Monster Claws

An air-powered grabbing claw.



SCREEN-FREE | AGES 8 TO 14 | ABOUT 60 MIN | MAKE AND KEEP

WHAT PARTICIPANTS MAKE

A multi-lever cardboard claw driven by two pistons and a tube that opens, closes, picks up, and lets go.

HOW IT WORKS

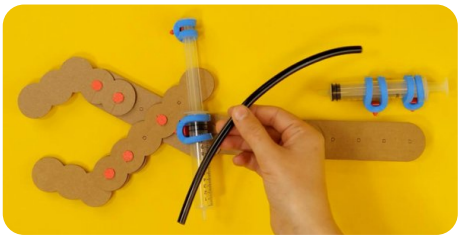
Campers assemble a cardboard claw from six levers, then build a two-piston pneumatic system joined by a tube. Pushing or pulling one handle moves air pressure through the system to work the claw. It is a hands-on look at pneumatics, levers, and troubleshooting, with a natural compare-and-contrast to hydraulics.

CAMPERS EXPLORE

Pneumatics and air pressure; lever systems; force transfer through a closed fluid system; troubleshooting mechanical systems; pneumatics vs. hydraulics







PACK SIZES

PACK	CAMPERS	SKU
Small Group Pack	10	G2 CLAW 010
Class Pack	25	CL CLAW 025

Every camper gets an individual reclosable kit with a printed visual guide. Scissors optional.

Educator video
10:11 min

Educator guide

Standards connections (from the educator guide): NGSS 3-PS2-1, 3-5-ETS1-3, MS-PS3-5, MS-ETS1-2. Common Core RI.3-5.3, W.3-5.2, RST.6-8.3, SL.6-8.1, 3.MD.B.4, 4.OA.C.5, 6.RP.A.1, 8.G.C.9.