

## **The Challenge**

Head outside for this fun challenge and make a contraption to launch water balloons!

## **What you need**

An open outside space

Helpers

Scissors

Ruler

An old t-shirt that can be cut

Duct tape

Stretchy bands (20 rubber bands or workout bands)

Water balloons

## **Instructions**

1. Cut an 8x10 piece of your old t-shirt.
2. Cover the t-shirt cut out with strips of duct tape to make sturdy.
3. Use scissors to poke a hole on each of the 4 corners of your duct taped shirt and place to the side.
4. If you are using rubber bands, create two 10 band links by looping and knotting the rubber bands one inside the other.
5. Once you have your two 10 band links, create handles for your duct taped piece by feeding one band through the two holes on the right side and the other band through the two holes on the left side. There will be a dangling piece of band on the inside of your contraption, tape that piece down.
6. If you are using stretchy workout bands feed through the holes and tie a tight knot on the ends.
7. Head outside and fill up a few water balloons to test your launcher! One person holds one handle, another holds the other handle and one person pulls back on the duct taped piece where the water balloon will rest. Let go when ready!

8. Make changes where necessary.

### **How far can you send your water balloons?**

Measure the distance from the launch spot to where it lands and report back to us. Upload your video so we can see!

<https://www.youtube.com/watch?v=Sp6Oyjdp6TU>

### **What else can I launch?**

These instructions focus on building a water balloon catapult. But try making a catapult that launches paper rockets, marshmallows or pennies. Check out these links for other ideas.

[Paper Rocket Example](#)

[Marshmallow Catapult](#)

[Catapult](#)