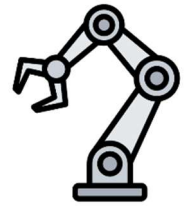


Hydraulic Grabber



Build a hydraulic grabber that will pick up ping pong balls from the left tray and place them in the right tray. You will have 3 minutes to move as many balls as you can. The white ping pong balls are worth one point; green 3 points; and pink 5 points. Once you have started the game, you cannot touch your robot arm; all movement has to be controlled remotely with the syringes.

Your grabber will use syringes and tubing for the hydraulic lines. Fill the lines with water. The arm can be built out any other materials. You can place your robot arm anywhere outside of the playing field.

The team with the most points gets the highest grade. You may have one, two, or three people per group.

Here are several videos that may be helpful:

<https://www.youtube.com/watch?v=uAJWunljyos>

<https://www.youtube.com/watch?v=P2r9U4wkjcc>

<https://www.youtube.com/watch?v=LJDABBAT6o8>