Parts List:

2Choice Task:

Capacitive touch sensor X2 - (SparkFun, AT42QT1011)

Metal lick spout X2 – (6100K441, McMaster-Carr)

Plastic tubing – (R-3603, Tygon) – discontinued and replaced by E-3603 which is same but does not use DEHP

Wheel – [\\itorg.ad.buffalo.edu\ubfs\research\JSMBS\PHB\skuhlman\data1\UB\_projects2024\Protocols\Behavior\Equipment\_SetUp\wheel](file:///\\itorg.ad.buffalo.edu\ubfs\research\JSMBS\PHB\skuhlman\data1\UB_projects2024\Protocols\Behavior\Equipment_SetUp\wheel) See wheel instructions for full parts list and assembly information

Order info, Pin connectors:

<https://www.mouser.com/ProductDetail/TE-Connectivity/826629-3?qs=AplfTeSvkkA3hKOe%252BWTzDA%3D%3D&mgh=1&gclid=CjwKCAjw-vmkBhBMEiwAlrMeFwyVEUrb9Ne9HQ1WTpxpnMHWprsI9DKh15DWFaAJKUo1o8Nz38VQxRoCs8sQAvD_BwE>

Order info, Jumper wires:

<https://www.mouser.com/ProductDetail/SparkFun/PRT-12796?qs=WyAARYrbSnYazPSZHWXCfQ%3D%3D&mgh=1&gclid=CjwKCAjw-vmkBhBMEiwAlrMeF9DtKZt6mAqAAFwN53jBEEPZh9R822uc0H9eH7Ck8v_rgOIdPDmPNBoCPToQAvD_BwE>

Monitor – (Dell; 30”, 2560×1600 resolution)

Solenoid x2 – (Lee Company; LHDA1233115H)

Water spout holder – Custom 3d printed

Relay x2 – 4411-TS0010D-ND, Digikey

Camera – (Teledyne FLIR, FL3-U3-13E4M-C)

IR light source – (850 nm)

Arduino uno x2 – (A000066, Arduino)

Arduino mega - (A000067, Arduino)

Free Behavior Task:

Capacitive touch sensor X2 - (SparkFun, AT42QT1011)

Metal lick spout – (6100K451, McMaster-Carr)

Metal initiation rod –

Plastic tubing – (R-3603, Tygon)

Monitor – (Dell; 20”, 1600x900 resolution)

Solenoid – (Lee Company; LHDA1233115H)

Relay – 4411-TS0010D-ND, Digikey

Arduino mega - (A000067, Arduino)