HEAVY WEIGHT CHALLENGE



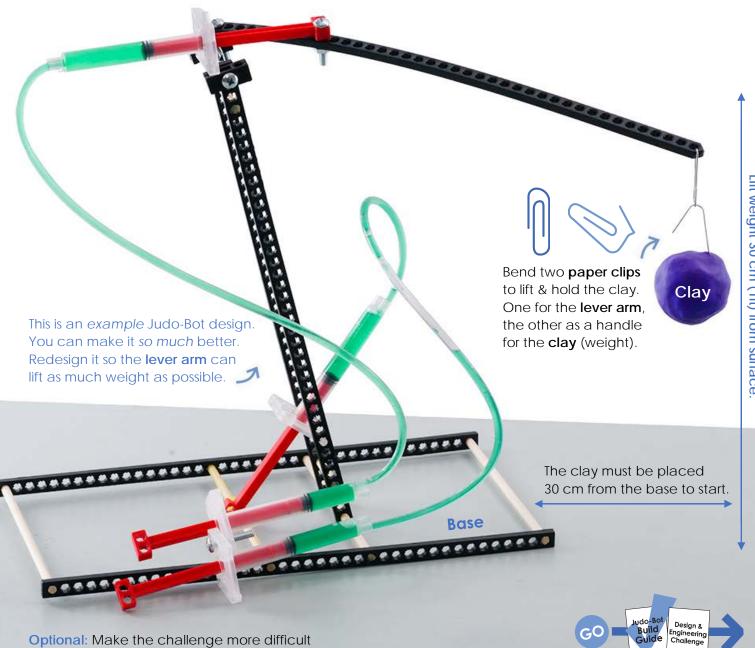
The Challenge: Redesign your Judo-Bot to lift the most weight, as high as possible, without the frame tipping over.

Difficulty: Hard

Challenge Supplies

Judo-Bot, paper clips, 100-500 grams of clay, ruler

Time Limit: Two-minutes



by requiring the bot's base stay in one place.

JUDO-BOTS HEAVY WEIGHT CHALLENGE



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 must be one paper clip, bent however you choose.
- Additional materials should be brought in for Judo-Bot designs, if they are:
 - TeacherGeek Components
 - o Found & Recycling Bin Materials
 - Teacher Approved
 - o Non-Hazardous (no sharp edges, harmful chemicals, etc.)

•	You will have	 	to	cor	mplete	e th	ne	design	challe	nge
				4.4						

Fill in how much time you have



The time from building and re-designing your Judo-Bot to the start of the competition.

