

STANDARD OPERATION PROCEDURES

Water Bottle Rocket Range

J. Edward Mack Scout Reservation & Bashore Scout Reservation

For requirements refer to the Boy Scouts of America National Shooting Shorts Manual and Guide to Safe Scouting. Below are additions or clarifications.

Range Opening Inspections:

- All equipment must be inspected daily before use. Any equipment deemed unsafe should be immediately taken out of service and reported to the Camp Ranger.
- Physical range must be inspected daily before use. Any situation deemed unsafe requires the range to be immediately shut down and the range is not to be reopened until the situation is corrected. Any unsafe condition should be immediately documented using a BSA Incident Report Form and be reported to the Camp Ranger and Council Shooting Sports Chair immediately so they can be involved in assessing and correcting the situation.

Minimum Participant Age:

- No person under age 6 is allowed to participate.

Range Supervision

- Water Bottle Rocket ranges must be supervised by a trained and certified BSA Rangemaster aged 18 or older.
- Scouts may help run this activity as long as the Rangemaster supervision requirement is met.

Other Important Information

- A safety zone must be established and clearly marked. A square 25 ft. per side is sufficient with the launcher placed in the center.
- Launchers must be staked down.
- Only 2 liter Soda Bottles are to be used.
- To load launcher place 2 liter bottle down in launcher over pvc stem & put safety pins through launcher base over top of bottle stem. (Safety pins are the U shape pin with pink string attached to them). These safety pins are to be pulled from a distance away from path of rocket to release bottle.
- Only have 1 participant at each launcher at a time everyone else waiting outside the safety zone.

- Participants must wear safety glasses while launching bottle rockets.
- Only use manual pumps/devices-No air compressors!!
- Only pump a maximum of 50 PSI into bottle rockets.
- Participants are to follow instructions from range staff.