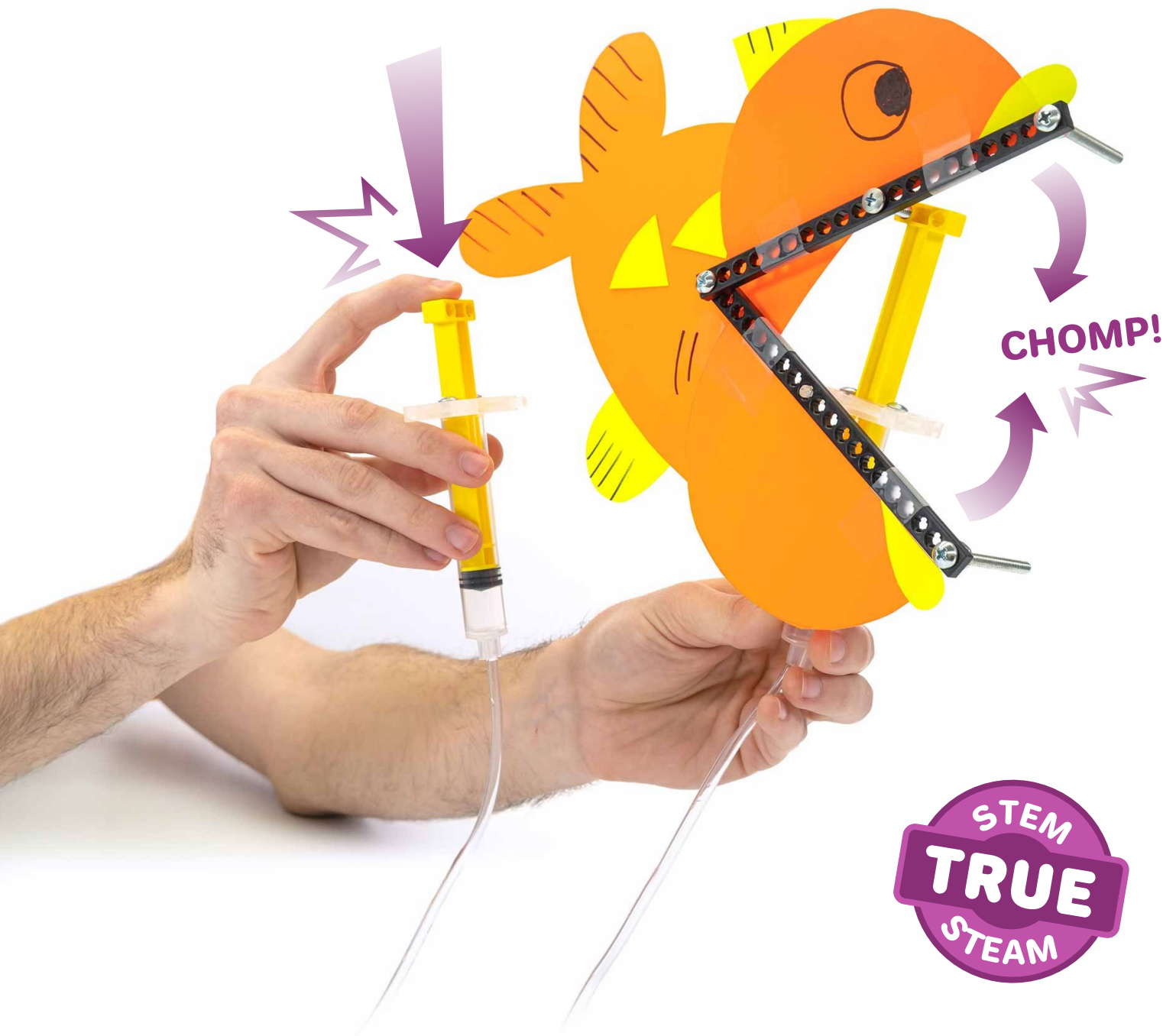


Go Guide Powered Pet



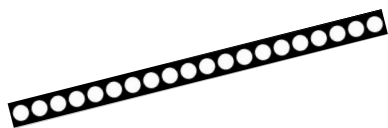
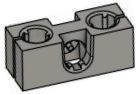



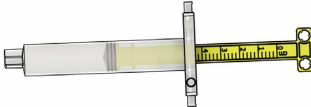

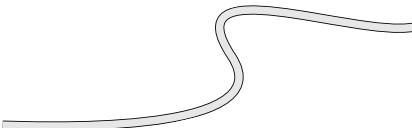

Use the power of air or water to create
your very own animatronic pal!



Supplies

Pet Parts

These are the parts you need to build one pet, plus some extra parts for your own unique designs.

Name	Qty	Picture
Half Strips 15 cm (6 in)	6	
Blocks 38 cm (15 in) SKU 1821-34	2	
Screws 50 mm (2 in) SKU 1821-27	4	
Screws 25 mm (1 in) SKU 1821-22	5	
Nuts #10 SKU 1821-25	5	
Cylinders 14 ml SKU 1821-53	2	
Cylinder Screws SKU 1821-21	6	
Tubing 38 cm (24 in) SKU 1821-51	1	
Wire Section 13 cm (5 in)	4	

Materials You Supply

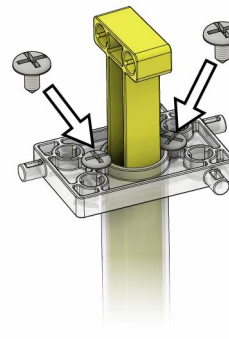
- Scissors
- Container of Water (optional)
- Decorations (optional)
- Recycling Bin Materials to incorporate into your designs



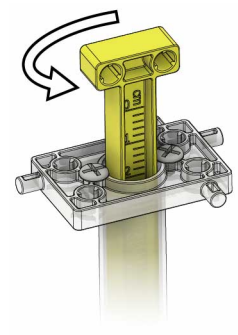
Assemble these before the activity.

An adult may need to help with this step.

Turn the cylinder screws into the holes on top of each cylinder.



Twist the piston as shown.



Assemble Your Cylinders

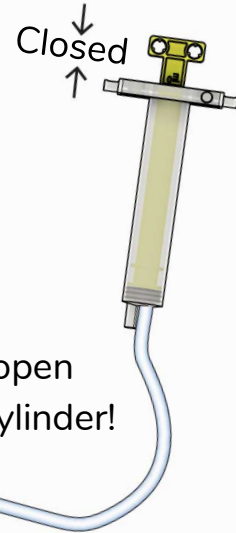
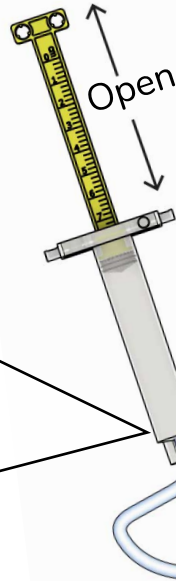
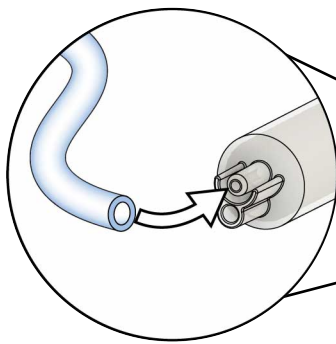
The cylinders will power your remote-controlled pet!

For smoother operation, you can fill your cylinders with water (optional).

Download the [Fill Guide](https://teachergeek.com/pet) at teachergeek.com/pet



- 1 Connect an open cylinder to a closed cylinder with tubing.

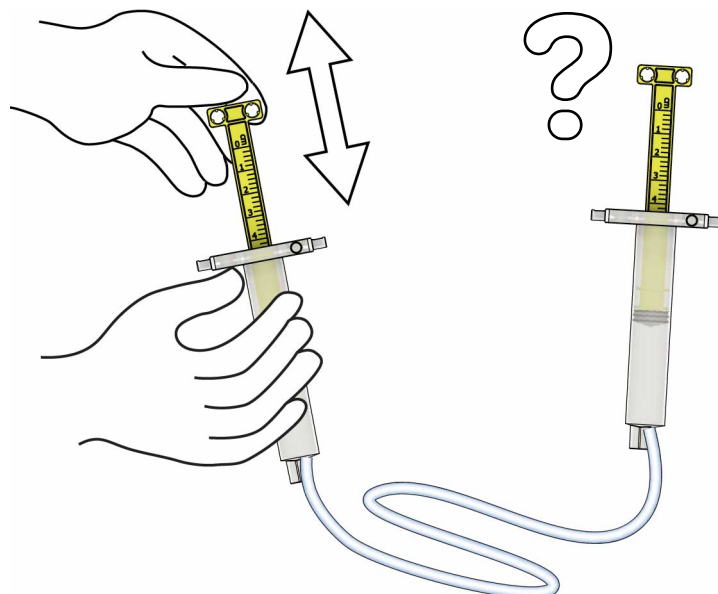


Always use one open and one closed cylinder!

- 2 Test it! What happens when you push and pull on a cylinder?

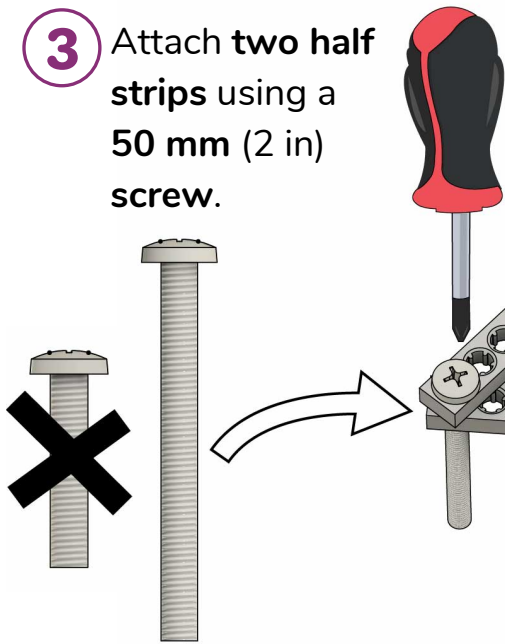
Not Moving?

Gently push & pull on both cylinders to unstick them.

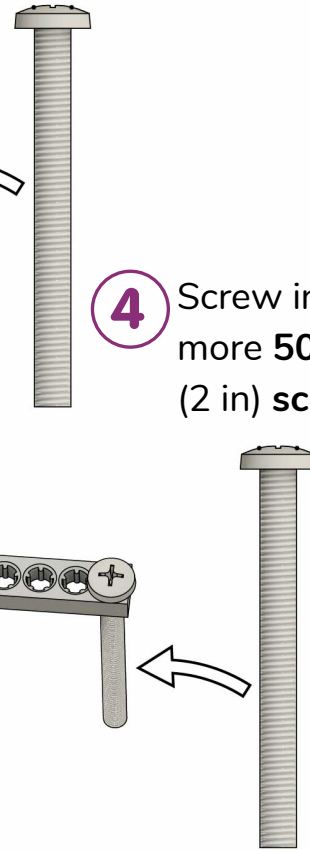


Make a Mouth

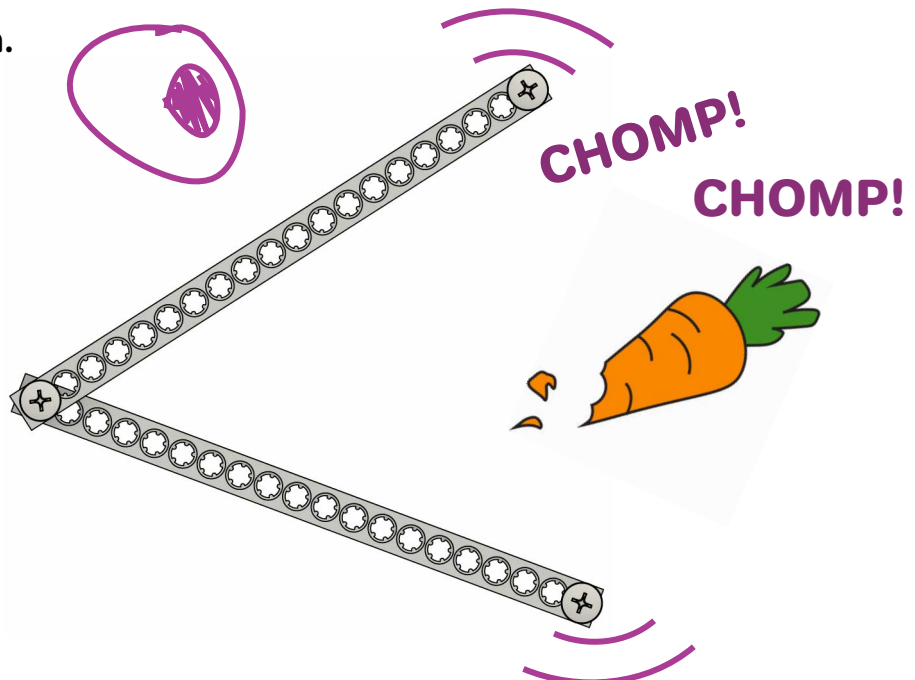
- 3** Attach **two half strips** using a **50 mm (2 in) screw**.



- 4** Screw in two more **50 mm (2 in) screws**.

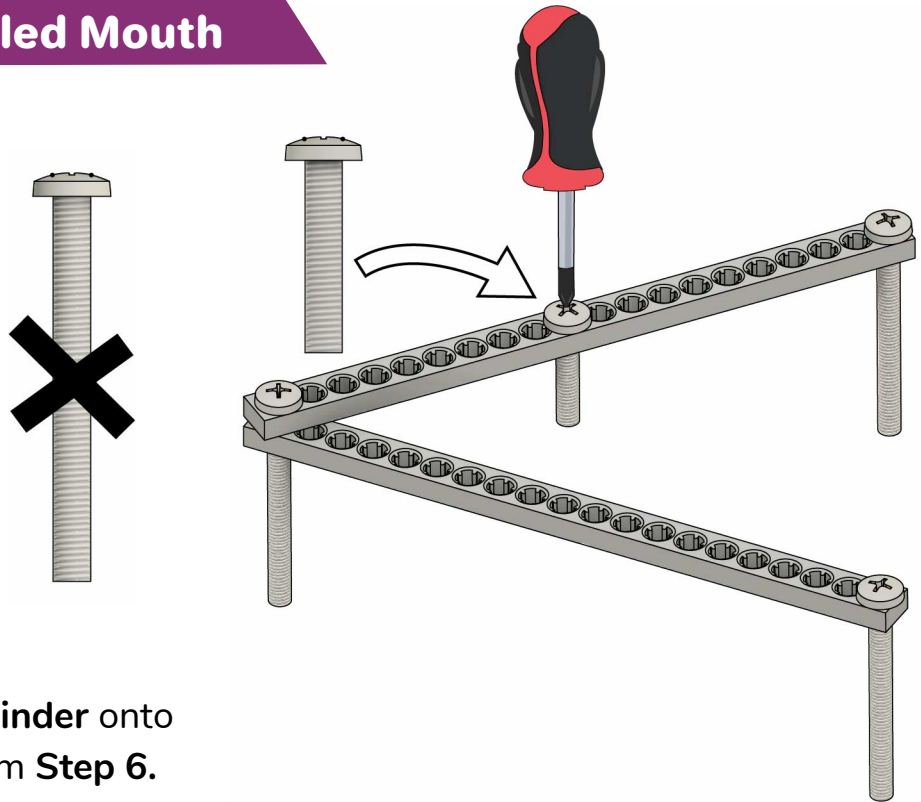


- 5** You just made a mouth.
Make it eat something!

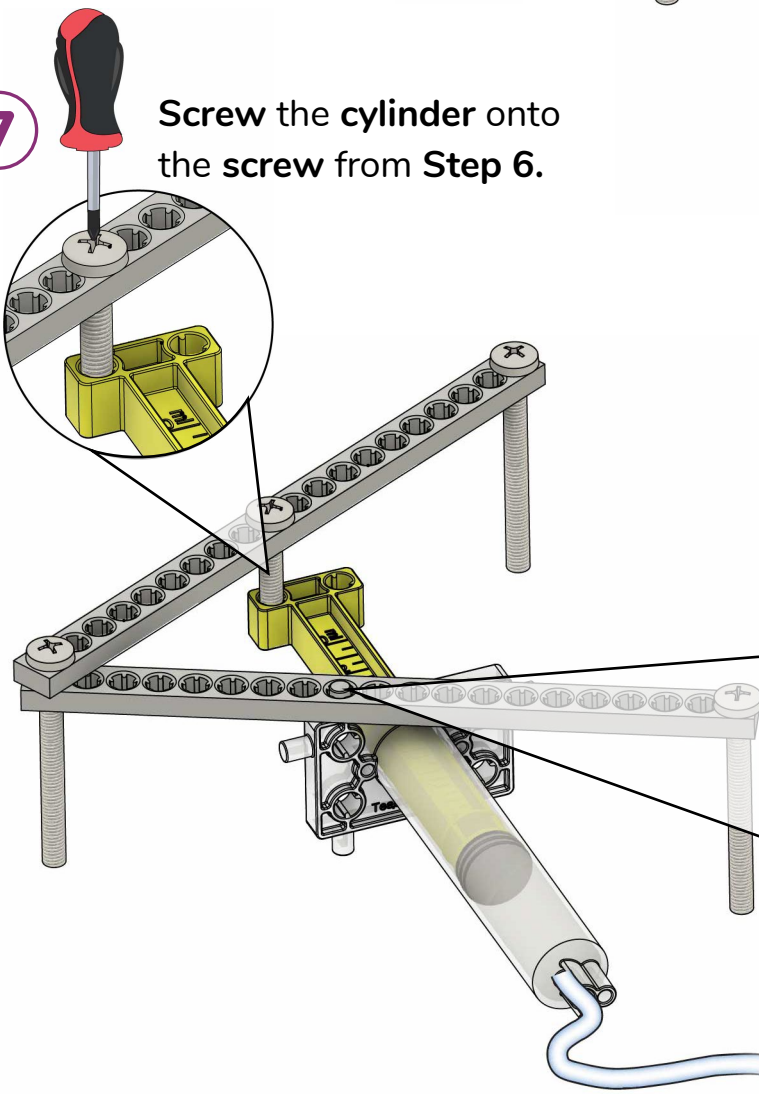


Remote-Controlled Mouth

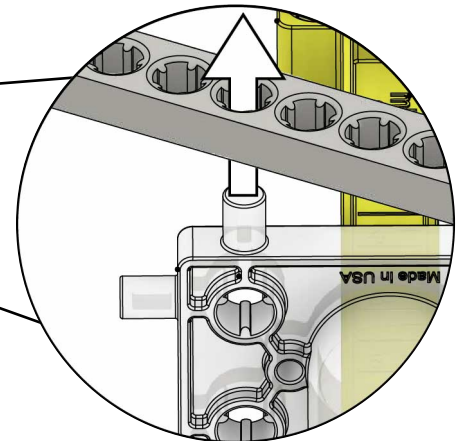
- 6** Turn a 25 mm (1 in) screw into the **half-strip** (near the middle).



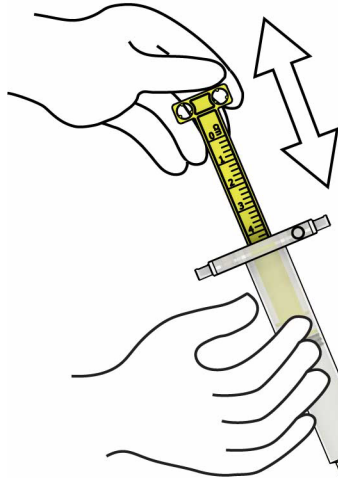
- 7** Screw the **cylinder** onto the screw from Step 6.



- 8** Push the **cylinder pin** into the **half strip**.

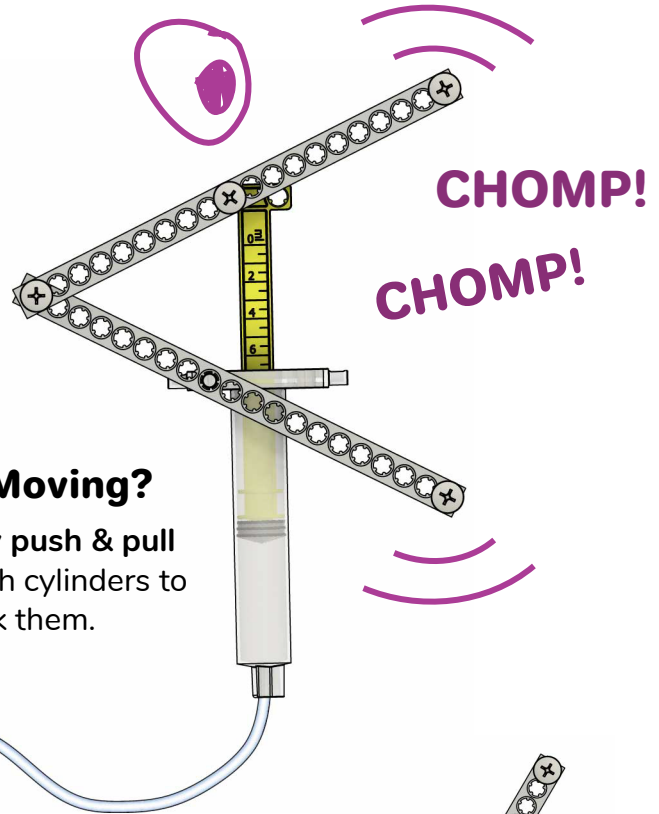


9 Test your remote-controlled mouth!

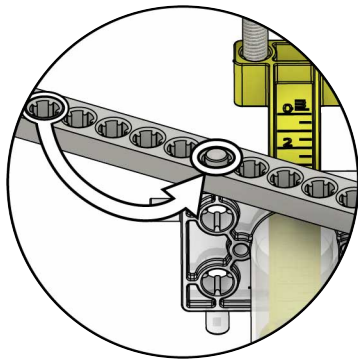


Not Moving?

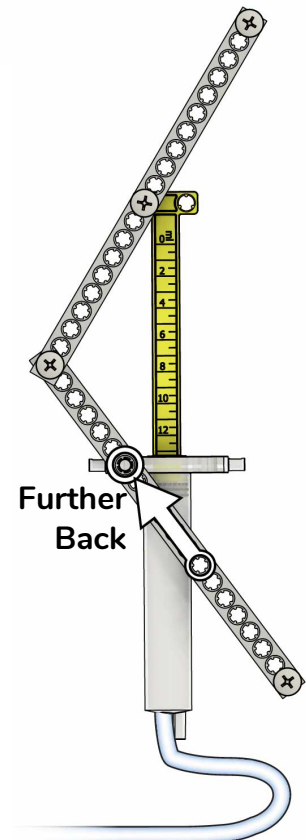
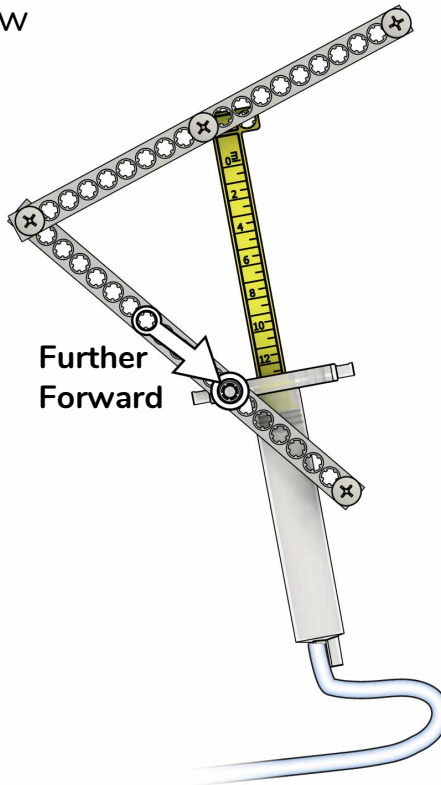
Gently push & pull
on both cylinders to
unstick them.



10 Move the cylinder pin. How does it change how your mouth moves?

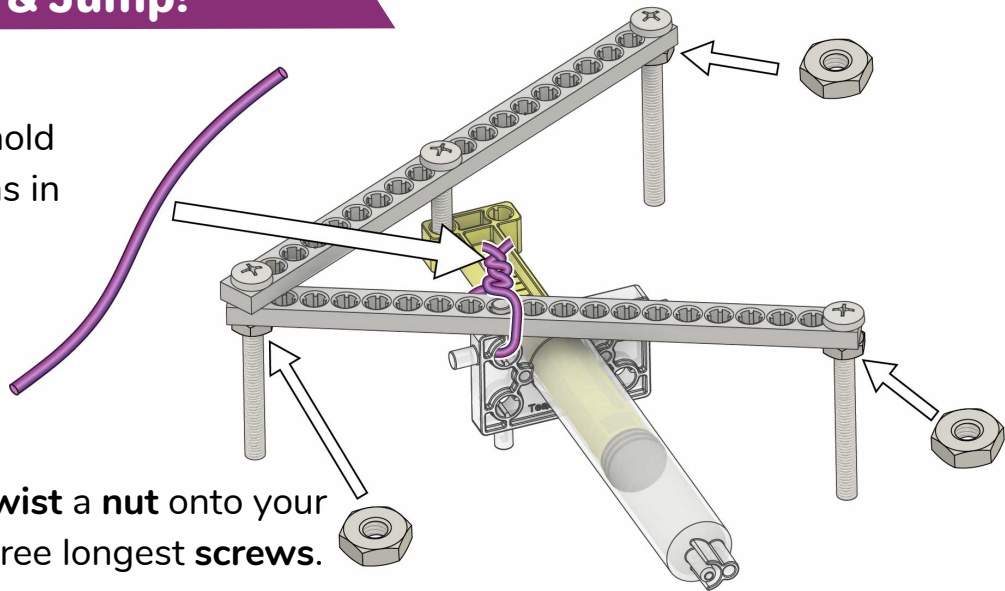


**You can put the pivot
wherever you want!**



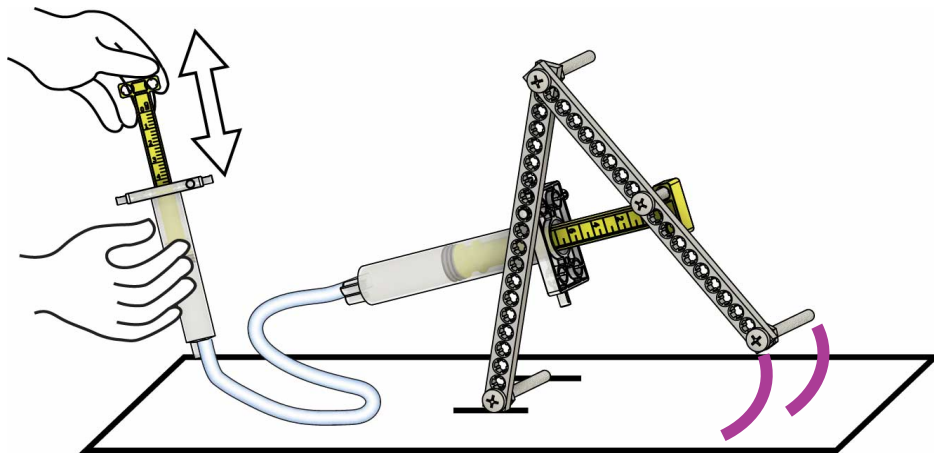
Make It Walk & Jump!

- 11** Twist wire to hold the cylinder pins in the half strips.

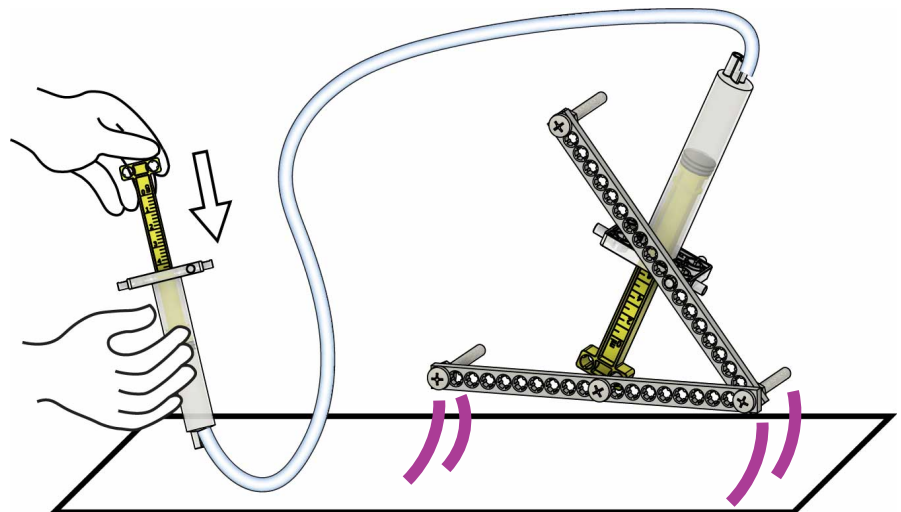


- 12** Twist a nut onto your three longest screws.

- 13** Make it walk!



- 14** Make it jump!

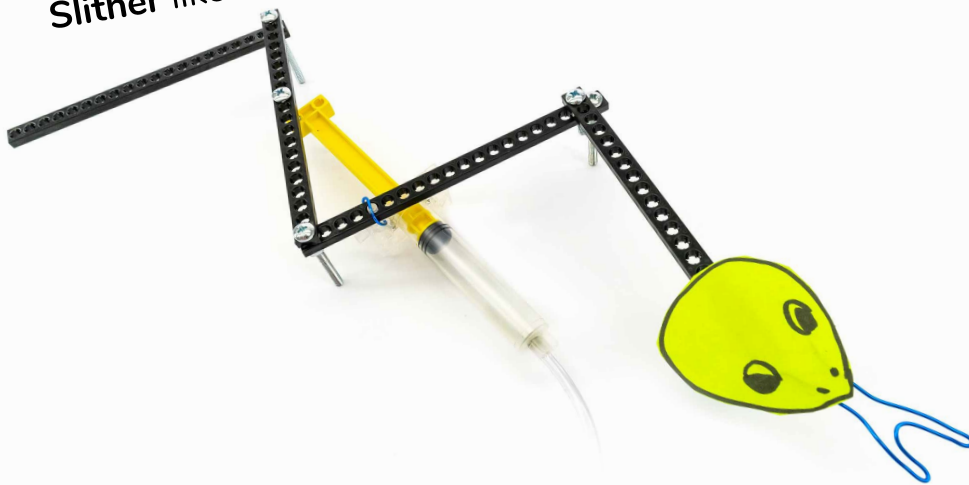


Pet Challenge

Rebuild your pet into as many different animals as you can!

Can you make your pet...

Slither like a Snake?



Walk like a Giraffe?



Fly like a Bird?

