JUDO-BOTS PICK & SORT CHALLENGE



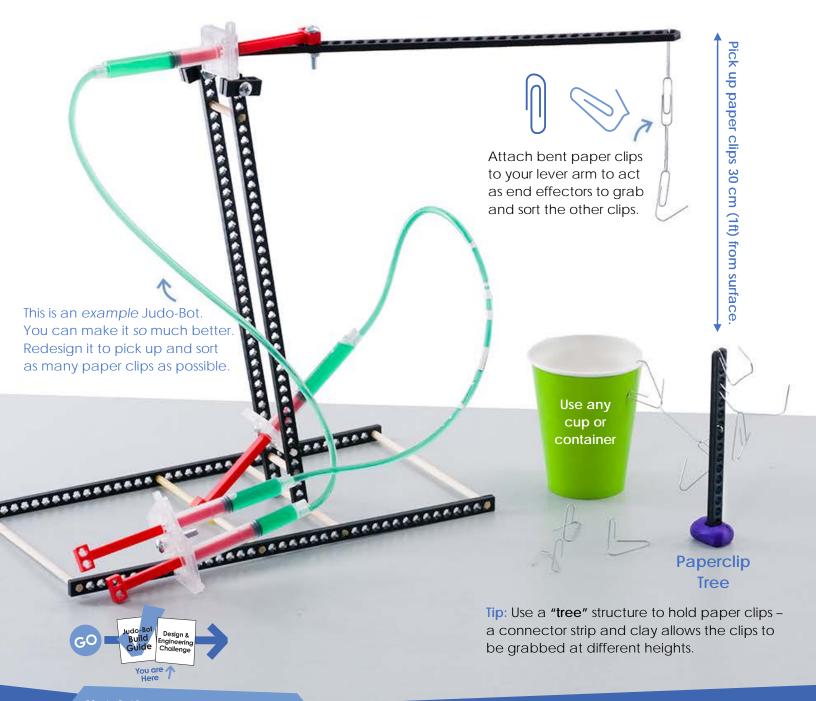
The Challenge: Redesign your Judo-Bot to pick up and sort as many paper clips as possible in two minutes' time.

Difficulty: Easy-Medium

Challenge Supplies

Judo-Bot, 25-50 paper clips, cup or container for sorting, ruler

Time Limit: Two-minutes



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Constraints: (rules and limits for your design)

- Only hydraulic power may be used to move and control the Judo-Bot.
 - o Hydraulic lines may not be pushed or pulled to move the bot just **pistons**.
- The **base** may not be anchored (taped, screwed, bolted) to the challenge surface.
- The end effector should include a paper clip in some way.
- Additional materials should be brought in for Judo-Bot designs, if they are:
 - o TeacherGeek Components
 - o Found & Recycling Bin Materials
 - o Teacher Approved
 - o Non-Hazardous (no sharp edges, harmful chemicals, etc.)
- You will have _

Fill in how much time you have The time from building and re-designing your Judo-Bot

re-designing your Judo-Bot to the start of the competition.

Amount of Paper Clips Picked Up and Sorted, in Two Minutes

Group Name	Design #1	Design #2	Design #3	Design #4	Design #5	Design #6