

# Catapult Instructions.

Using the representations of 2D shapes from last week, we are going to use them to make a 3D triangular prism and convert this into a catapult similar to those the Romans used.



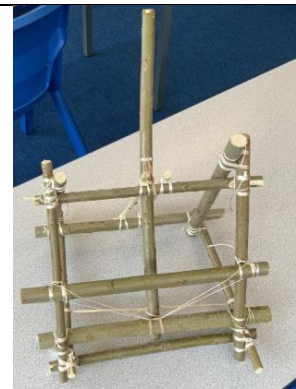
1. Begin by making two identical triangles (or as near identical as you can) using the clove hitch knot and a sheer lashing or a diagonal lashing. See video for ideas.

<https://www.youtube.com/watch?v=Gs9WyrzNjJs>  
<https://www.youtube.com/watch?v=5PQe6FHSTVw>  
[https://www.youtube.com/watch?v=Y\\_iGkv36dww](https://www.youtube.com/watch?v=Y_iGkv36dww)

2. Connect the two triangles together bridging the gap with spars (extra sticks) and tying again using clove hitch and sheer/diagonal lashing knots.



3. Finally attach the catapult arm using a longer stick and attaching at the base and the mid point with elastic or elastic bands. Attach a basket to the end (this could be a plastic spoon or egg box cup) and the catapult will be ready to use.



Fire a small projectile of paper and measure the distance. Repeat this process and let us know how you get on. Larger distances will be rewarded with HP's.

**GOOD LUCK.**

