

Muzzle Loading Equipment List; For a Host Facility or Traveling Equipment

(Revised 02/2016 Kurt M. Jones Colo)

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Structural Elements/Site:

- Classroom for the total number of participants
- Rifle /pistol range 25/50 yds with backstop
- Wooden Gun Rack for longguns
- Loading tables/notched front
- Roof over firing / loading line
- Lockable storage room
- Projection screen,
- DVD player, Digital projector, flip chart, felt pens
- Caution tape and barriers to block access
- Target stands/targets

Shotgun Accessories:

- Bore swaps
- Bore brush
- "Wonder Wads" or wads/cards (50 count) 12 gauge
- #8 or #9 shot (20# bag)
- Wad puffer
- Range rod for 12 ga.

Pistol Accessories:

- Loading Block/Stand fitted to pistols per two students
- Ball Puller / Starter

Firearms:

- **.50 cal. Muzzle loading rifles in a ratio of 3RH:2LH -- total of one rifle per two learners.**
- 1LH:1RH pistols per 4 learners
- 1LH:2 RH 12 gauge shot guns
- 1LH:1RH flintlock rifles 50 cal.
- 1 in-line 50 cal.

Shared Loading/cleaning/safety equipment:

- 1 rubber backed 18"x18" floor mats per station
- Targets and push pins
- Nylon strap to assist ball pulling
- Brass brushes, scraping tools
- Coffee cans for trash
- Masking tape
- Ear protection
- Eye protection
- Fabric sleeves for flintlock shooters with bare arms
- Kreo oil; Rem oil
- Handy wipes and/or cold running water with soap
- Vent pick
- Brass plyers and brass hammer
- Brass screwdriver set
- Orange surveyors/caution tape
- Silent Ball Discharger

Loading/cleaning equipment

and supplies in a tool box for each loading station to serve pairs of shooter/coach:

- Tin of percussion #11 caps (100)
- Small brass powder flask
- 1 box of .490 round balls
- 1 pkg cleaning patches (100)
- 1 pkg. pre-lube patches (100)
- 1 64 oz spray bottle for cleaning sol
- Powder measure (clear plastic 0-50 grains)
- 3 piece take-down brass range rod (CVA)
- .50 Cleaning jag
- Ball puller jag
- Ball/bullet starter
- Non-metallic hammer
- Percussion capper (tear drop design)
- Tube of bore butter
- Worm/patch remover
- Bore scrappér jag
- Nipple wrench
- Wedge pin remover
- Funnel spouts for Pyrodex containers
- Toothbrushes for cleaning
- Brass Brush for cleaning

Muzzle Loading consumable supplies to replenish loading station kits:

- 1 lb Pyrodex or Triple 7 per 6 learners
- 1 can of FFFg or FFg if available
- Small amount of FFFFg black powder for flintlocks
- Flash Pan charger
- .490 round balls
- #11 percussion caps
- 1000 cleaning patches for .50
- 1000 caps (300 caps for 6 learners is probably sufficient)
- 500 lubed patches
- 32 oz Murphy's Oil soap
- 32 oz 50% or 91% alcohol
- Stapler and staples
- Natural Lube/Bore Butter

Misc:

Spare flints, Nappers, Brass scrapers/picks/brushes, 8 C clamps, back up notched board, 1/16 in drill bits (4), Range rule porters, 3 ring notebooks for lesson plans