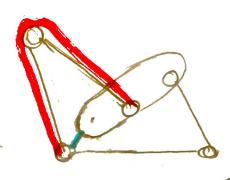
## UNIQUE

1



connects front and back legs to create more stable frame to launch from surface

2



locks indown ward position using wire hook

3

