



## 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).  |   |   |
|------------|---|---|---|
| Materials  | <ul><li>1 metre rule</li><li>1 projectile</li><li>3 targets</li><li>rubber bands</li></ul>  | <ul><li>1 C-clamp</li><li>1 m string</li><li>Blu tack</li><li>sticky tape</li></ul> | <ul><li>1 dowel pin</li><li>6 weights</li><li>Styrofoam cups</li><li>scissors</li></ul> |
| Method     | <ul> <li>Construct a trebuchet that launches the projectile.</li> <li>After construction, the scores of 10 shots within a two-minute period will be summed to determine the final score.</li> </ul>   |   |   |
| Conditions | <ul> <li>The trebuchet must be built using only the materials provided.</li> <li>The targets must be no less than 1.5 metres and no more than 4 metres from the trebuchet pivot point.</li> <li>A score is determined by the first bounce of the projectile.</li> </ul> |   |   |
| 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  |