

Catapult Challenge Rules & Safety Guidelines

Troops are invited to participate in the Catapult Challenge this summer at Camp Bud Schiele. The competition will focus on accuracy, teamwork, engineering, and Scout spirit.

Awards will be presented for:

- Highest Accuracy Score
 - Most Scout Spirit (judged by Camp Commissioner and Camp Director)
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Challenge Overview

Troops will launch projectiles at floating targets positioned approximately:

- 100 feet — 10 points
- 150 feet — 20 points
- 200 feet — 30 points

Each troop will receive:

- 3 total shots

The troop with the highest total score will win the challenge.

Ties are permitted and may result in multiple winning troops.

Firing Location

The firing line will be located behind the blue benches to the left of the amphitheater overlooking the lake.

Only the active firing team may enter the firing area during operation. Spectators and waiting troops must remain in designated areas unless instructed otherwise by Camp Staff.

Safety & Construction Requirements

All catapults must comply with current Scouting America safety guidelines and all directions from Camp Staff and the Range Master. Camp leadership reserves the right to inspect or disqualify any device deemed unsafe.

Permitted Propulsion Methods

Catapults may use:

- Rubber tubing
- Bungee cords
- Scout-powered throwing arms
- Other hand-powered tension systems

Prohibited Propulsion Methods

The following are NOT permitted:

- Trebuchets or counterweight devices
 - Ballistas
 - Hydraulic systems
 - Pneumatic or compressed gas systems
 - Springs or metal coil launch systems
 - Explosive or chemical propulsion systems
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Catapult Specifications

- Maximum height: **5 feet**
 - Maximum base size: **8 feet x 8 feet**
 - Catapults must be stable and safely constructed
 - Catapults must be anchored during operation using sandbags, stakes, weights, or similar stabilization
 - Small transport wheels are permitted but must be removed or locked before firing
 - Catapults must be transportable by hand once on camp property
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Ammunition

Camp staff will provide all ammunition.

Approved ammunition consists only of:

- Yellow-painted racquetballs

No other projectiles may be used.

Projectiles may not be altered, weighted, taped, cut, or modified in any way.

Firing Line Rules

- No more than **4 Scouts** may be on the firing line at one time
 - Eye protection is required for everyone on the firing line
 - No exceptions
 - Troops must provide their own safety glasses
 - No firing may occur until instructed by Camp Staff or the Range Master
 - All participants must follow range commands immediately
 - Horseplay or unsafe conduct will result in disqualification
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Sportsmanship & Conduct

This event is intended to encourage teamwork, creativity, safe operation, and Scout spirit.

Camp leadership reserves the right to stop any launch or remove any team for unsafe behavior or equipment concerns at any time.