

## Library for Science Cache:

Key	Task
w	Linear Actuator Up
s	Linear Actuator Down
g	Auger Stepper Clockwise
gf	Auger Stepper Anticlockwise
a	Drill Clock
d	Drill Anti
e	Water Pump on
r	Water Pump off
o	peristaltic on
p	peristaltic off
u	Transfer on
i	" off
z	Test Tube Stepper Reset
v	

1 → Enable linear actuator & drill relay

2 → Disable " " "

3 → Enable water Pump and Transfer pump relay

4 → Disable " "

5 → Enable Test tube Pump relay

6 → Disable " "

7 → Auger pos 0 Prepare Sol<sup>n</sup>

8 → " " 1 v - Rotating auger stepper clockwise

9 → " " 2 b - Prepare solution \* fill Test Tube anticlockwise

n - Testing ( ) NPK Test

m - Testing Sensors

k - SHT sensor

Enable 1

LA Down 5

Drill a

Linear actuator up  $\rightarrow \omega$

8

d

~~b  $\rightarrow$  prep sol<sup>n</sup>~~

~~v  $\rightarrow$  fill test tube~~

~~b  $\rightarrow$  Pr~~

v  $\rightarrow$  prep solution

b  $\rightarrow$  fill test tubes

n  $\rightarrow$  nph test.