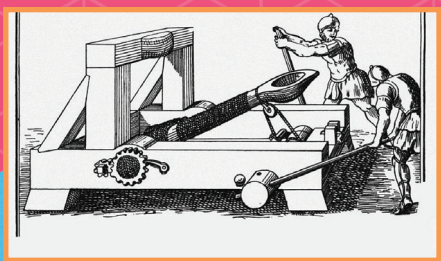




# Learn, make and innovate with SCIENCE WORKSHOP

Packed with 60 creative step-by-step projects

Get ready to make!



Be inspired by famous machine-maker Archimedes and build a working catapult using elastic bands and lolly sticks!

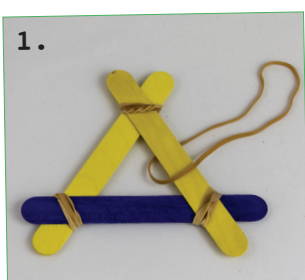


## WHAT YOU NEED

- lolly sticks or craft sticks
- assorted elastic bands
- small wooden or plastic spoon
- a craft knife or scissors
- a small craft foam or cotton wool ball



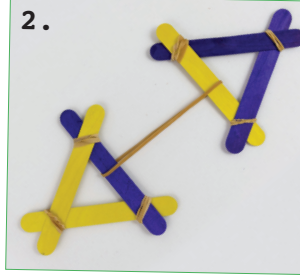
1.



### Step 1.

Use three sticks to make a triangle by wrapping elastic bands around the ends. Before joining up the last corner, thread a strong elastic band threaded onto it.

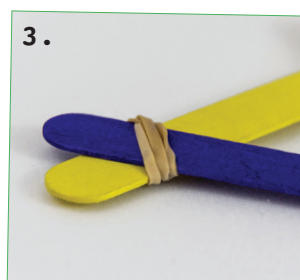
2.



### Step 2.

Make another triangle the same way, with the other end of the strong elastic band threaded onto it.

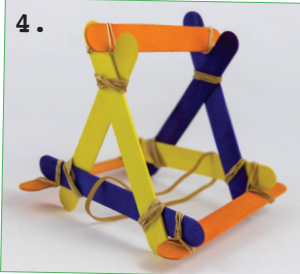
3.



### Step 3.

Roll the elastic bands at the corners down the sticks, so that the ends poke out more.

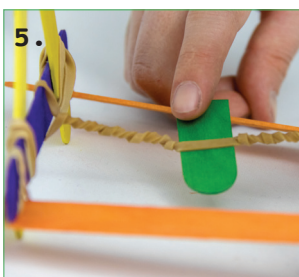
4.



### Step 4.

Use more elastic bands to attach a stick between each of the two triangles at the corners. You should now have a frame made of sticks. Stand it up so that the loose elastic band reaches across the bottom of the frame.

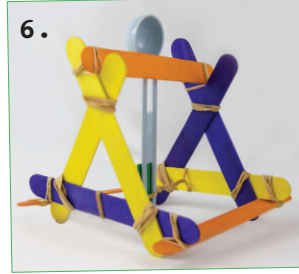
5.



### Step 5.

Ask an adult to cut a short length of craft stick using a craft knife or scissors. Put it inside the loose elastic band, and twist it until the band is tightly twisted up.

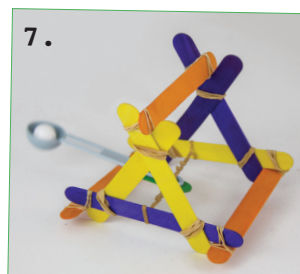
6.



### Step 6.

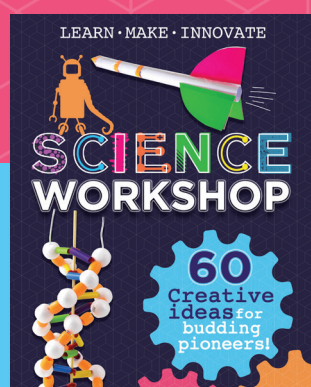
Push the handle of the spoon into the twisted elastic band, on top of the piece of stick, so that it rests against the bar that runs across the top of the frame.

7.



### Step 7.

Holding the frame steady, pull the spoon down, then let it go. It should spring back up. Do this again, with a foam or cotton wool ball in the spoon. Ready, aim, Fire!



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