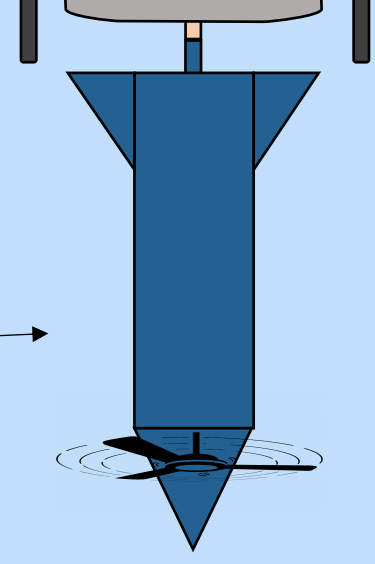
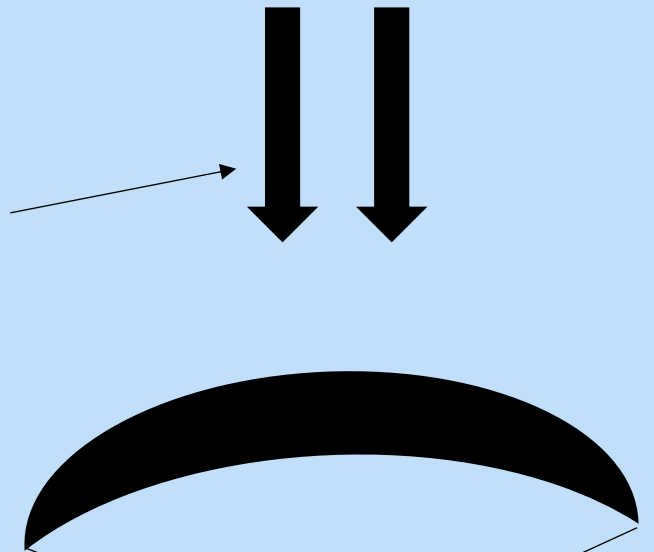


Team 311. Microgravity Machine

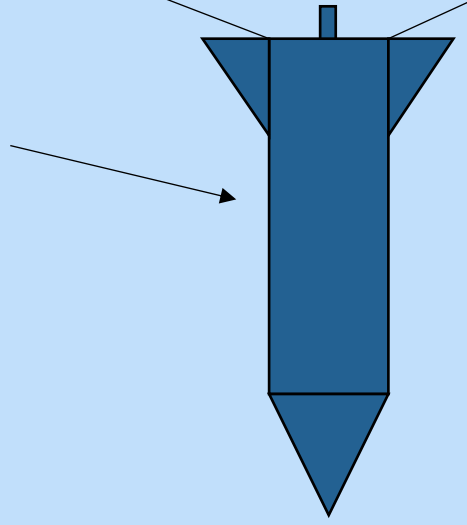
2: Lift the
e to 900 ft



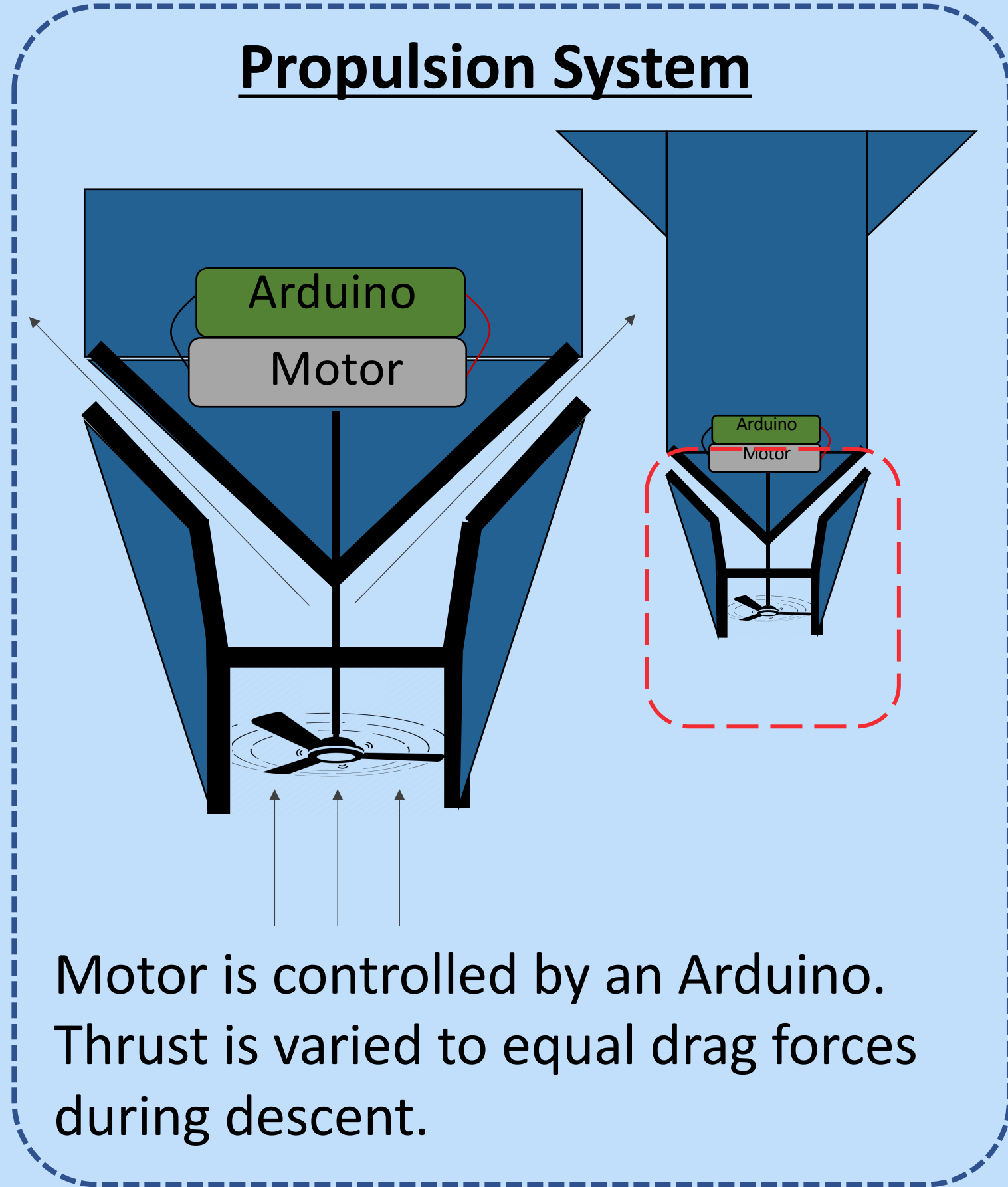
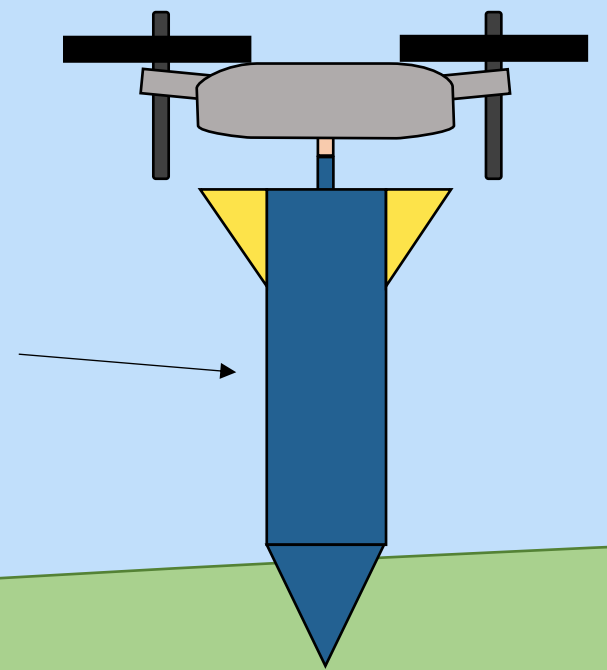
: Drop the
and engage
pulsion



4: Deploy
achute

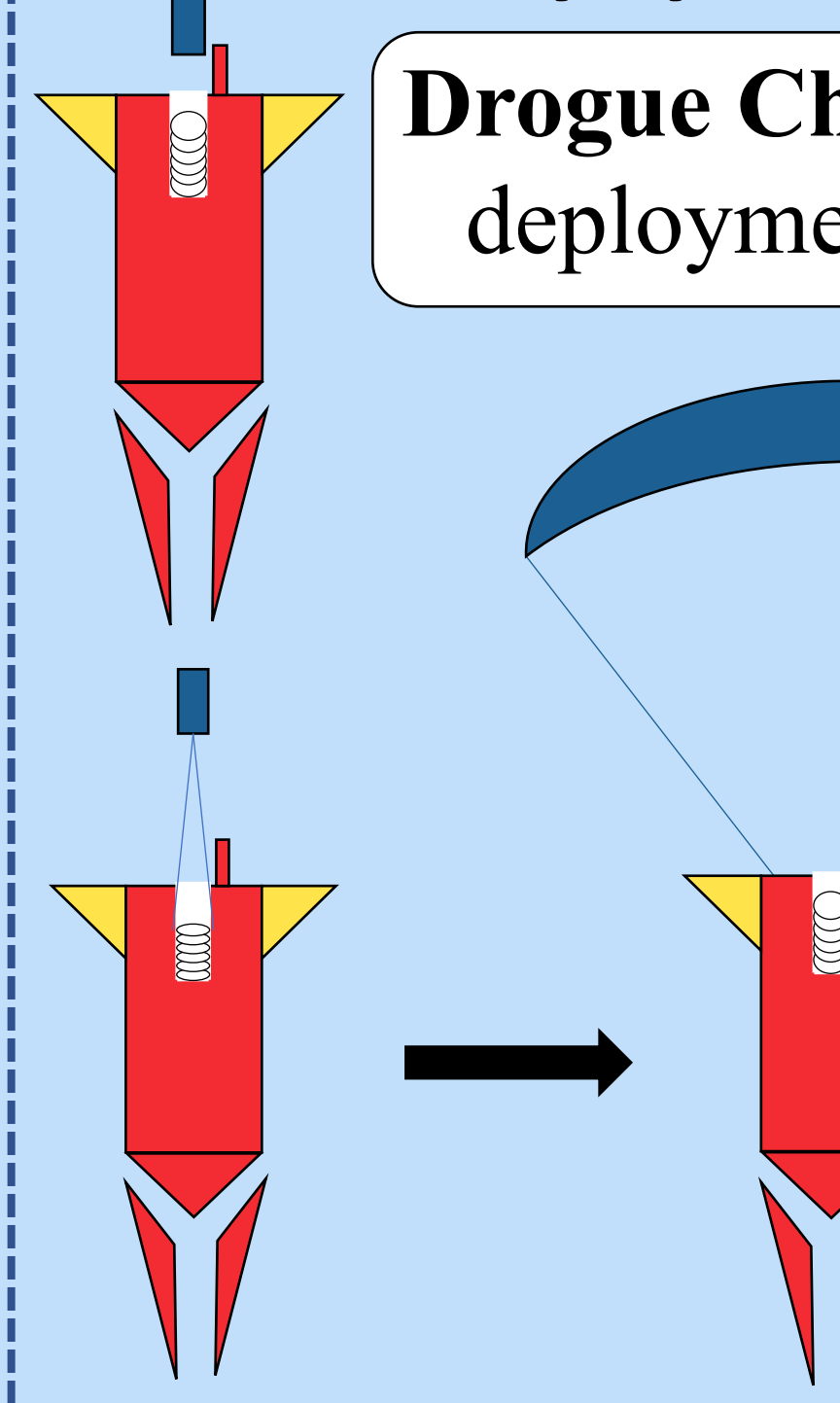


l: Connect
ehicle to a
rone.

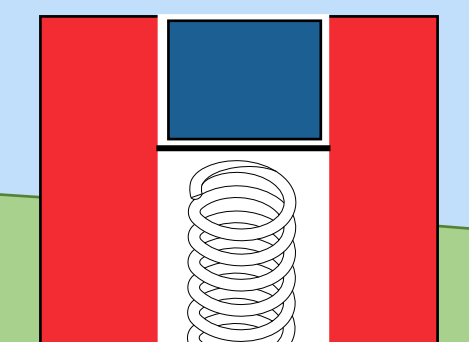


Motor is controlled by an Arduino.
Thrust is varied to equal drag forces
during descent.

Droge Ch
deplyme



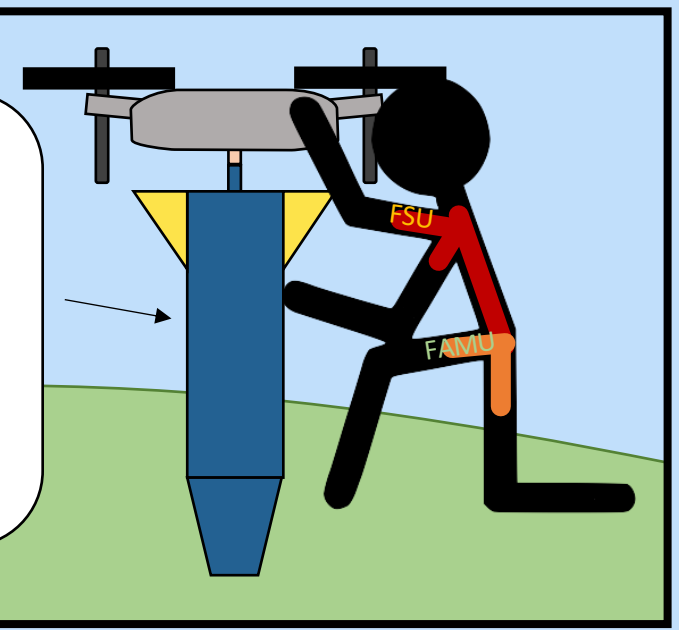
Droge Chute is rele
with a spring after 4
seconds of Microgra
are achieved.



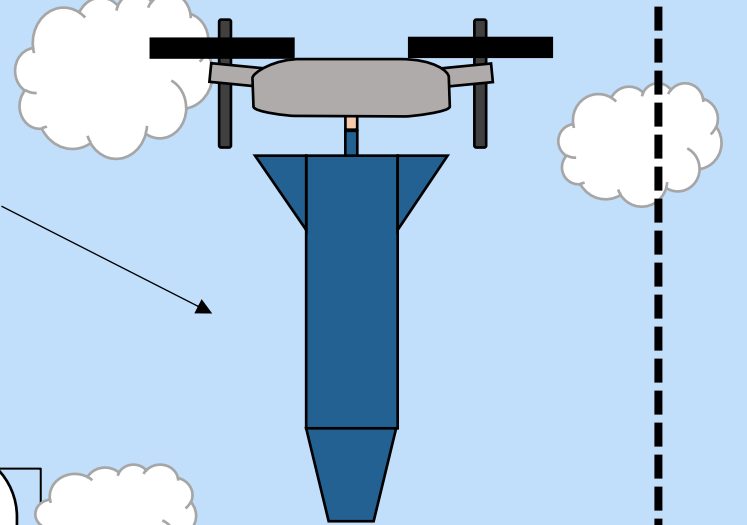
Team 311. Microgravity Machine

that can be dropped from a drone. Achieve Microgravity during descent and be safely recovered for reuse

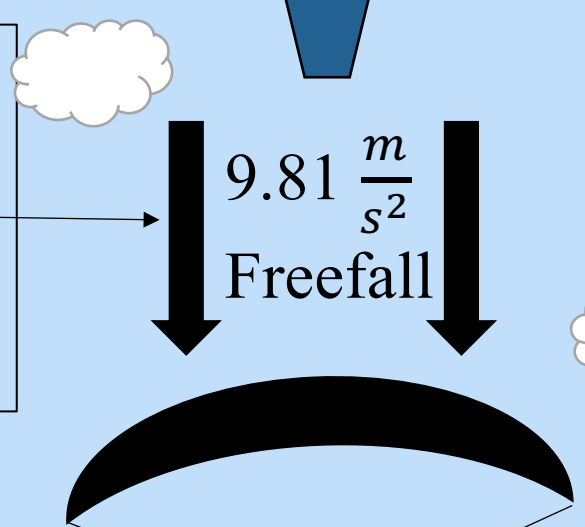
1: Connect vehicle to a drone.



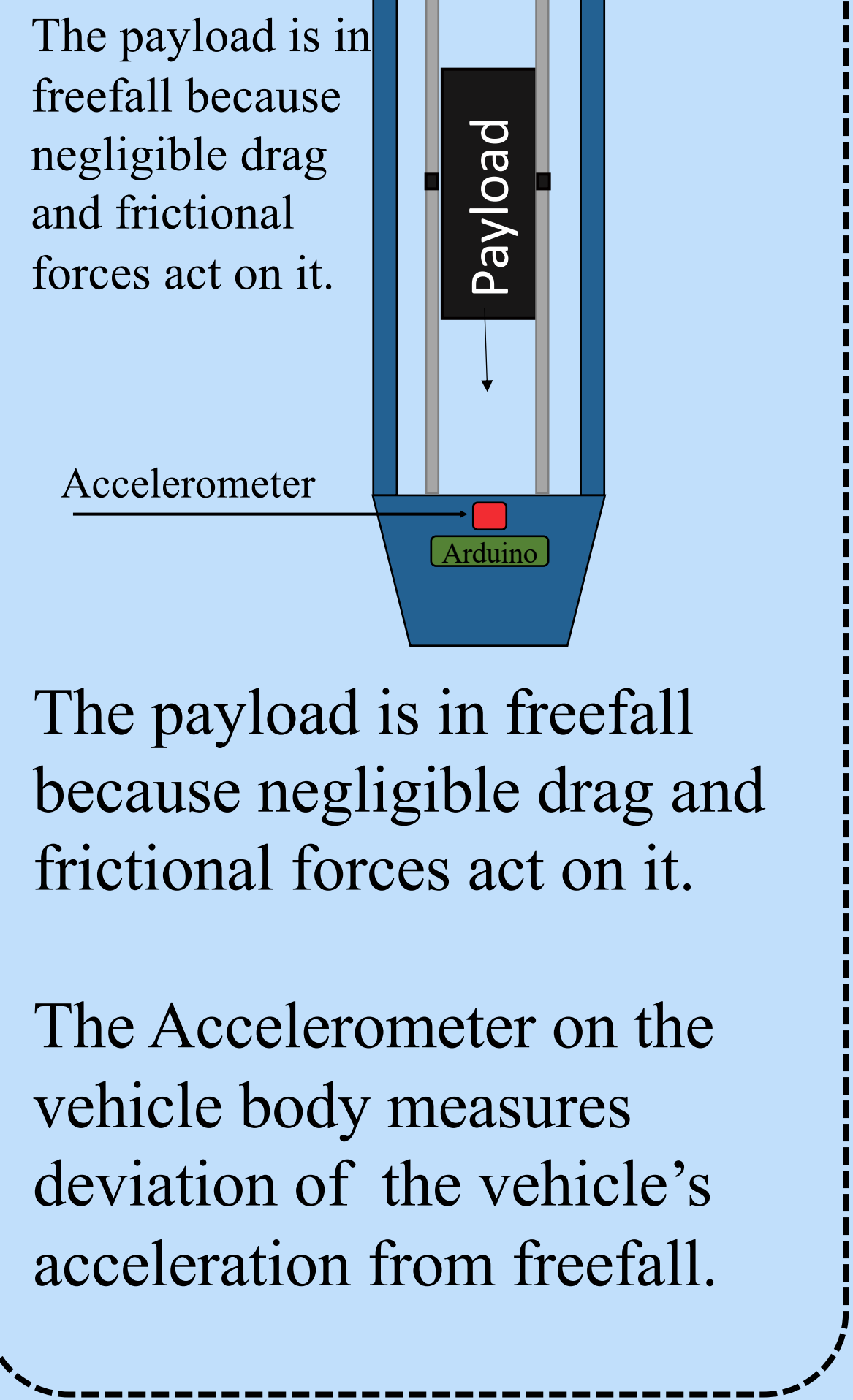
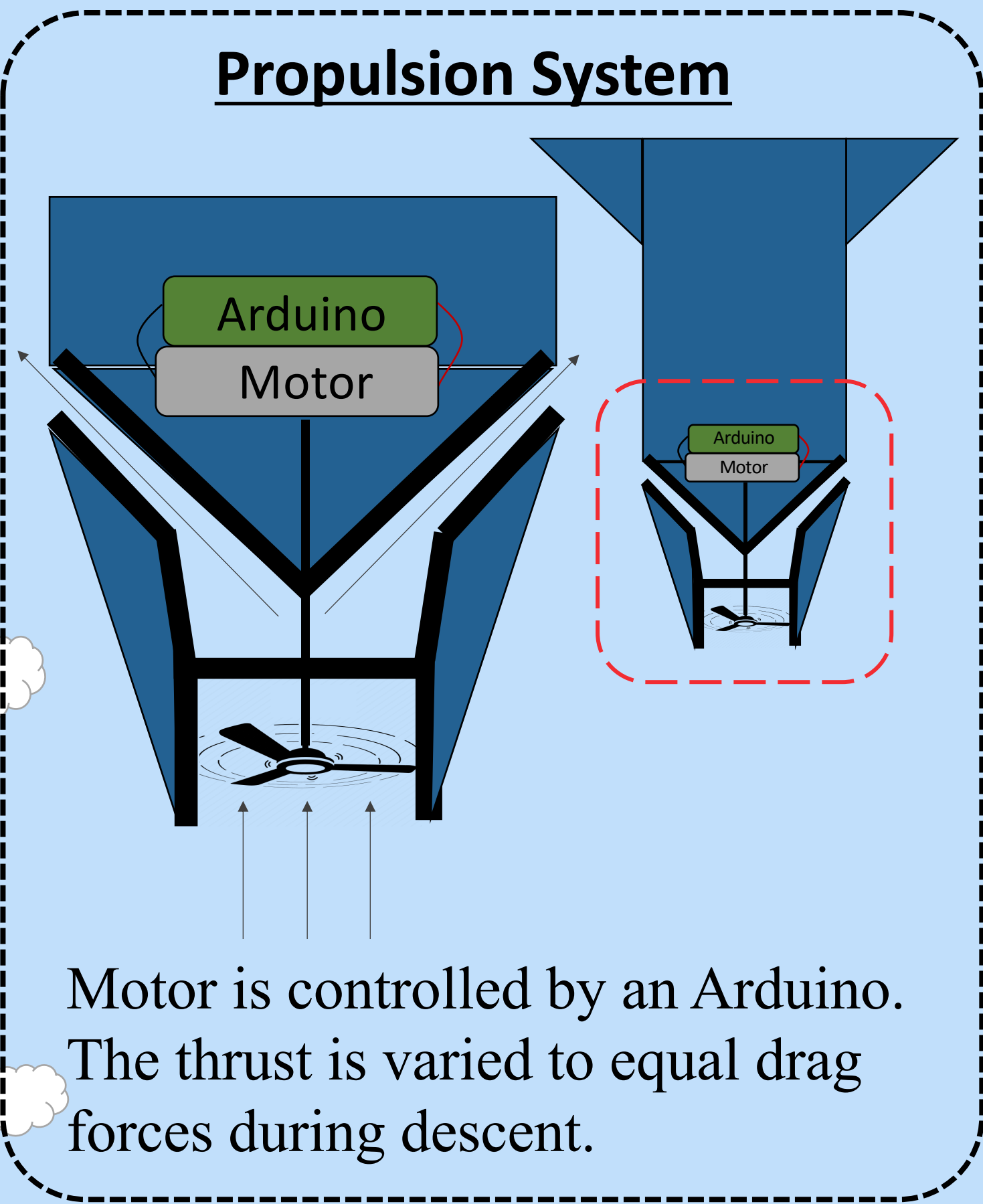
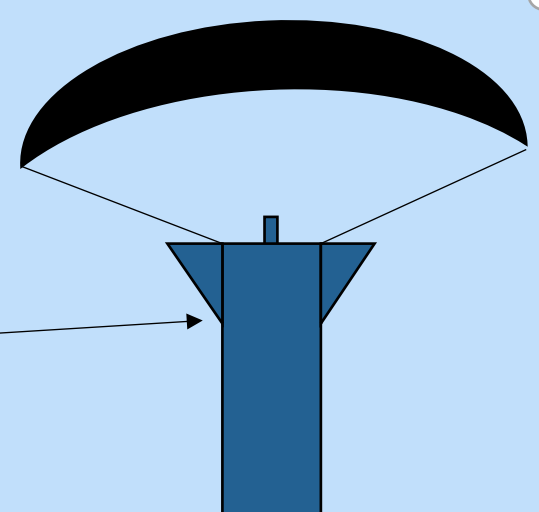
2: Lift the machine to 900 ft



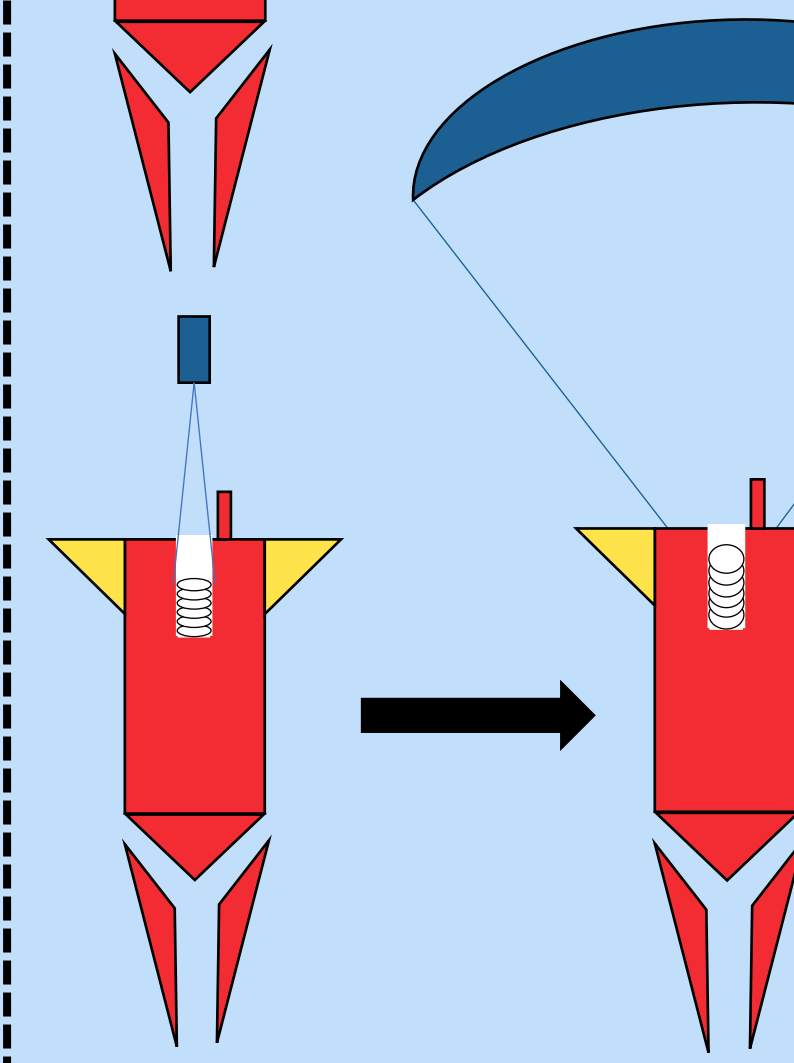
3: Drop the machine and engage propulsion



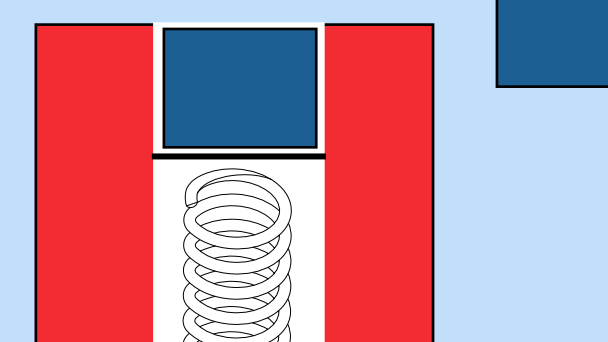
4: Deploy parachute



Drogue Chute deployment

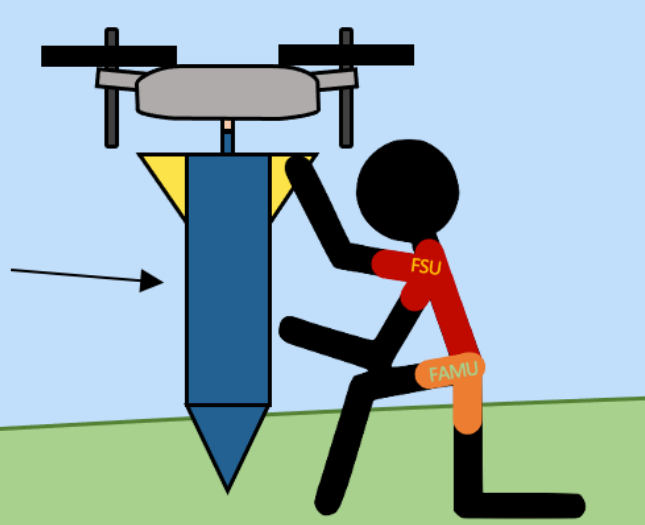


Drogue Chute is retracted with a spring after several seconds of Microgravity are achieved.

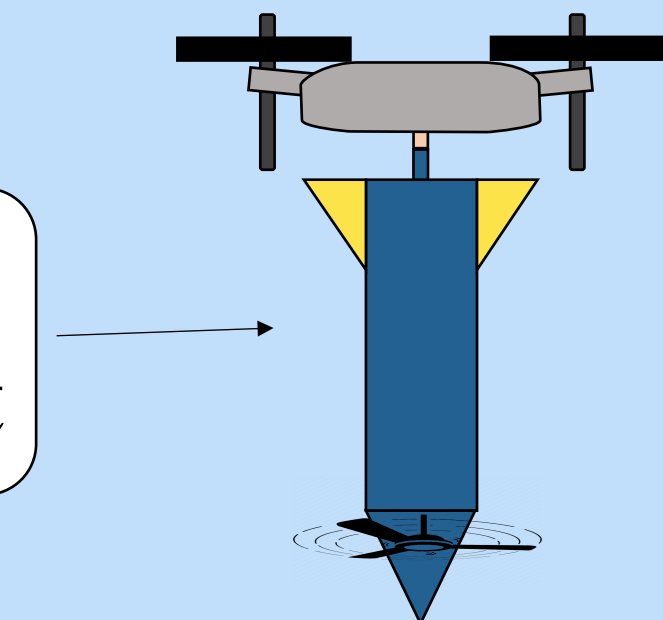


Team 311. Microgravity Machine

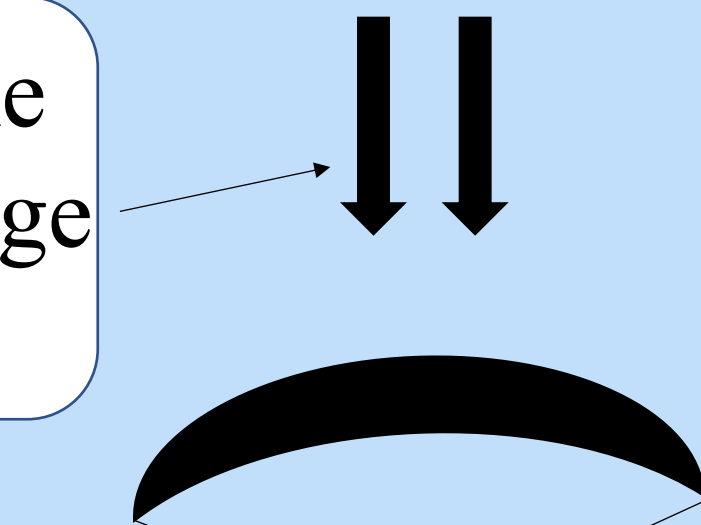
Step 1: Connect
our vehicle to a
drone.



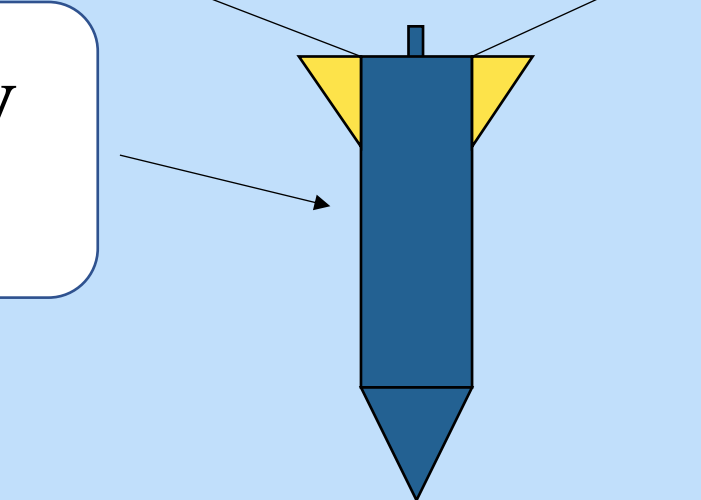
Step 2: Lift the
vehicle to 900 ft



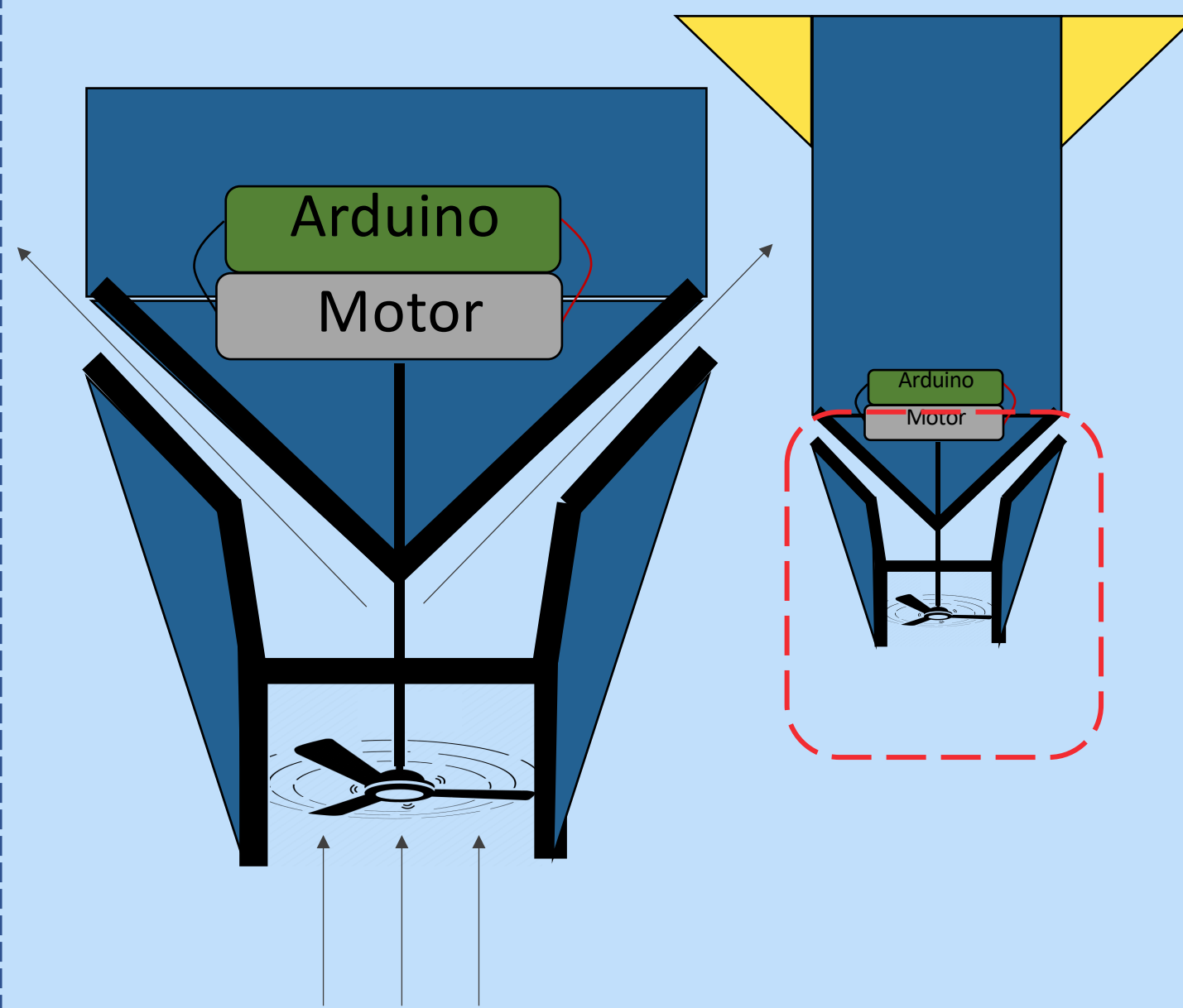
Step 3: Drop the
vehicle and engage
propulsion



Step 4: Deploy
parachute

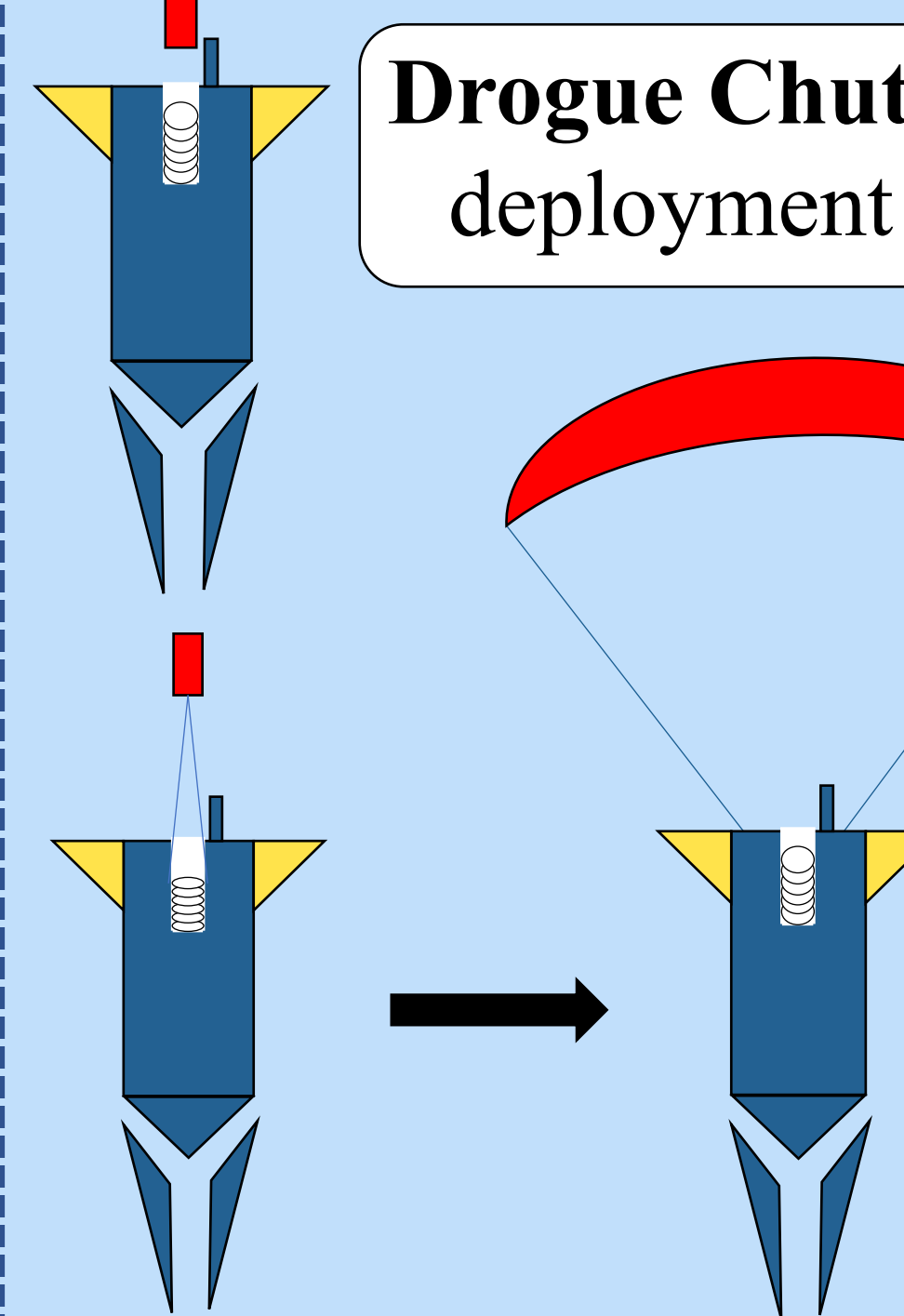


Propulsion System



Motor is controlled by an Arduino.
Thrust is varied to equal drag forces
during descent.

Drogue Chute
deployment



Drogue Chute is released
with a spring after 4
seconds of Microgravity
are achieved.

