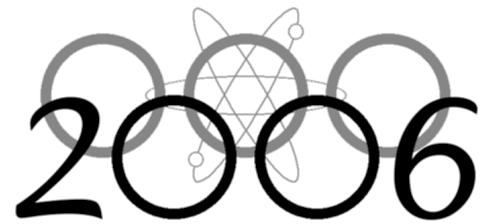


## LIVERPOOL PHYSICS OLYMPICS



# Terrible Trebuchet

**Aim** To throw an object accurately over a set distance using a trebuchet (a medieval siege warfare weapon used to attack the walls of castles).

<b>Materials</b>	1 metre rule	1 C-clamp	1 dowel pin
	1 projectile	1 m string	6 weights
	3 targets	Blu tack	Styrofoam cups
	rubber bands	sticky tape	scissors

**Method**

- Construct a trebuchet that launches the projectile.
- After construction, the scores of 10 shots within a two-minute period will be summed to determine the final score.

**Conditions**

- The trebuchet must be built using only the materials provided.
- The targets must be no less than 1.5 metres and no more than 4 metres from the trebuchet pivot point.
- A score is determined by the first bounce of the projectile.

**Time limit** 15 minutes to construct the trebuchet followed by 10 shots over a two-minute period supervised by the marshals.

**Ranking** The ranking order will be determined by the final score.

**Team**

**Result**

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Do not write below line

**Rank**