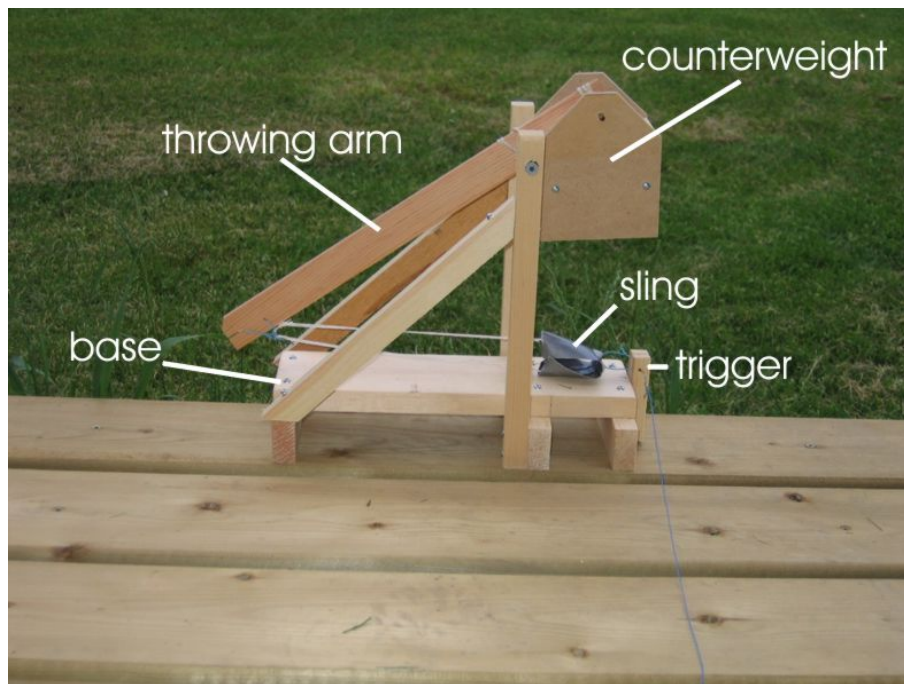


## Building Trebuchets

Trebuchets are siege engines, or old war machines used to hurl any manner of objects when attacking a castle. They were so large that they had to be built in place and often stood over 50 feet high and could hurl object weighing several hundred pounds distances of around 1000 feet.

There are 5 basic parts to a trebuchet, the frame or base, the throwing arm, the counter weight and the sling.



[http://hila.webcentre.ca/projects/trebuchet/trebuchet\\_parts.htm](http://hila.webcentre.ca/projects/trebuchet/trebuchet_parts.htm)

With some experimentation you can work to fine tune and improve the performance of your trebuchet. Can you find out:

- What is the best place for the fulcrum?
- How much weight should I use?
- What is the best length and attachment for the sling?
- What other design elements will throw an object farther?

### Helpful websites

[Stormthecastle.com](http://Stormthecastle.com)

[Atomicshrimp.com/st/content/trebuchet](http://Atomicshrimp.com/st/content/trebuchet)

### Youtube videos

Table Top Trebuchet - <https://www.youtube.com/watch?v=DYskeE0haik>

Warwick Castle Trebuchet - <https://www.youtube.com/watch?v=ApwIGvUjZoE>