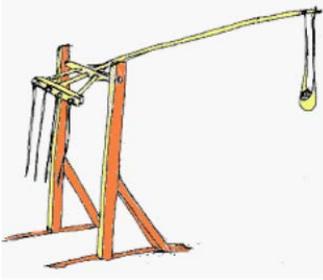


## Trebuchets and Levers

Trebuchets were used to attack castles.

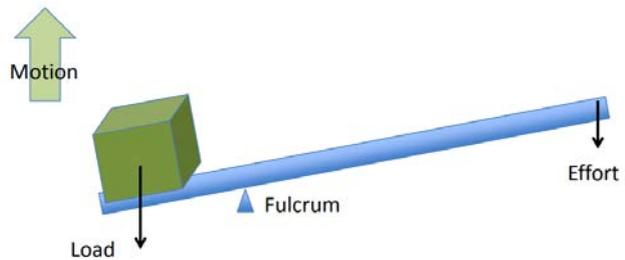
Rocks and heavy objects were thrown at the castle walls to destroy them.



A trebuchet is a **lever**. It uses a **small force** to have a **greater effect** – a small force to throw the heavy rocks.

Try experimenting with a ruler and a small object – a rubber...

You'll need something to be the fulcrum... try a pencil:



Investigate these questions:

- What happens when you move the fulcrum towards or away from the object?
- What happens if the fulcrum is near the end of the ruler?
- What happens when you make the fulcrum higher?
- What happens if you make the lever shorter or longer?

Can you make your own simple trebuchet?