



The trebuchet

Group: Juan Suarez, Daniel Pak, Marcos De Los Santos,
Ryland Demegillo, Abraham Gurrola

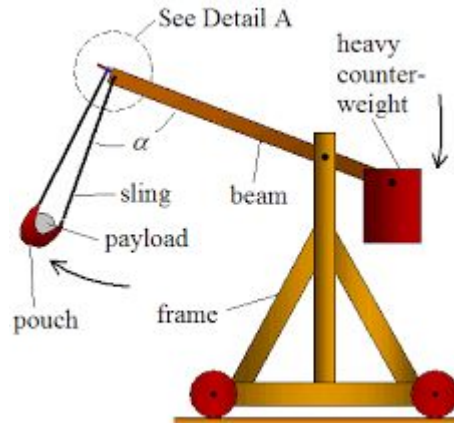
History of the trebuchet

The trebuchet first appeared in fifth century china bce. The trebuchet was originally used for battle purposes in order to launch large projectiles onto enemies during battle. The trebuchet at the time was seemed to be the direct predecessor of the catapult.

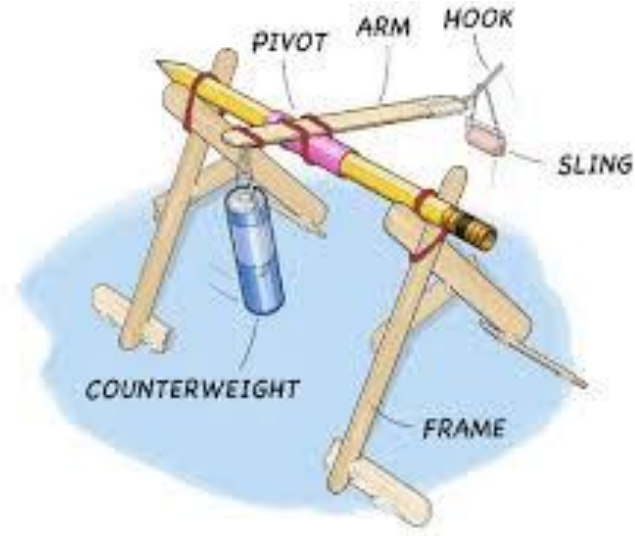


Trebuchet mechanics

A beam is unevenly placed on a raised fulcrum. The end of the longer uneven part had a sling attached to the end to place projectiles to launch. The short end was equipped with a counter weight or ropes to eventually be used to launch the projectile. The counterweight would eventually be released to launch the projectile.



Criteria and constraints



Launch a projectile five feet

Must be launched by one hand

The materials used

- Wooden planks
- Nails
- Screws
- Hot glue
- Rubber bands
- Popsicle sticks
- Cardboard
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Our initial trebuchet



Final prototype

