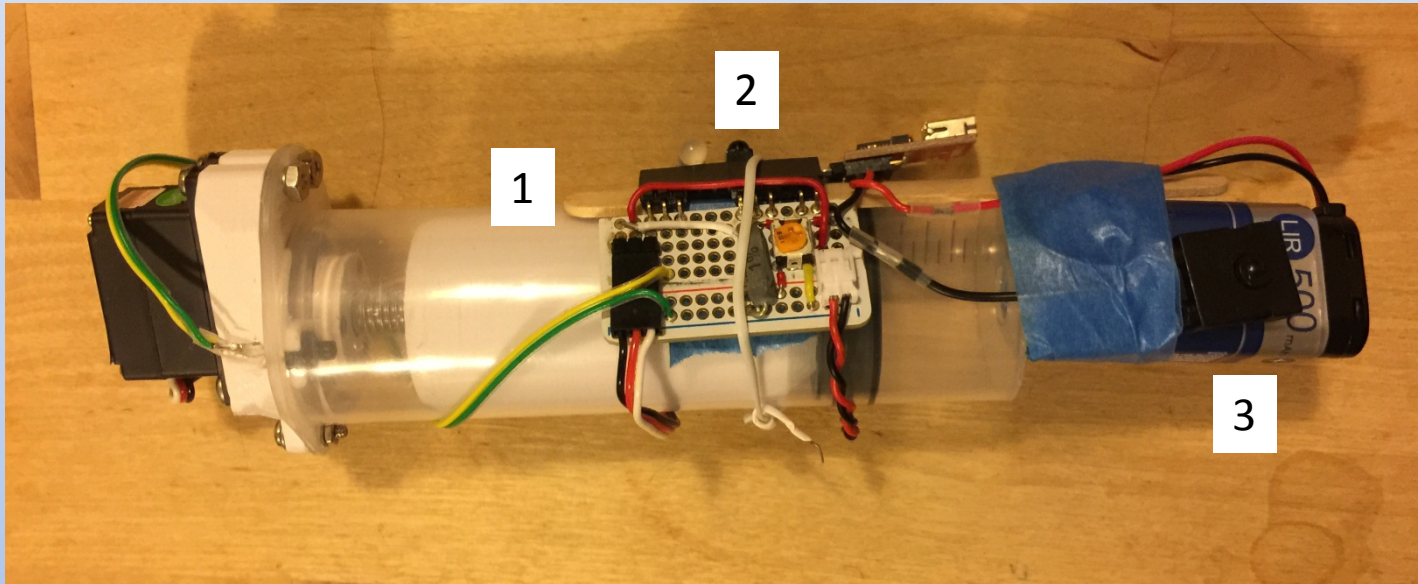
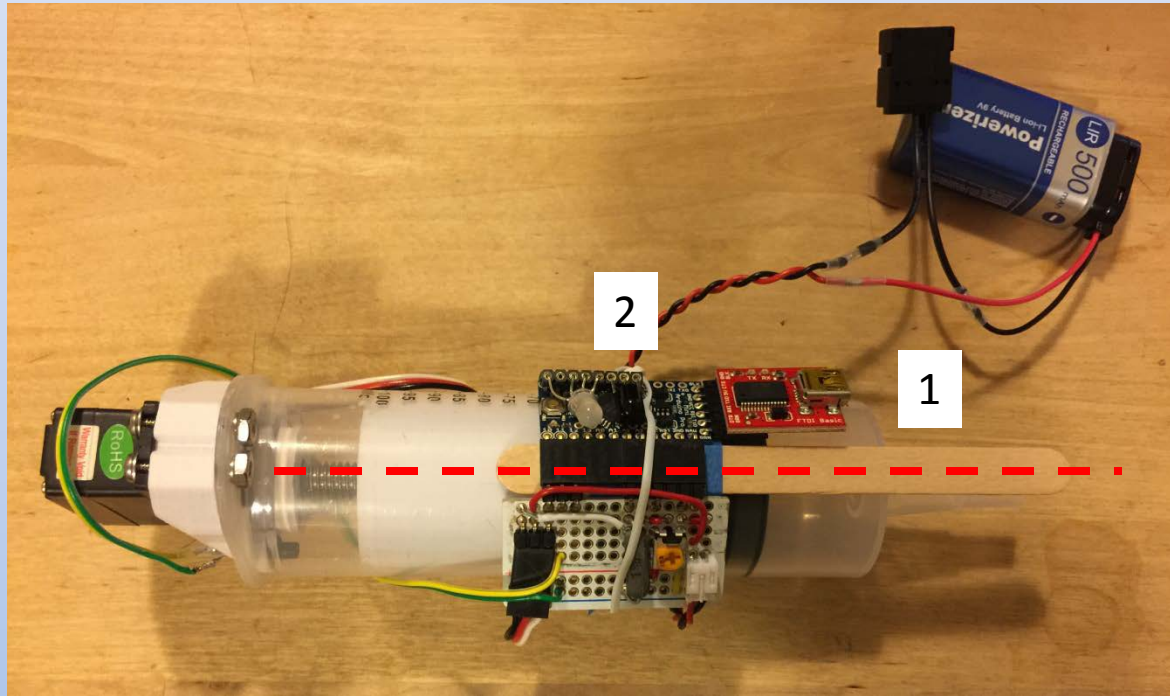


Buoyancy Engine Final Preparations



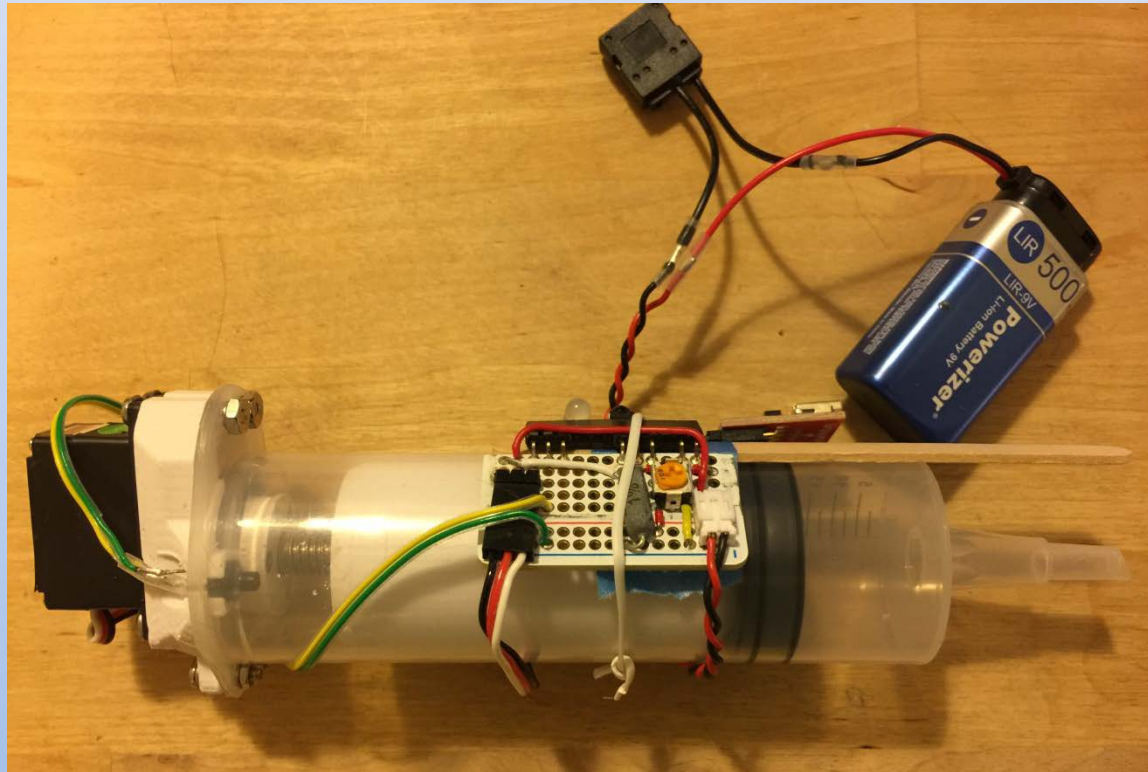
Final preparations include attaching a Popsicle stick support (1), buoyancy engine controller (2), and power supply(3) to the buoyancy engine.

Attach Popsicle Stick and Controller



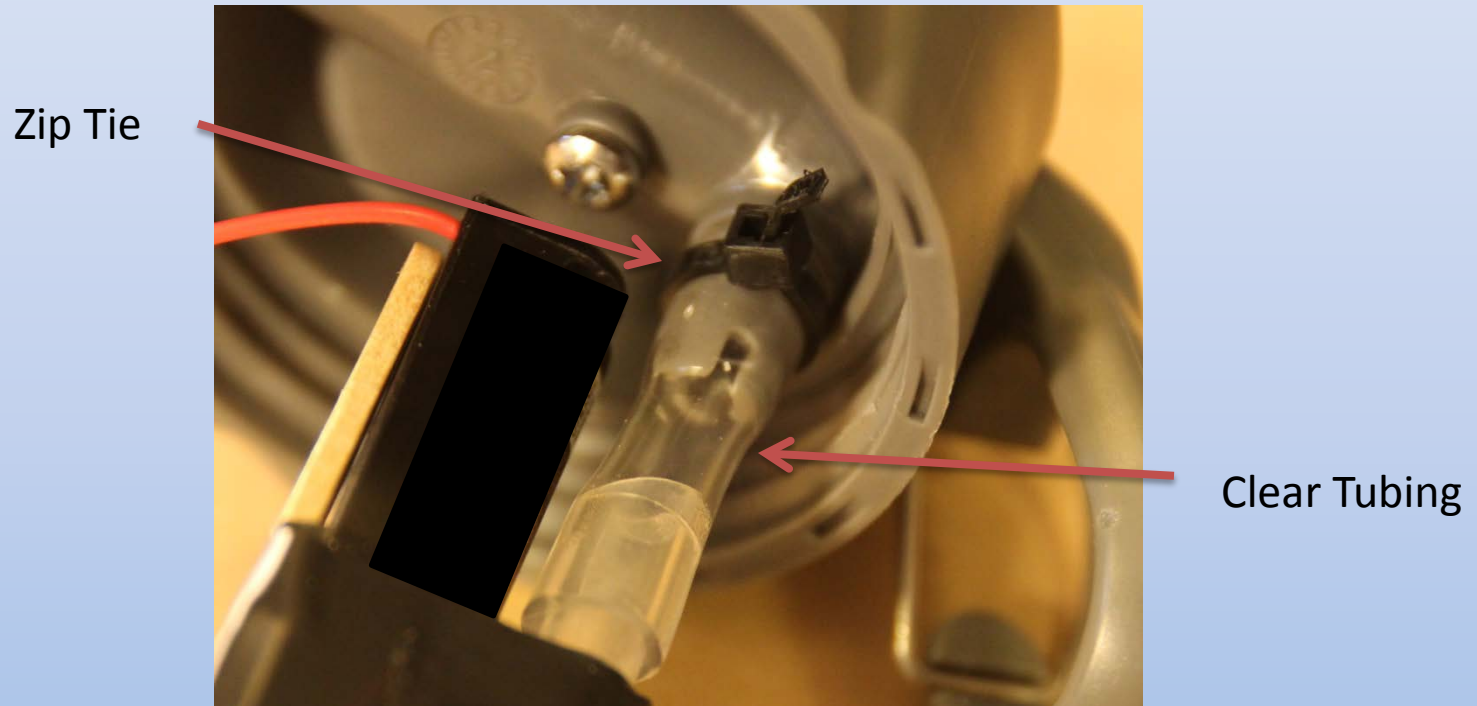
Use tape to attach Popsicle stick in line with extended (tall) flange end of syringe and the syringe tip (1). (The stick should not extend beyond the end of the tip.) Use a twist tie to attached the controller on top of the Popsicle stick in the middle of the syringe (2).

Side View of Popsicle Stick and Controller Secured to Syringe



The Popsicle stick will support the power supply at the tip end of the syringe.

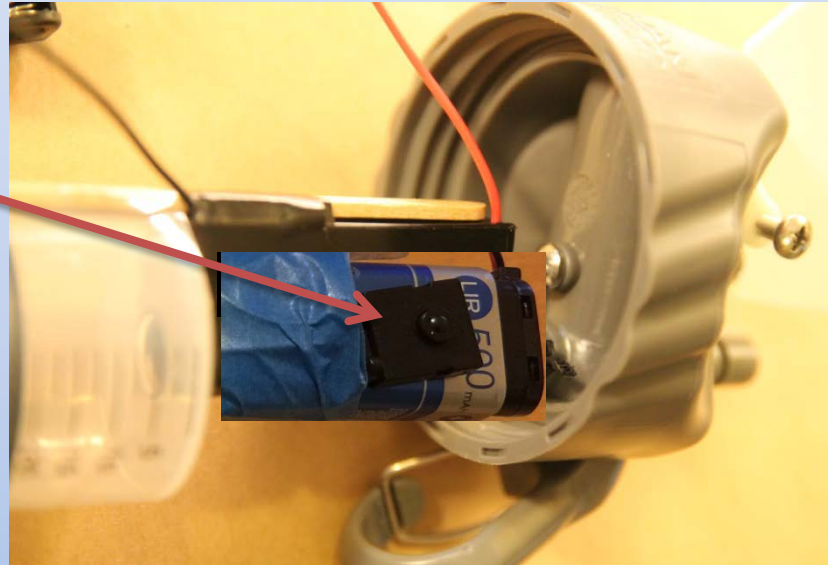
Connect Syringe to Bottle Cap



Use clear tubing to connect the syringe tip to cap's interior nozzle. Secure the connection with a zip tie.

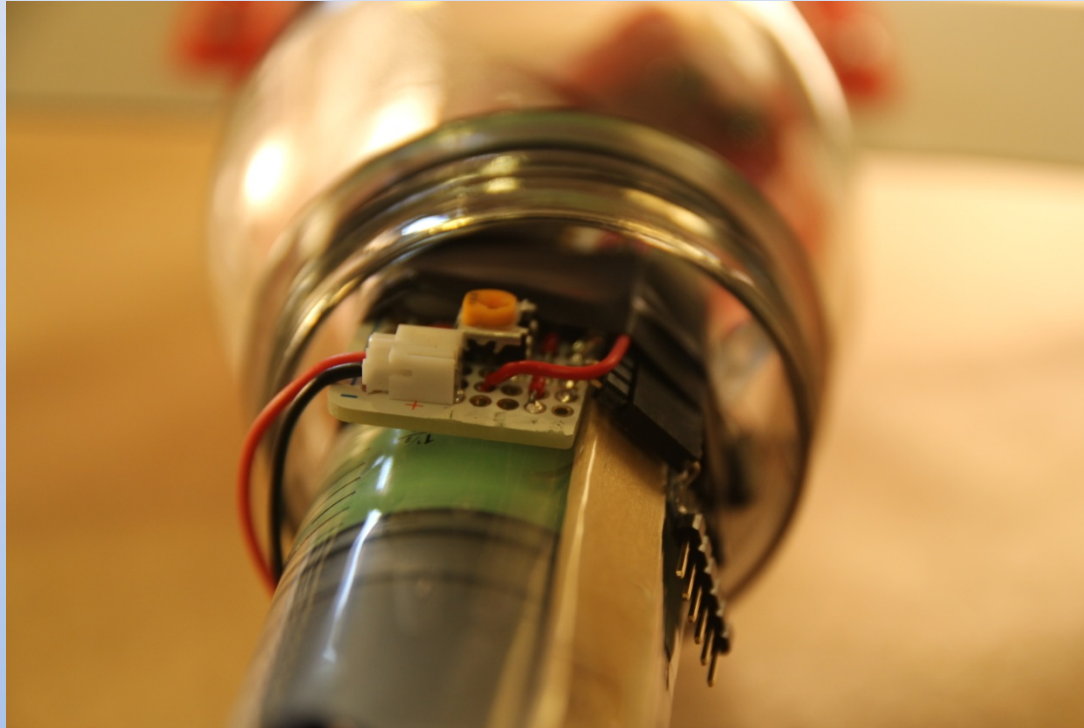
Attach the Battery with Switch

Pushbutton
ON/OFF
Switch



Attach the battery with ON/OFF switch between the Popsicle stick and the syringe tip. Make sure the switch is exposed for easy access and that the threads on the inside of the cap are free of any obstructions.

Test Fit



Test fit the buoyancy engine with controller and power supply through the mouth of bottle.