

Trebuchet Contest for Troops

Webelos Woods 2026

Goal: Hit a target with a rubber duck.

Scoring: Each team gets a set number of launches and tries to get their projectile as close as possible to a target. Points awarded based on accuracy. The team with the highest points wins the rubber duck trophy!

Design Limitations:

(see drawing on page 2 for trebuchet blueprint)

For more information on design and building tips:

<https://ropesandpoles.blogspot.com/2011/11/knights-trebuchet-simple-quick-scout.html>

- The trebuchet must be human powered. Counterweights and other energy storage means are not allowed.
- The maximum height at the pivot is 5'.
- The trebuchet is built using lashings and no mechanical fasteners are allowed.
- Ammunition is provided and will be soft rubber ducks.
- Trebuchet must be securely anchored to the ground while launching.
(Suggestions: Sandbags, stakes, etc)

Rules:

Construction can begin Saturday after flag is complete, in the designated construction area with adult supervision. The test range will open 1 hour prior to competition start, allowing units to tune/practice with their trebuchets under the supervision of a certified Rangemaster.

No trebuchet or anchoring materials will be provided as part of the competition. It is expected that units will supply their own materials and come prepared.

A Rangemaster will be in charge of the range and no firing with ammo will occur without their approval.

The Rangemaster can request changes be made to any trebuchet to ensure the safety of the range and all equipment being used.

