



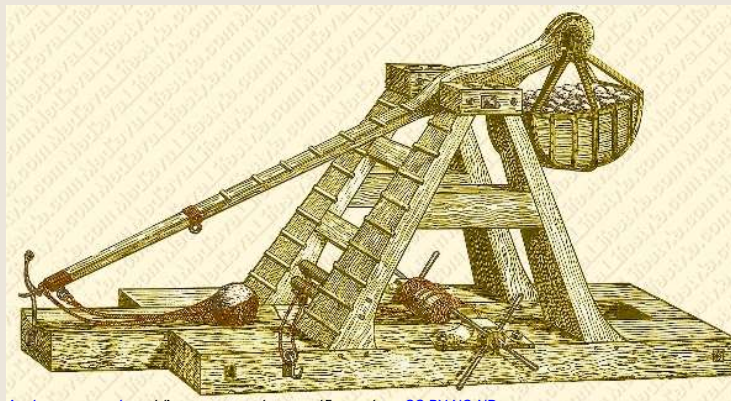
# The Catapult



## An ancient war machine



A catapult is a war machine used since ancient times. Invented in Sicily in 399 (BC)  
How could it have worked;  
Let us know your ideas!



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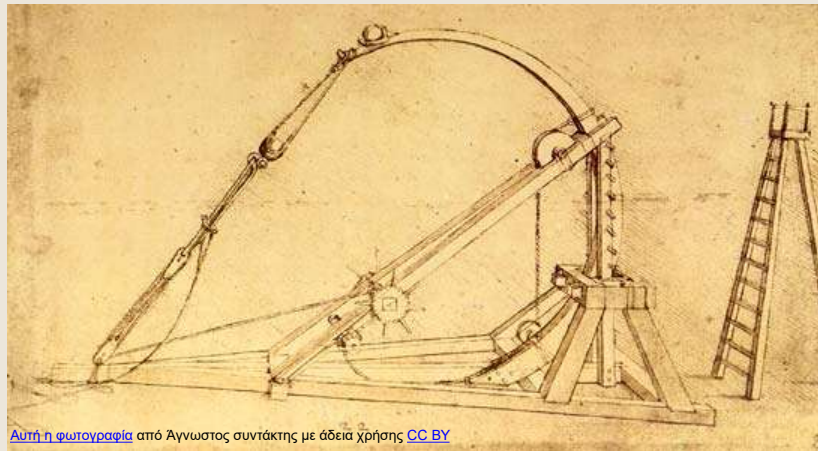
Stones, javelins, and arrows hurl with the catapult. To understand how it works, you will make your own.



# Leonardo Da Vinci's catapult



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Leonardo Da Vinci was among the most outstanding scientists, engineers, and painters of the Middle Ages.



# CONSTRUCTION



## Materials:

- Three rubber bands
- 12 Wooden tongues
- one bottle lid
- Glue (strong)
- Plastic glasses
- Playdough



Photo by [Innovation For Teachers](#)

## Step 1



1. Take a rubber band and join ten (10) wooden tongues around one end.



## Step 2



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2. You place a wooden tongue vertically to the centre of the construction (look at the picture).



## Step 3

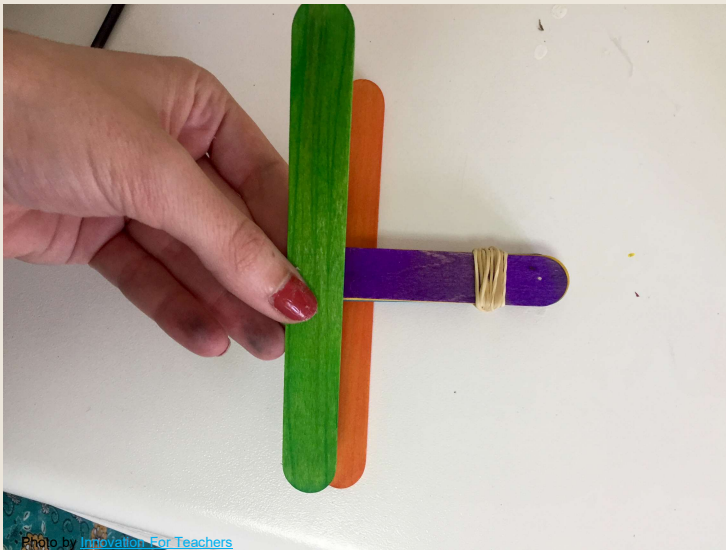


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3. Join the other side of the construction with the rubber band.



## Step 4



4. Place the last wooden tongue crosswise and the rubber bands at the edge of them.





## Step 5



5. Glue your lid.



## Experiment and play



Photo by [Innovation For Teachers](#)

Use play dough to test the launch.

- Who can throw the playdough farthest?

Place a plastic glass in the middle while 3-4 students sit around it.

- Who can drop the playdough into the glass?





# ROBOTONIO

## INNOVATION FOR TEACHERS



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