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UV Sensing

We realized, it's not that easy.

Calculations with nanowaves, voltage, and

location conditions determine UV, BUT



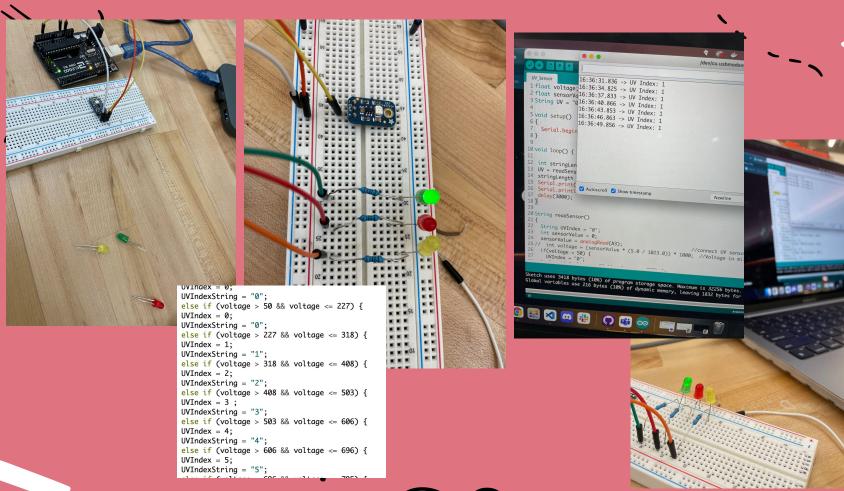
UV Sensing

variables use

7:09ам	5:35рм
chance of rain	нимідітү 42%
wind WNW 12 mph	feels like 50°
precipitation O in	PRESSURE 30.04 inHg
visibility 10 mi	UV INDEX
Weather for Georgia I <u>Open in Maps</u>	nstitute of Technology

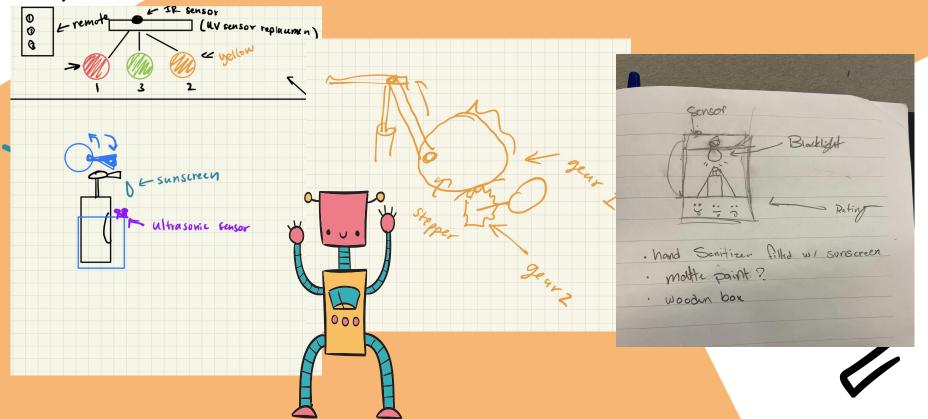
, +

3. A.M.		WHICH IS NOT		
		Contraction of the Contraction o	El ⊙ ■ bmodem14401	• ?
id 13:59:00.766 -> 13:59:31.709 -> 5or 13:59:31.744 -> 13:59:32.709 -> 13:59:32.749 -> 13:59:32.744 -> 13:59:32.744 -> 5or 13:59:33.745 -> 5or 13:59:33.775 -> 5or 13:59:33.775 ->	UV Index = 9,06 sensor reading = sensor voltage = UV Index = 7.80 sensor reading = sensor voltage = UV Index = 7.77 sensor reading = sensor voltage = UV Index = 7.73 sensor reading = sensor voltage =	242.00 0.78 V 241.00 0.78 V 240.00 0.77 V 280.00		
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Serial.print(sensor Serial.println(" V Serial.print("UV Ir Serial.print(sensor Serial.println(""); delay(1000);); hdex = "); •Voltage / .1);	1		
nordine -	11%) of program s	torage space.	Maximum is	32256 by 90 bytes



Initial motor sketches







Motor Problems

Spring/ Push down bottles are ALSO harder than it seems.

Our pulley systems with motors are not strong enough to pump the bottle

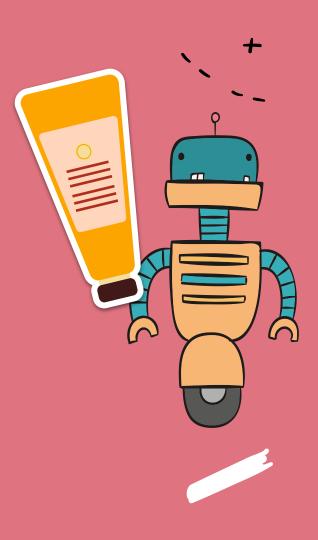
Solution: water pump?

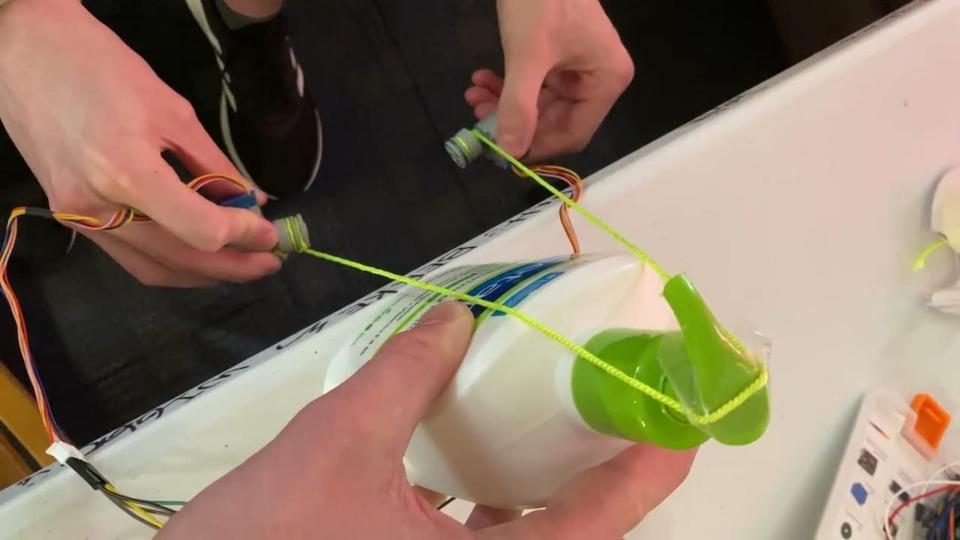




NNA







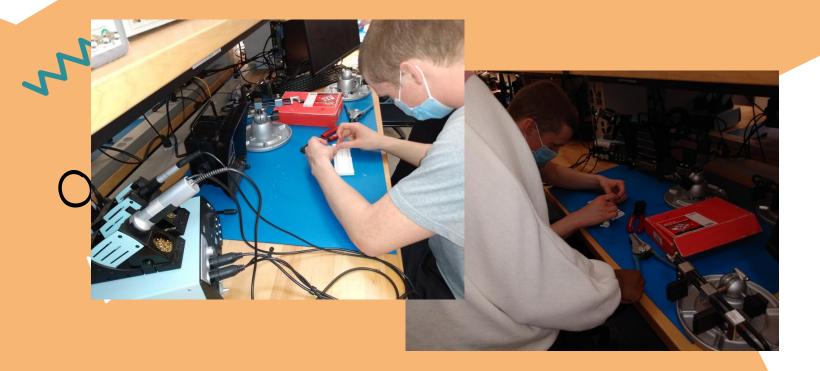


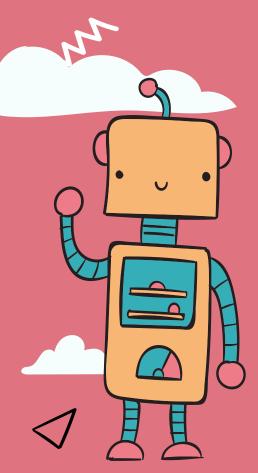
THANK YOU CLARA



Soldering the water pump- we have two models of pumps, but

we are initially starting with Clara's mini water pump





What we still need to do

- Build the UV index LED 'face' instead of LEDs
- See if motor pump works
- Test sunscreen
 - dispensing
- Using ultrasonic sensor