**Directions:**

Hand/Forearm:

Download files and modify if necessary.

Start printing the parts.

Once hand is printed, add one rubber band to each joint. Add an extra rubber band to each base joint.

Insert set screws.

Thread fishing line through guides and fingers.

Tie a knot at the tip of each finger and secure with super glue.

Once the forearm is finished printing, assemble components according to picture provided.

Electronic Components:

Download code for Arduino and upload to device.

Assemble according to schematic.

Granular Jamming Pad:

Cut the kitchen glove using the pattern provided.

Glue three sides, leaving ample room to insert the L fitting.

Allow pad to dry.

Cut a small piece of sponge and insert into L fitting.

Poke small hole in one side of the pad where marked on the pattern.

Insert the male end of the L fitting.

Attach nut on inside of the pad. Secure with Loctite if desired.

Fill pad with approximately cups of coarse ground coffee.

Glue the remaining side shut. Allow to dry.

Attach pad to pump and remove air, if pad does not hold vacuum, reinforce glued sides with more Loctite. Repeat until pad is airtight.