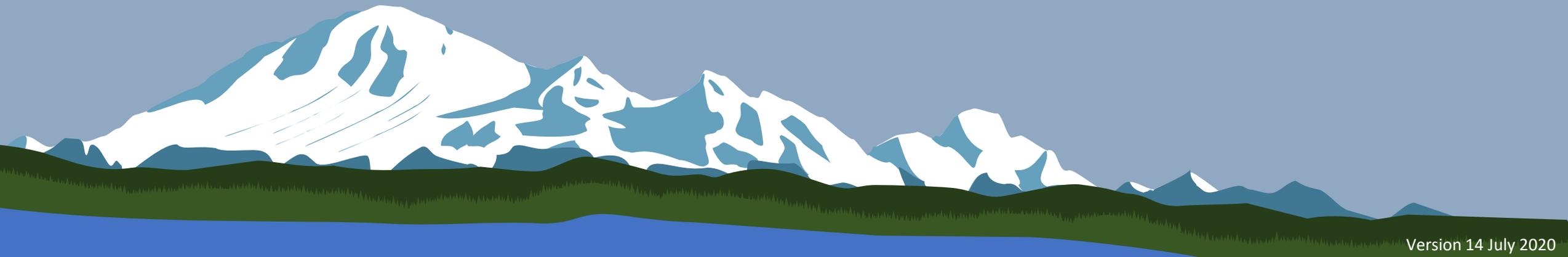
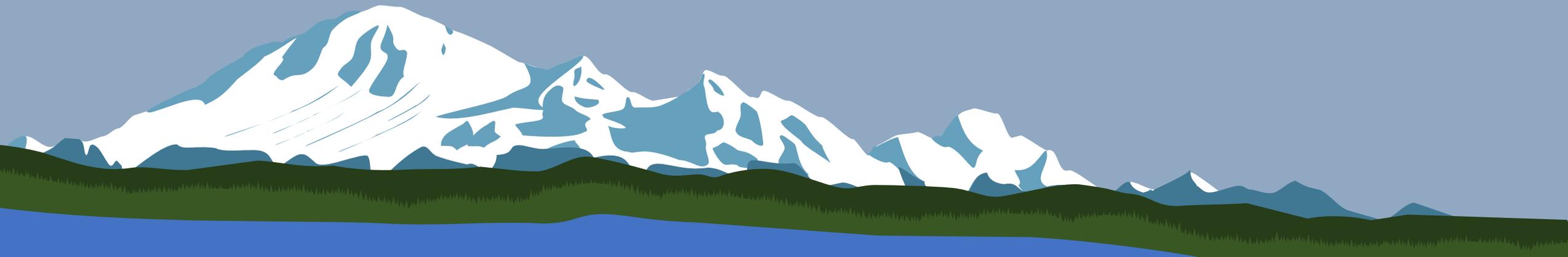


Shotgun Shooting Merit Badge



Index

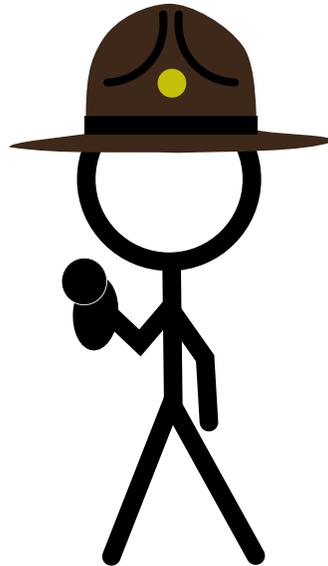
1. [Merit Badge Requirements](#)
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3. [Safety](#)
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Disclaimer

This PowerPoint slideshow was designed to be used to prepare scouts for the Shotgun Shooting Merit Badge and nothing more.

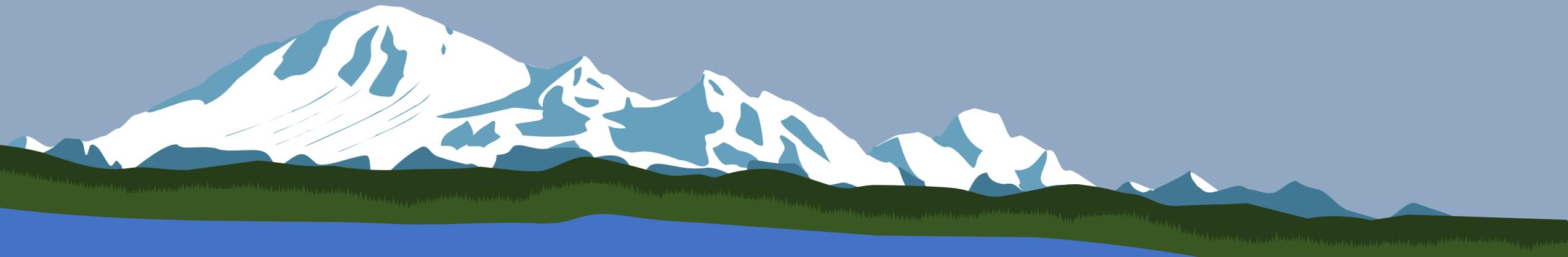
This slideshow is NOT intended to be used as a shotgun or other firearm reference.

Proceed at your own risk and may god have mercy on your soul.

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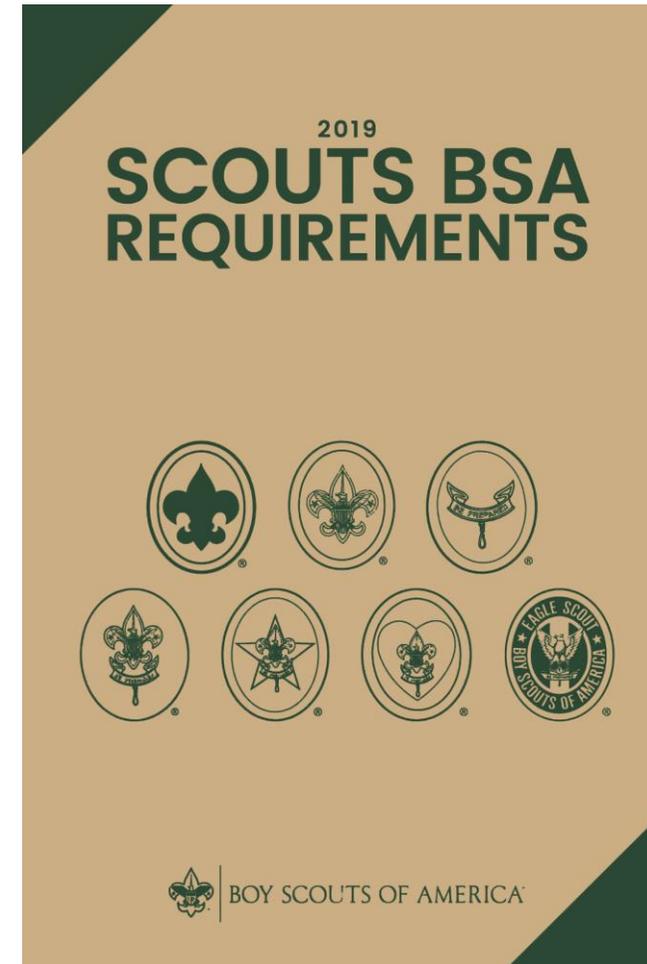
Merit Badge Requirements



Requirements

Requirements

- Merit Badge requirements are taken from:
2019 Scouts BSA™ Requirements Book



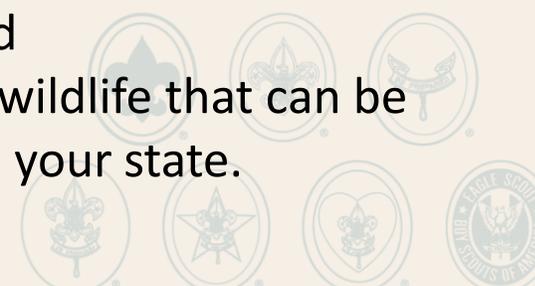
Requirements

Requirements

1. Do the following:

- a. Explain why BB and pellet air guns must always be treated with the same respect as firearms.
- b. Describe how you would react if a friend visiting your home asked to see your or your family's firearm(s).
- c. Explain the need for and use and types of eye and hearing protection.
- d. Explain the main points of the laws for owning and using guns in your community and state.
- e. Explain how hunting is related to the wise use of renewable wildlife resources.
- f. Successfully complete a state hunter education course, or obtain a copy of the hunting laws for your state, then do the following.
 - 1) Explain the main points of hunting laws in your state and give any special laws on the use of guns and ammunition, and
 - 2) List the kinds of wildlife that can be legally hunted in your state.

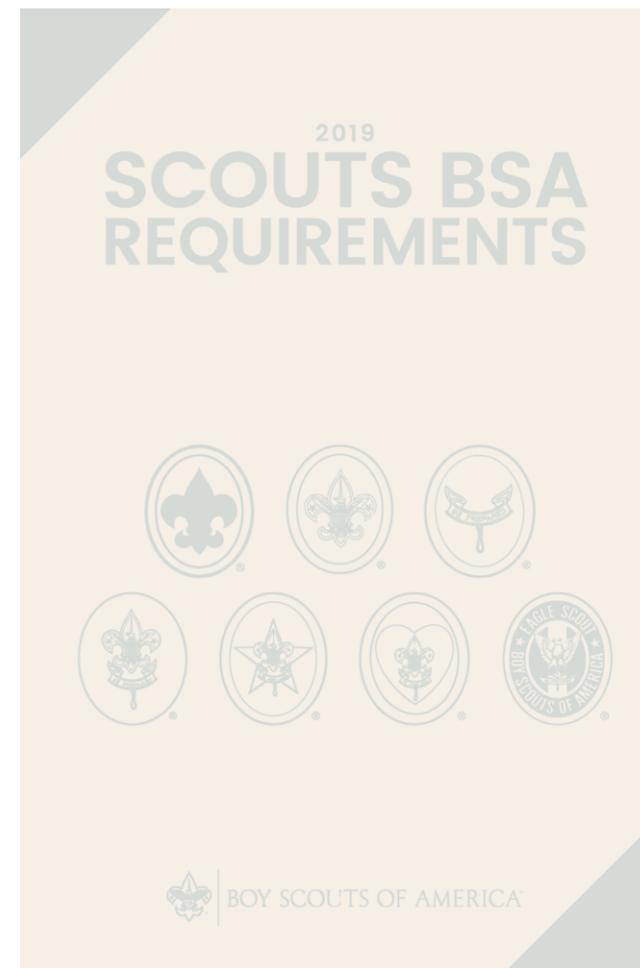
SCOUTS BSA
REQUIREMENTS



Requirements

Requirements

1. Do the following:
 - g. Explain to your counselor the proper hygienic guidelines used in shooting.
 - h. Identify and explain three shotgun sports. Identify places in your community where you could shoot these sports and explain how you can join or be a part of shooting sports activities.
 - i. Give your counselor a list of sources that you could contact for information on firearms and their use.



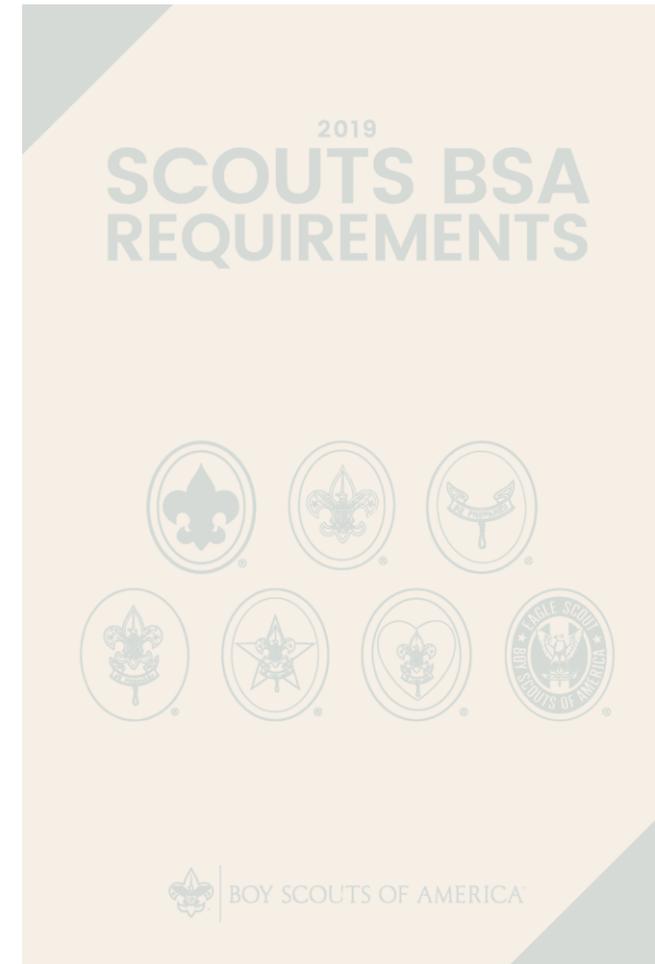
Requirements

Requirements

2. Do ONE of the following options:

Option A—SHOTGUN SHOOTING (Modern Shotshell Type)

Option B—MUZZLELOADING SHOTGUN SHOOTING



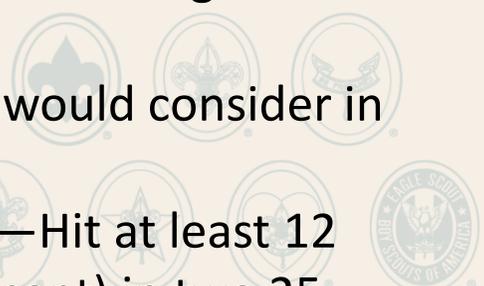
Requirements

Requirements

2. Do ONE of the following options: **Option A—SHOTGUN SHOOTING (Modern Shotshell Type)**

- a. Identify the principal parts of a shotgun, action types, and how they function.
- b. Identify and demonstrate the rules for safely handling a shotgun.
- c. Identify the parts of a shotgun shell and their functions.
- d. Identify the various gauges of shotguns. Explain which one you would pick for use and why.
- e. Identify and explain the fundamentals of safely shooting a shotgun. Explain what a misfire, hangfire, and squib fire are, and explain the procedures to follow in response to each.
- f. Identify and explain each rule for safely shooting a shotgun.
- g. Demonstrate the knowledge, skills, and attitude necessary to safely shoot moving targets, using the fundamentals of shotgun shooting.
- h. Identify the materials needed to clean a shotgun.
- i. Demonstrate how to clean a shotgun properly and safely.
- j. Discuss what points you would consider in selecting a shotgun.
- k. Shooting score required—Hit at least 12 out of 25 targets (48 percent) in two 25-target groups. The two groups need not be shot in consecutive order. A minimum of 50 shots must be fired.

2019
SCOUTS BSA
REQUIREMENTS



Requirements

Requirements

2. Do ONE of the following options: **Option A—SHOTGUN SHOOTING (Modern Shotshell Type)**

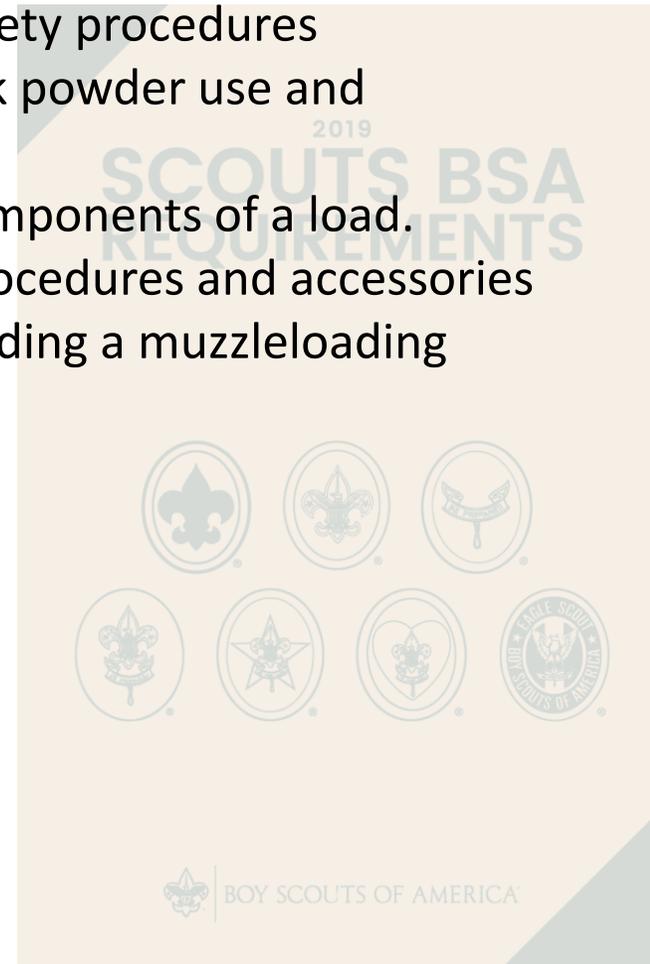
Shooting skill rules:

- Targets may be thrown by a hand trap, manual mechanical trap, or on any trap or skeet field. Note: If using a hand trap or manual mechanical trap, the trap operator should be at least 5 feet to the right and 3 feet to the rear of the shooter. If throwing left-handed with a hand trap, the trap operator should be at least 5 feet to the left and 3 feet to the rear of the shooter.
- All targets should be thrown at a reasonable speed and in the same direction.
- Targets should be generally thrown so as to climb in the air after leaving the trap.
- Scores may be fired at any time, either in formal competition or in practice.
- Any gauge shotgun not exceeding 12 gauge may be used.
- Only commercially manufactured ammunition may be used. Reloads may not be used in BSA shooting sports programs.
- Shooters must shoot in rounds of 25. Rounds need not be shot continuously or on the same day (the term “round” refers to a single series of 25 shots).
- If using a trap field, shoot station 3 with traps set to throw straightaway targets.
- If using a skeet field, shoot station 7 low house.

Requirements

Requirements

2. Do ONE of the following options: **Option B—MUZZLELOADING SHOTGUN SHOOTING**
- a. a. Discuss a brief history of the development of the muzzleloading shotgun.
 - b. Identify principal parts of percussion and flintlock shotguns and discuss how they function.
 - c. Demonstrate and explain the rules of safely handling a muzzleloading shotgun.
 - d. Identify the various grades of black powder and their proper and safe use.
 - e. Discuss proper safety procedures pertaining to black powder use and storage.
 - f. Discuss proper components of a load.
 - g. Identify proper procedures and accessories used for safely loading a muzzleloading shotgun.

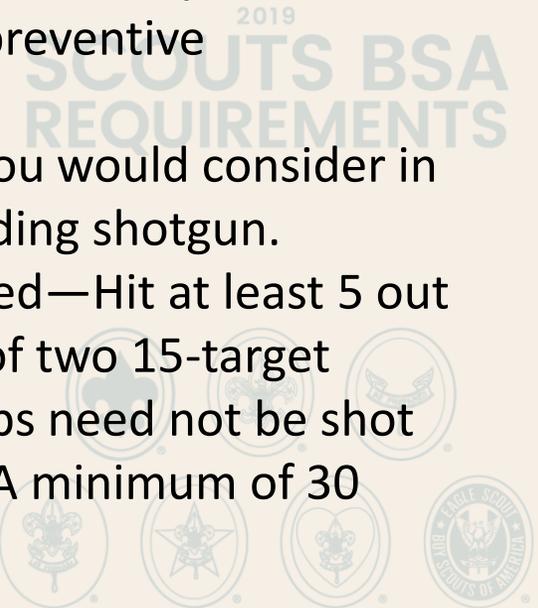


Requirements

Requirements

2. Do ONE of the following options: **Option B—MUZZLELOADING SHOTGUN SHOOTING**

- h. Demonstrate the knowledge, skills, and attitude necessary to safely shoot a muzzleloading shotgun on a range, including range procedures. Explain what a misfire, hangfire, and squibfire are, and explain the procedures to follow in response to each.
- i. Shoot a moving target with a muzzleloading shotgun using the five fundamentals of firing the shot.
- j. Identify the materials needed to clean a muzzleloading shotgun properly and safely.
- k. Demonstrate how to clean to clear a muzzleloading shotgun's failure to fire and explain or demonstrate proper correction procedures.
- l. Identify the causes of a muzzleloading shotgun's failure to fire and explain or demonstrate proper preventive procedures.
- m. Discuss what points you would consider in selecting a muzzleloading shotgun.
- n. Shooting score required—Hit at least 5 out of 15 targets in each of two 15-target groups. The two groups need not be shot in consecutive order. A minimum of 30 shots must be fired.



Requirements

Requirements

2. Do ONE of the following options: **Option B—MUZZLELOADING SHOTGUN SHOOTING**

Shooting skill rules:

- Targets may be thrown by a hand trap, manual mechanical trap, or on any trap or skeet field. Note: If using a hand trap or manual mechanical trap, the trap operator should be at least 5 feet to the right and 3 feet to the rear of the shooter. If throwing left-handed with a hand trap, the trap operator should be at least 5 feet to the left and 3 feet to the rear of the shooter.
- All targets should be thrown at a reasonable speed and in the same direction.
- Targets should be generally thrown so as to climb in the air after leaving the trap.
- Scores may be fired at any time, either in formal competition or in practice.
- Any gauge shotgun not exceeding 10 gauge may be used.
- Standard clay targets customarily used for trap and skeet are to be used.
- On a standard trap field, the shooter should be positioned 8 yards behind the trap house. The trap should be set to throw only straightaway targets.
- On a skeet field, use station 7 low house.

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Shotgun Shooting Merit Badge

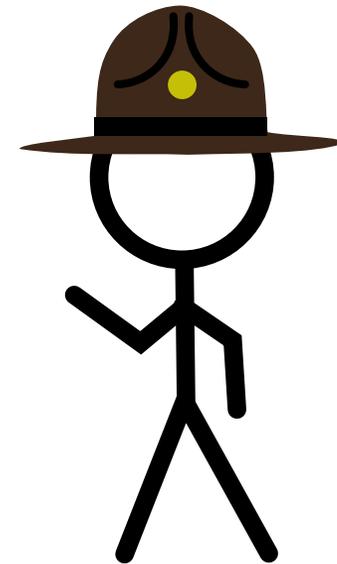
Intro



Merit Badge Intro

Instructor Introduction

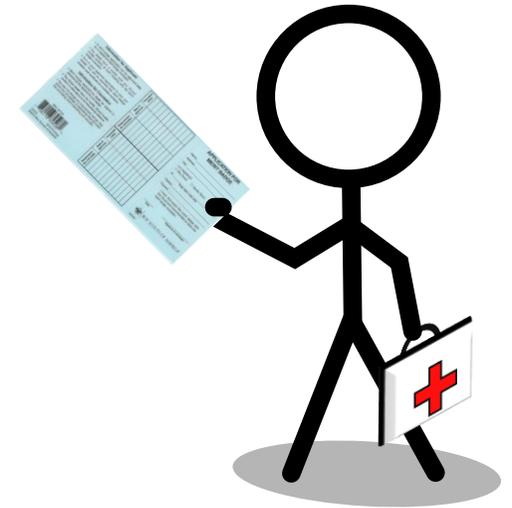
- NRA Basic Shotgun Instructor
(Required by BSA to be a Shotgun Shooting Counselors)



Merit Badge Intro

Needed for Course

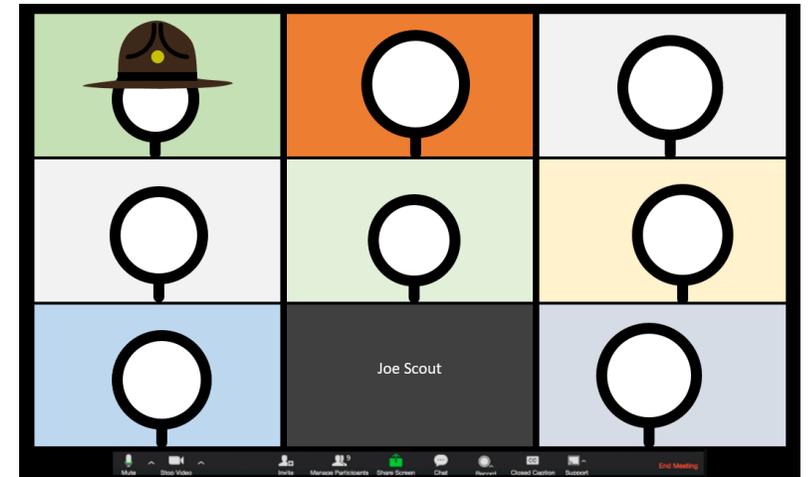
- Merit Badge Blue Card filled out and signed by your Scoutmaster
 - or other virtual agreement
- Merit Badge Pamphlet
- Scout Uniform
- A positive Scouting focus and attitude



Merit Badge Intro

Virtual Meetings

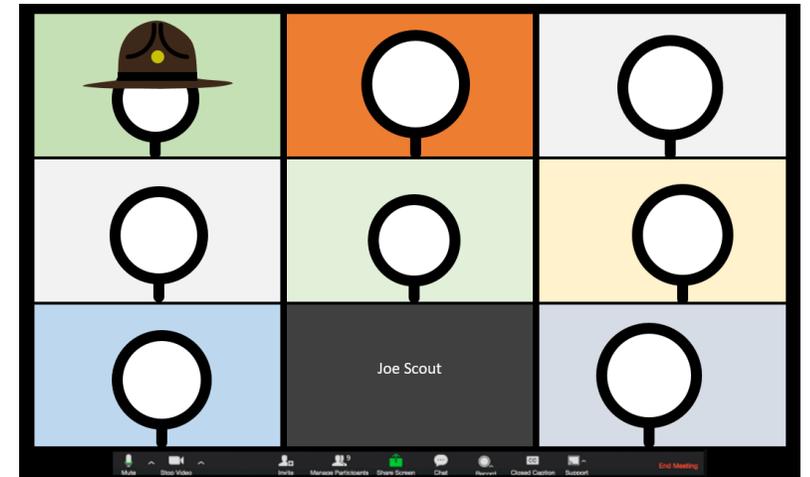
- Use your **REAL Name** and **Troop Number** if you want credit
This is how we take attendance
- MUTE yourself unless speaking to the group
- Please turn your video on so we can see you
- No Chat SPAMMING
- If you need to go pee, go
- If something isn't working, please let us know!



Merit Badge Intro

Virtual Meetings

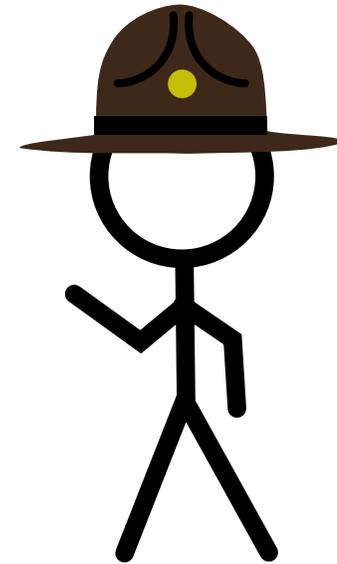
- We can't do ALL the requirements virtually
- Option A – Partial Completion
- Option B – Completion – need proof
- Please send completed homework **AFTER** the final class
- Tell us who we should CC about completion



Merit Badge Intro

Course Overview

- We will cover most of the requirements for this Merit Badge in class
- We need proof that you completed these requirements
 - Please turn in a completed [worksheet](#) if possible
This makes is easier on the counselor
 - If you can't complete a [worksheet](#), please contact your councilor for alternatives



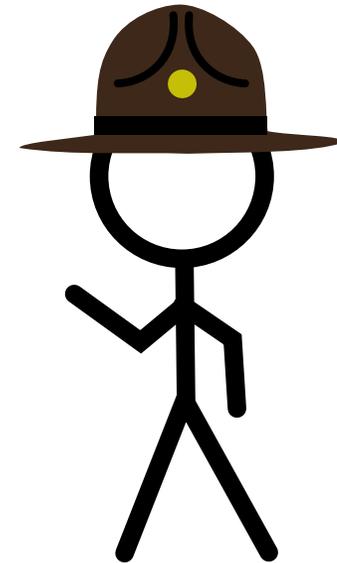
Merit Badge Intro

Course Overview

- Some of the requirements obviously can't be completed in class
 - Proof of completion can be submitted later

or

- Ask for a partial completion Blue Card after you turn in your completed work



Merit Badge Intro

Merit Badge Requirement Checklist - State Laws

- 1d – Local Gun Laws
- 1f – Hunting Laws



- Turn in complete [worksheet](#)
If you can't do a worksheet – contact counselor

Merit Badge Intro

Safety

The following requirements **MUST** be completed with supervision from a **PROPERLY TRAINED ADULT**

Merit Badge Intro

Merit Badge Requirement Checklist - Option A - Modern

- 2Ab** - Demonstrate the rules for safely handling a shotgun
- 2Ag** - Demonstrate the knowledge, skills, and attitude necessary to safely shoot moving targets, using the fundamentals of shotgun shooting.
- 2Ai** - Demonstrate how to clean a shotgun
- 2Ak** - Shooting score required

- Turn in complete [worksheet](#)

If you can't do a worksheet – contact counselor



Merit Badge Intro

Merit Badge Requirement Checklist - Option B - Muzzleloading Shotgun

Currently, Option B will not be covered in class



Merit Badge Intro

**NO AMMUNITION
in the classroom**

NO EXCEPTIONS!

Merit Badge Intro

Class Objective

- Earn Shotgun Shooting Merit Badge?
 - YES

 - and

 - NO

Merit Badge Intro

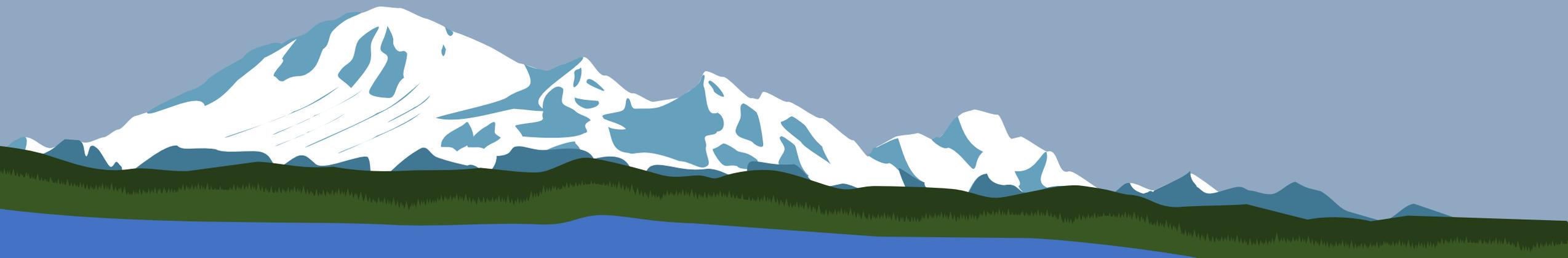
Class Objective

- Primary Objective
 - Teach Scouts the **Knowledge, Skills and Attitude (KSA)** necessary to safely handle a firearm by participation in a formal shotgun shooting curriculum.

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Shotgun Shooting Merit Badge Safety



Safety

Requirement 2Ab – Fundamental Rules of Safety

b. Identify and demonstrate the rules for safely handling a shotgun.

Safety

Requirement 2Ab – Fundamental Rules of Safety

b. Identify and demonstrate the rules for safely handling a shotgun.

NRA Gun Safety Rules

- **ALWAYS** keep your gun pointed in a safe direction
- **ALWAYS** keep your finger off the trigger until ready to shoot
- **ALWAYS** keep your gun unloaded until ready to use

Safety

NRA Gun Safety Rules

- **ALWAYS** keep your gun pointed in a safe direction

Safety

NRA Gun Safety Rules

- **ALWAYS** keep your finger off the trigger until ready to shoot

Safety

NRA Gun Safety Rules

- **ALWAYS** keep your gun unloaded until ready to use

Safety

Requirement 2Af – Rules of Safe Shooting

f. Identify and explain each rule for safely shooting a shotgun.

Safety

Requirement 2Af – Rules of Safe Shooting

- **ALWAYS** keep your gun pointed in a safe direction
- **ALWAYS** keep your finger off the trigger until ready to shoot
- **ALWAYS** keep your gun unloaded until ready to use
- Know your target and what is beyond it
- Know how to use your gun safely
- Be sure the gun is safe to shoot
- Use only the correct ammunition for your gun
- Wear hearing and eye protection
- Never use alcohol or drugs before or when shooting
- Store guns so they are not accessible to unauthorized persons

Safety

Reasons for Firearm Accidents

- What are the two main reason for firearm accidents?
 - **Ignorance**
 - Not knowing how to safely operate a firearm
 - **Carelessness**
 - Knowing how to be safe, but not doing it

Safety

Safety is Everyone's Responsibility

Safety

Requirement 1a – General Gun Safety

a. Explain why BB and pellet air guns must always be treated with the same respect as firearms.

Safety

Requirement 1a – General Gun Safety

- Why should we treat BB Guns and Air Rifles the same as a firearm?
 - All guns should be treated with respect and always handled as if they were loaded
 - BBs can ricochet back at shooter and instructors
 - They are still dangerous – about 30,000 ER visits per year
 - They can still cause serious or fatal injuries (4 deaths per year)

Safety

Requirement 1a – General Gun Safety

- What about “toy” guns with orange muzzles?

CZ-75 (Real)



TAURUS 9mm (Real)



AK – 47 (Real)



AK – 47 (Real)

Safety

Requirement 1b – Visiting Friends

b. Describe how you would react if a friend visiting your home asked to see your or your family's firearm(s).

Safety

Requirement 1b – Visiting Friends

- What if your friend comes over and wants to see you or your family's guns?
 - Explain that you are not allowed to get guns out without your parents around
 - Explain that they are locked up and you do not have access
 - Whatever you tell them, do not get guns out until your parents and their parents have given permission to do so

Safety

Requirement 1c – Eye and Hearing Protection

c. Explain the need for and use and types of eye and hearing protection.

Safety

Requirement 1c – Eye and Hearing Protection

- Why should I wear eye and ear protection? What should I wear?

Safety

Requirement 1c – Eye and Hearing Protection

- Eye Protection
 - Should have polycarbonate lens
 - Should wrap around the eyes
 - Protects against
 - Hot gases and debris when a shot is fired
 - Extracted shells and cartridges
 - Protects your eyes from sand and other debris

Safety

Requirement 1c – Eye and Hearing Protection

- Ear Protection
 - Provides protection against loud noises
 - Ear plugs
 - Earmuffs
 - Electronic hearing protection
- Guns can produce sounds from 140 – 170 dB
- A single shot from a .22 can cause hearing damage

Safety

Requirement 1i – Resources

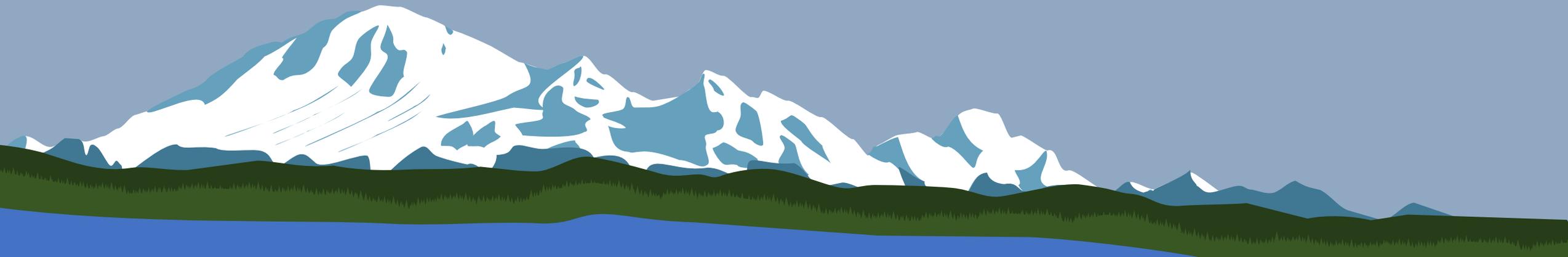
i. Give your counselor a list of sources that you could contact for information on firearms and their use

- Where can you go for info on firearm safety?
 - National Rifle Association (www.nra.org)
 - National Shooting Sports Foundation (www.nssf.org)
 - Midway USA (www.midwayusa.com)
 - Boy Scouts of America (www.scouting.org)

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Shotgun Shooting Merit Badge Hygiene



Hygiene

Requirement 1g – Hygiene

g. Explain to your counselor the proper hygienic guidelines used in shooting.

Hygiene

Requirement 1g – Hygiene

- What are we concerned about?
 - Oils, solvents, and residue on the firearm
 - Gunshot residue contains nasty chemicals
 - Ammunition may contain lead

Hygiene

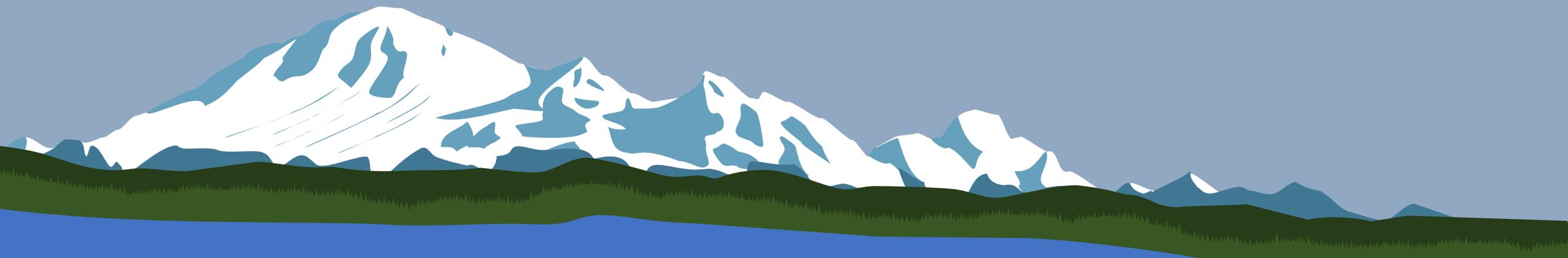
Requirement 1g – Hygiene

- Do not Eat while shooting
- Do not Drink while shooting
- Wash hands and face after shooting
- Change clothes after shooting

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Shotgun Shooting Merit Badge Laws



Laws

Requirement 1d – Local Gun Laws

d. Explain the main points of the laws for owning and using guns in your community and state.

leg.wa.gov/Senate/Committees/LAW/Documents/2019%20Washington%20Firearms%20Final.pdf

Laws

Requirement 1d – Local Gun Laws

- Every state has its own completely different laws
- Your local city and county may have their own laws and restrictions
- You are on your own for this one

[Firearms Safety, Suicide Awareness, The Law, and You](#) – Washington State
[NRA-ILA State Gun Laws](#)

Laws

Requirement 1e – Renewable Wildlife Resources

e. Explain how hunting is related to the wise use of renewable wildlife resources.

Laws

Requirement 1e – Renewable Wildlife Resources

- Wildlife cannot be stockpiled like coal or oil
- All habitats have a limit on how many animals it can support
 - If populations exceed **Carrying Capacity** of a habitat
 - Animal population will suffer starvation and disease
 - Habitat may be damaged
 - It may take many years for a habitat to recover

Laws

Requirement 1e – Renewable Wildlife Resources

- Wildlife species naturally overproduce each year
 - Populations must be kept in check to maintain health of
 - Animal populations
 - Habitat
 - Populations may be kept in check
 - Via natural predation
 - Lack of natural predation can be problematic

Laws

Requirement 1e – Renewable Wildlife Resources

- Wildlife management experts try to maintain healthy wild populations
 - Balance between
 - Arranging hunting seasons
 - Setting bag limits
- The hunting regulations set to ensure hunters
 - Do not remove too many animals
 - Help maintain a healthy population

Laws

Requirement 1f – Hunting Laws

f. Successfully complete a state hunter education course, or obtain a copy of the hunting laws for your state, then do the following.

- (1) Explain the main points of hunting laws in your state and give any special laws on the use of guns and ammunition, and
- (2) List the kinds of wildlife that can be legally hunted in your state

wdfw.wa.gov/hunting/requirements/education/basic

Laws

Requirement 1f – Hunting Laws

- Every state has its own game and gun laws
- Hunting in Kansas is unlike hunting in California or New York
- Different
 - Geography
 - Human population
 - Game species
 - Game laws
 - Certain areas or counties may have their own laws and regulations

Laws

Requirement 1f – Hunting Laws

- What are the hunting laws in your state?
- Are there any restrictions on hunting weapons?
- What wildlife can be hunted in your state?

Laws

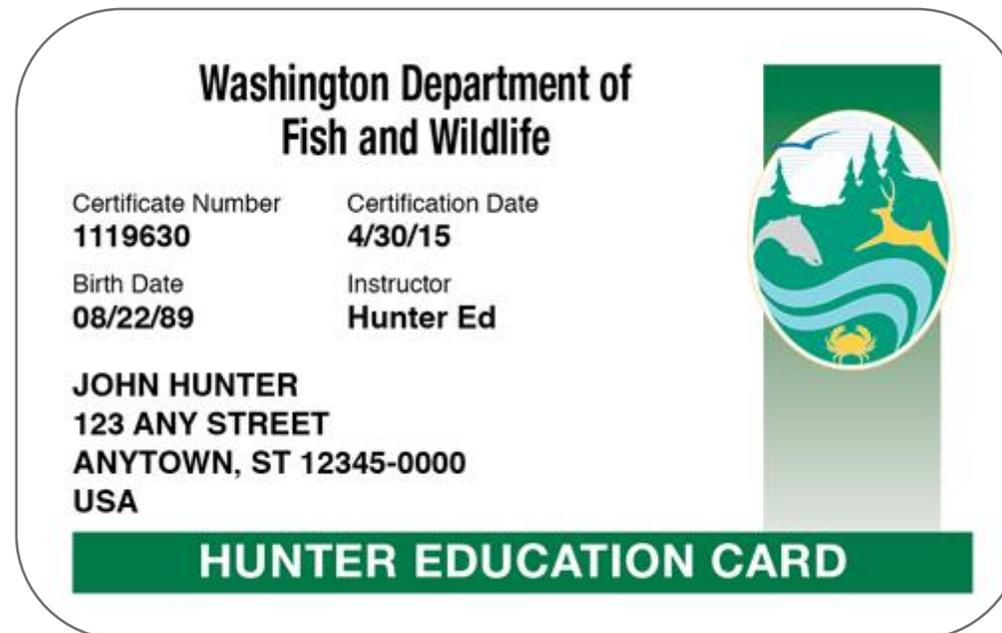
Requirement 1f – Hunting Laws

1. It was illegal (pre 2013) to shoot piebald or an albino deer in [Oklahoma](#)
2. Can't shoot deer in any lake, stream, or pond in Georgia (Code 1933, § 45-519)
3. Name and address must be printed on all arrows in [New Hampshire](#)
4. It is illegal to harass Key Deer in [Florida](#)
5. You can not use game cameras in [Colorado](#) and [Montana](#)
6. You may not take a picture of game from January-April in [Wyoming](#)
7. It is legal to hunt bigfoot in [Texas](#)
8. You can hunt if legally blind in [Texas](#) and [Michigan](#)
9. Can not hunt fur bearing creatures with dynamite, fire, smoke, brimstone, sulfur, gas or chemical in [Connecticut](#)

Laws

Requirement 1f – Hunting Laws – Washington State

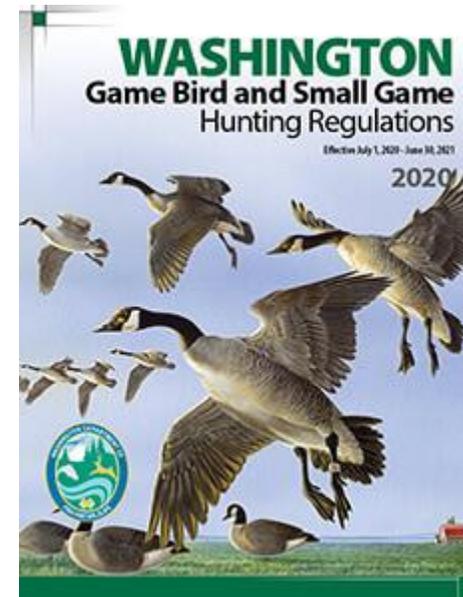
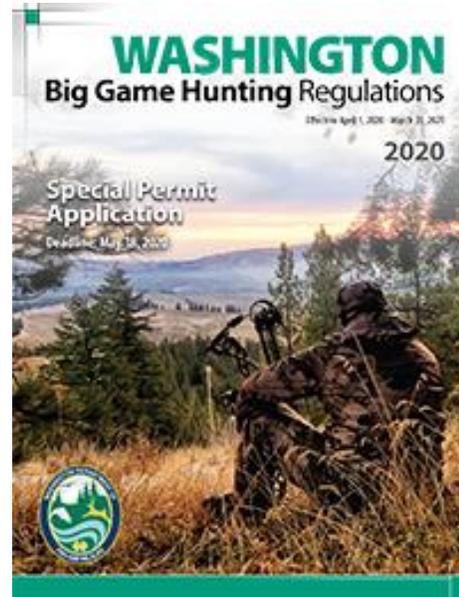
- [Washington State Hunter Education](#)
 - Certification can be done 100% online
 - Online hunter education and virtual field day is about a 10 hours



Laws

Requirement 1f – Hunting Laws – Washington State

- [Hunting seasons and regulations](#)
 - [Washington Big Game Hunting Regulations](#)
 - [Washington Game Bird and Small Game Hunting Regulations](#)

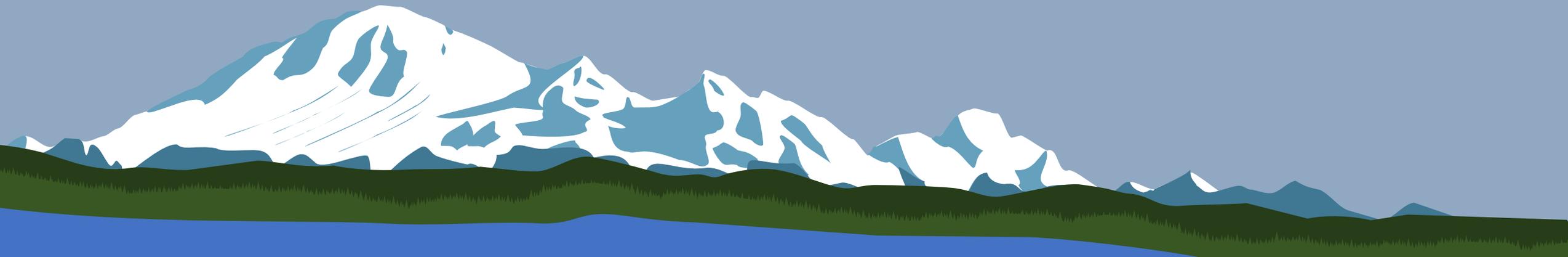


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Shotgun Shooting Merit Badge

Sports and Activities



Sports and Activities

Requirement 1h – Shooting Sports & Activities

h. Identify and explain three shotgun sports. Identify places in your community where you could shoot these sports and explain how you can join or be a part of shooting sports activities.

Sports and Activities

Requirement 1h – Shooting Sports

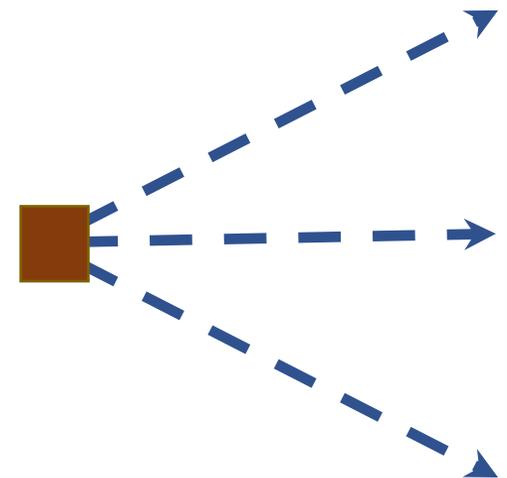
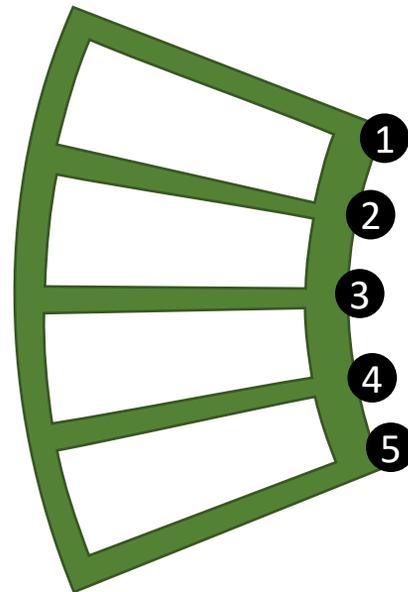
Three shotgun sports

- Trap Shooting
- Skeet Shooting
- Sporting Clays

Sports and Activities

Requirement 1h – Shooting Sports - Trap Shooting

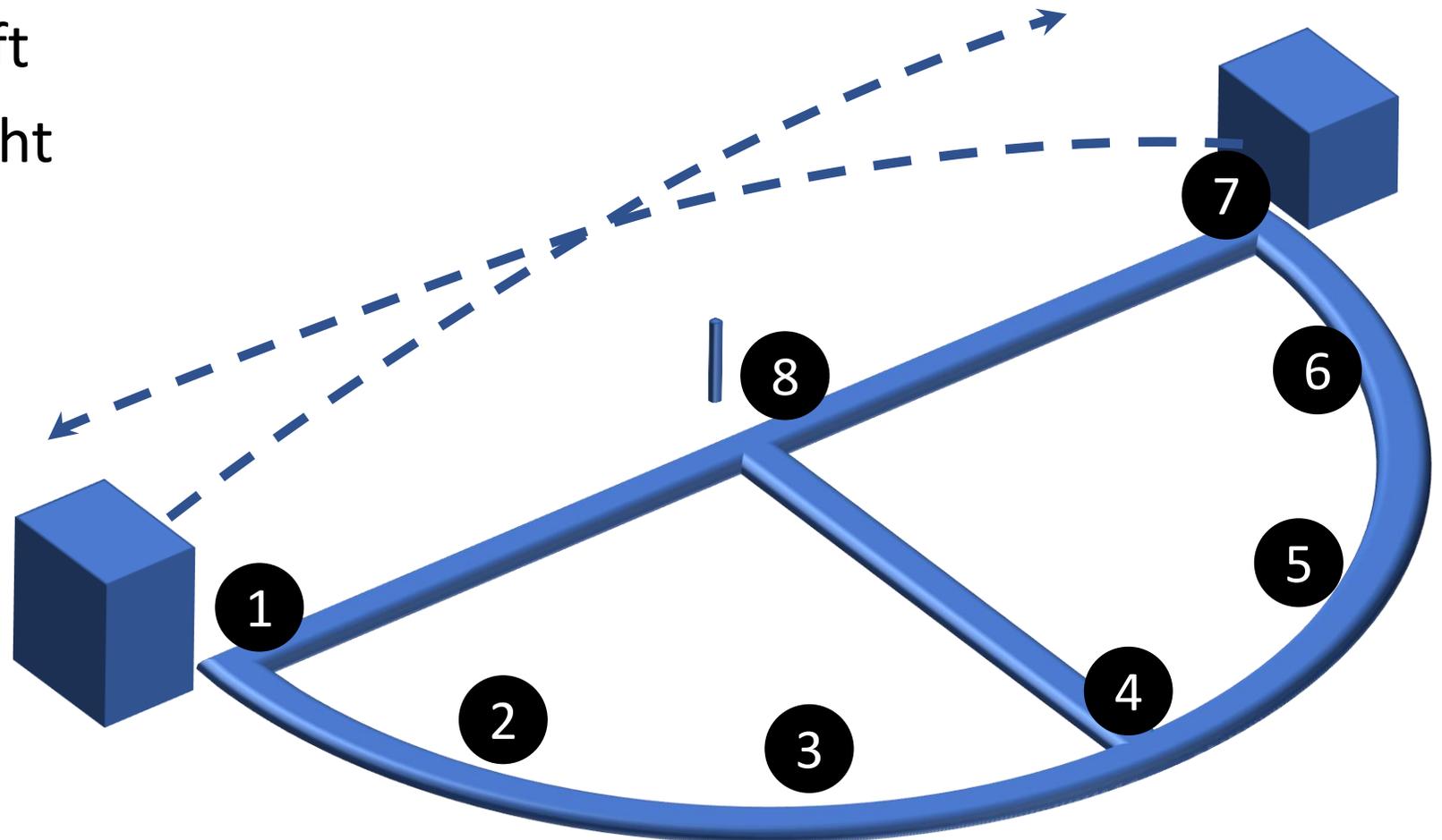
- One target-throwing machine centered in front of the range
- Targets fly away from the shooters
- Targets may be ejected up to 45-degree angle to the left or right
- Each member of the five-person “squad” takes a turn with each shot
- After five cycles, each shooter rotates to the next station
- Process begins over again



Sports and Activities

Requirement 1h – Shooting Sports - Skeet Shooting

- Skeet targets always cross in front of the shooter
 - High House on Left
 - Low House on Right



Sports and Activities

Requirement 1h – Shooting Sports - Sporting Clays

- “Golf with a Shotgun”
- Generally 5 to 15 different shooting stations
- Set up over natural terrain
- Clay pigeons thrown to simulate flight pattern of game birds or rabbits
- Clay pigeons are thrown in pairs, five or so pairs to the station
- 100 birds or more may be presented over the course
- Flight paths, speed and trajectory vary greatly
- Think unpredictable, variable, and sometimes bordering on impossible

Sports and Activities

Requirement 1h – Shooting Sports & Activities

Identify places in your community where you could shoot these sports and explain how you can join or be a part of shooting sports activities.

- Shooting Organizations:
 - [Amateur Trapshooting Association](#)
 - [National Rifle Association](#)
 - [National Skeet Shooting Association](#)
 - [National Sporting Clays Association](#)
 - [USA Shooting](#)
- [Collegiate Shooting Teams](#)
- [Olympic Shooting Teams](#)

Sports and Activities

Requirement 1h – Shooting Sports & Activities

- There are many programs available through USA Shooting and partner organizations.
- Where a youth may not have excelled in other sports, shooting sports do not require a participant to be the fastest, tallest, or strongest.
- It does require—or will teach—patience, determination, organization skills, mental and physical control, safety awareness, goal setting, problem solving, and good citizenship/sportsmanship.

Sports and Activities

Requirement 1h – Shooting Sports & Activities

- Junior USA Shooting members can register for USA Shooting sanctioned competitions that provide exposure to international shooting rules, shoulder-to-shoulder competitions and visibility of their skill progression that will earn them opportunities to make the National Junior Development Team.
- There are three age categories for juniors at all national USA Shooting sanctioned events:
 - **Junior 1 (J1):** ages 18-20
 - **Junior 2 (J2):** ages 15-17
 - **Junior 3 (J3):** ages 14 years or younger



Sports and Activities

Requirement 1h – Shooting Sports & Activities

- NRA Marksmanship Qualification Program
 - From a young shooter's first BB gun to sophisticated air rifles, shotguns, muzzleloaders, pistols and rifles, the NRA Marksmanship Qualification Program offers shooters a self-paced training platform to develop their shooting skills.
 - Shoot for set standards and you meet the challenge!
 - Progression is self-paced and scores are challenging but attainable.
 - Performance is measured against established par scores and any shooter who meets or exceeds those scores is entitled to the corresponding recognition awards for that rating.

Sports and Activities

Requirement 1h – Shooting Sports & Activities

- National 4-H Shooting Sports
 - The focus of all 4-H programs is the development of youth as individuals and as responsible and productive citizens.
 - The National 4-H Shooting Sports Program stands out as an example. Youth learn marksmanship, the safe and responsible use of firearms, the principles of hunting and archery, and much more.



Sports and Activities

Requirement 1h – Shooting Sports & Activities

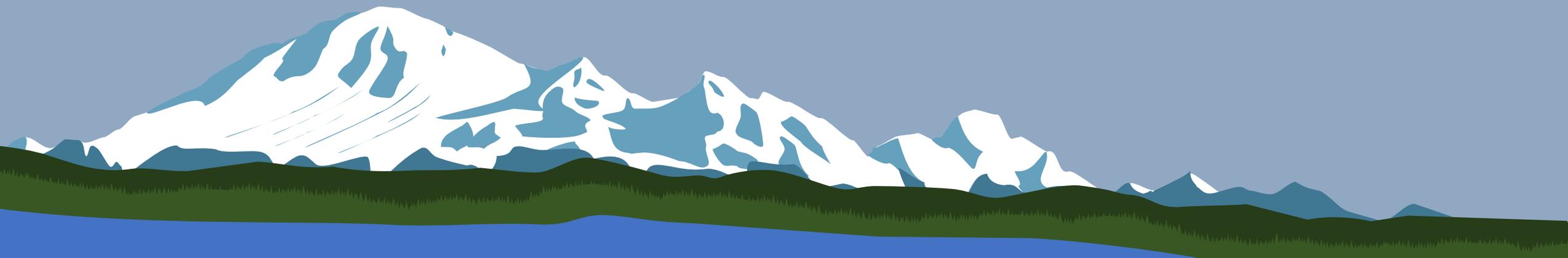
- National 4-H Shooting Sports
 - The activities of the program and the support of caring adult leaders provide young people with opportunities to develop life skills, self-worth, and conservation ethics.
 - Local 4-H Shooting Sports clubs are open to all youth ages 8 to 18.
 - Each year, 4-H teaches a shooting sport to about 500,000 boys and girls each year.

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Shotgun Shooting Merit Badge

The Shotgun



The Shotgun

Requirement 2Aa - 3 Main Parts of a Shotgun

- a. Identify the principal parts of a shotgun, action types, and how they function

The Shotgun

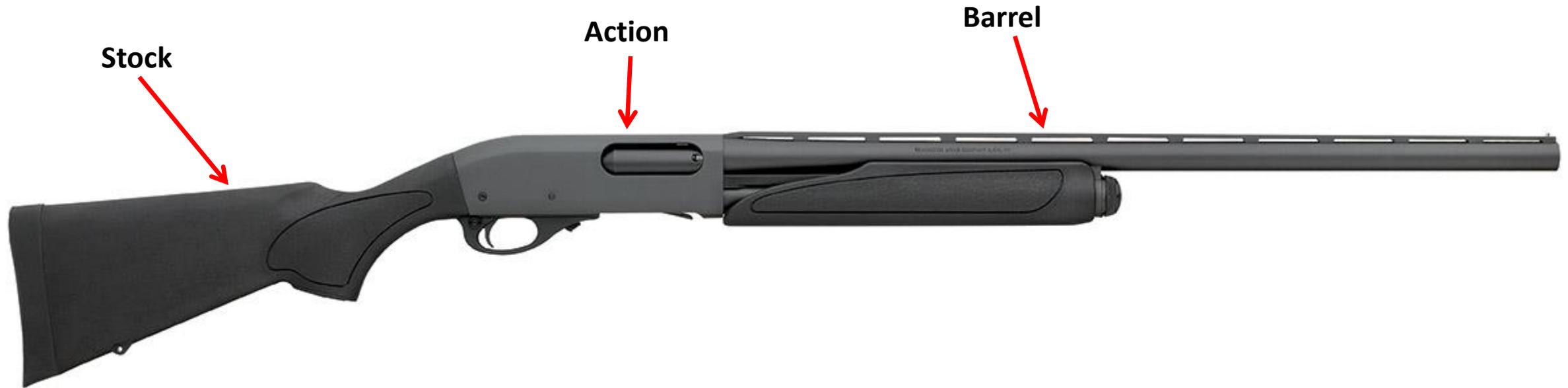
Requirement 2Aa - 3 Main Parts of a Shotgun

- What are the 3 main parts of a Shotgun?
 - Stock
 - Action
 - Barrel

The Shotgun

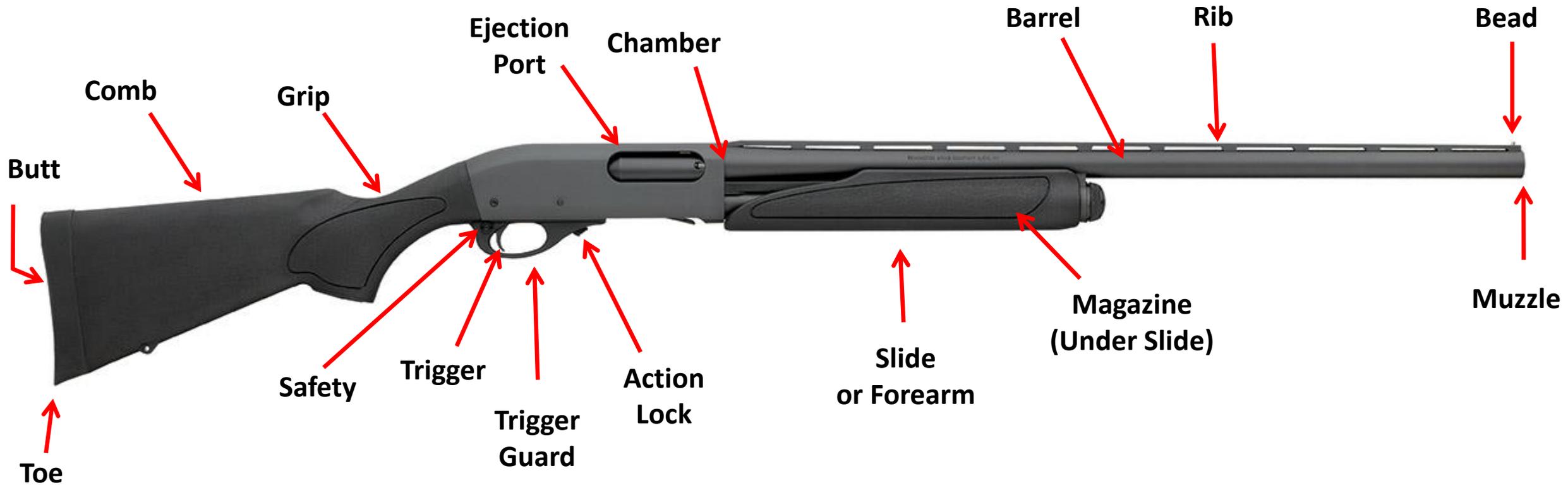
Requirement 2Aa - 3 Main Parts of a Shotgun

- What are the 3 main parts of a Shotgun?



The Shotgun

Requirement 2Aa - 3 Main Parts of a Shotgun

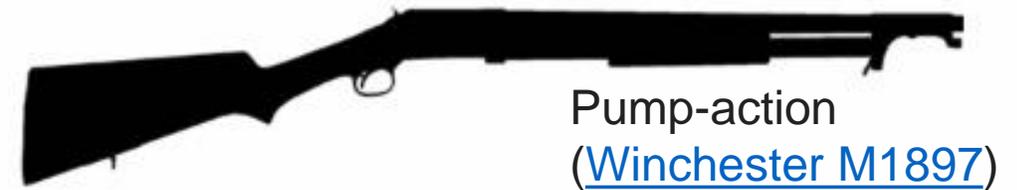
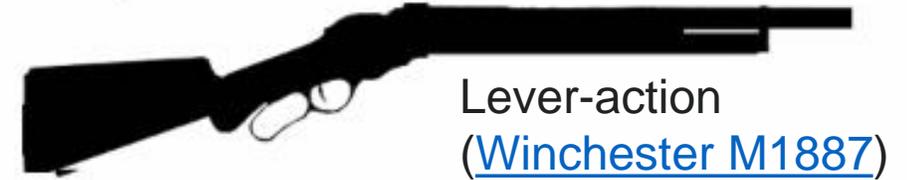
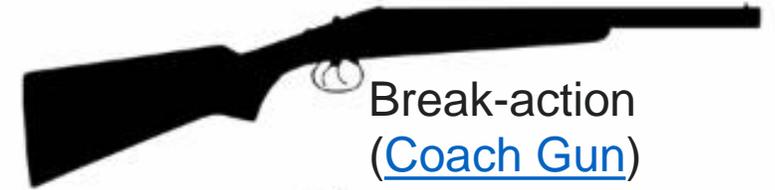


The Shotgun

Requirement 2Aa – Shotgun Parts

What are some types of Shotgun actions?

- Break
- Lever
- Pump
- Automatic

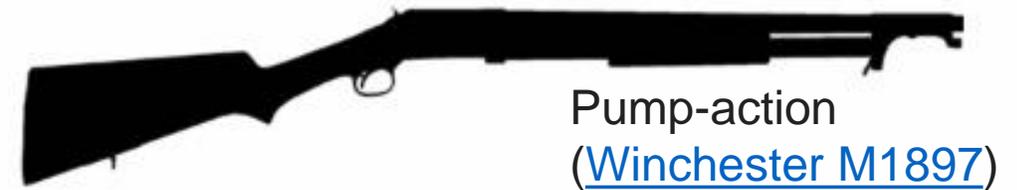
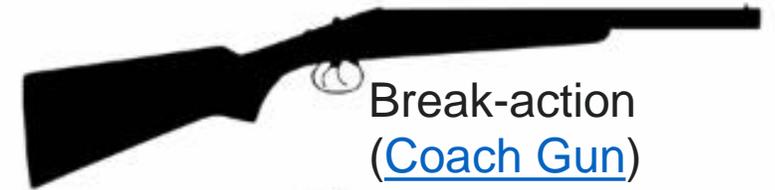


The Shotgun

Requirement 2Aa – Shotgun Parts

If In-Person Class

- Loading
- Unloading
- Practical Exercise
(Load / Unload Exercise)



The Shotgun

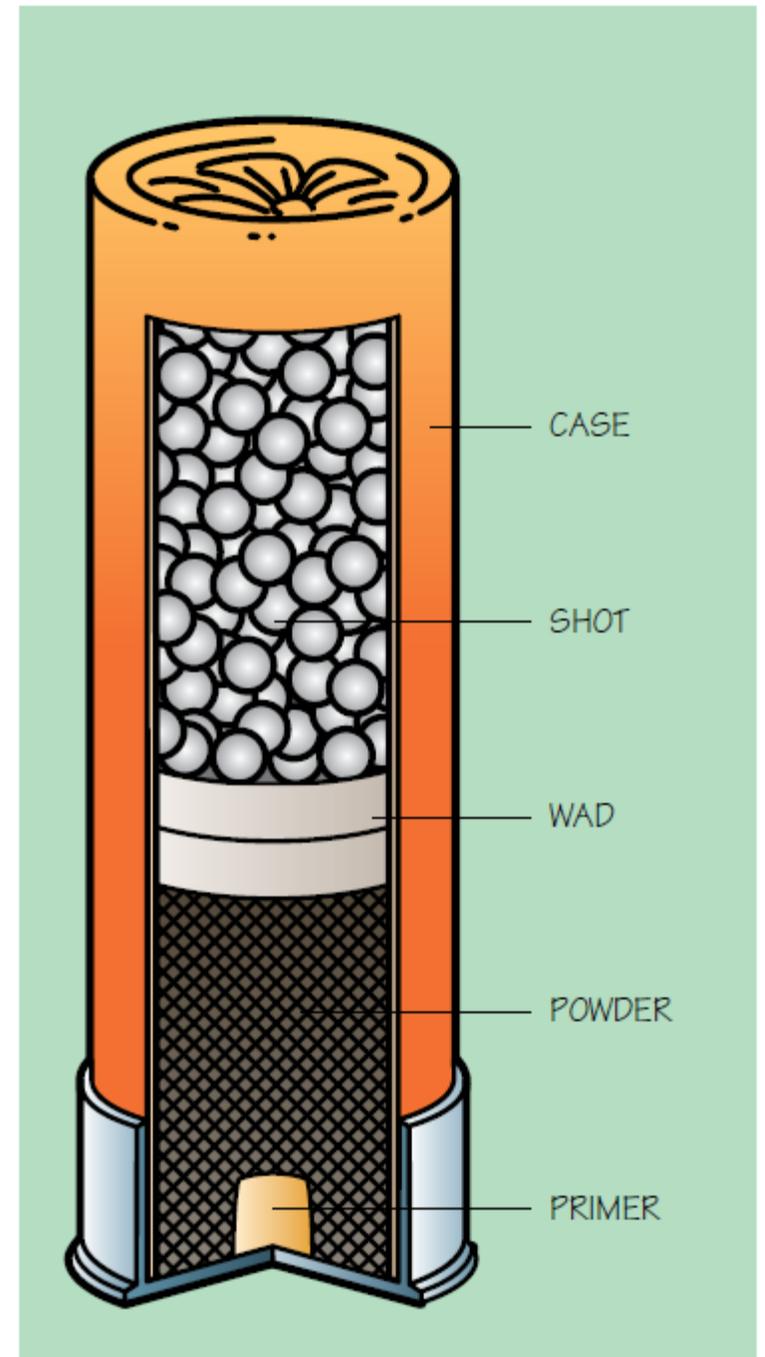
Requirement 2Ac – Shotgun Shell

c. Identify the parts of a shotgun shell and their functions.

The Shotgun

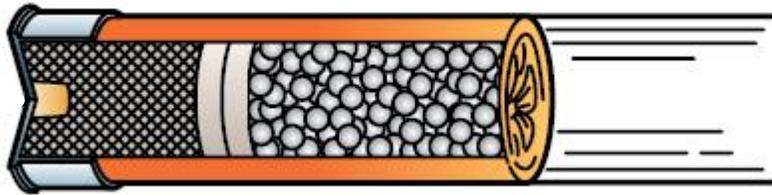
Requirement 2Ac – Shotgun Shell

- **Shell case** - outer container
- **Primer** – detonating agent
- **Powder Charge** – burns when ignited
- **Wad** – separates and seals powder from shot
- **Shot** – 9-700 lead or steel balls

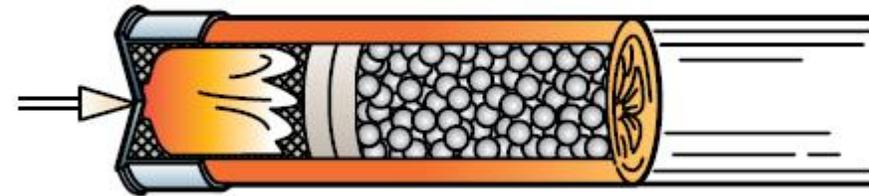


The Shotgun

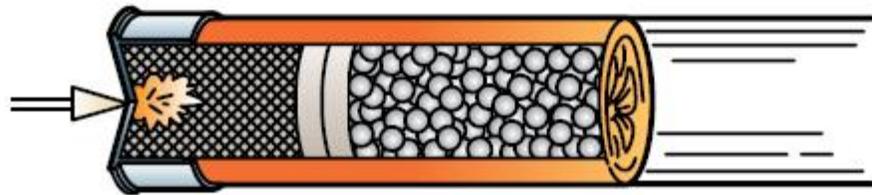
Requirement 2Ac – Shotgun Shell – Function



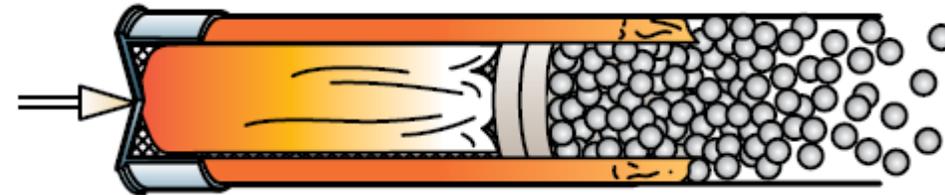
Shell in chamber



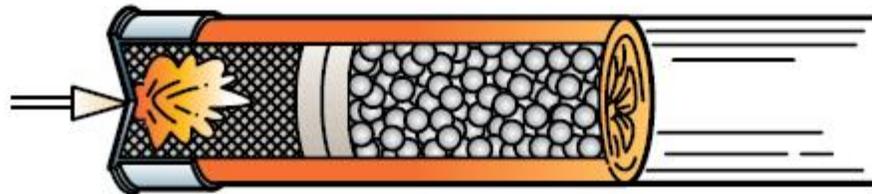
Gas from burning powder expands in shell



Firing pin strikes and ignites primer



Expanding hot gases propel shot

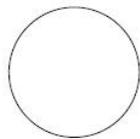


Powder ignites

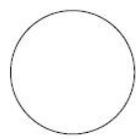
The Shotgun

Requirement 2Ad – Shotgun Gauges

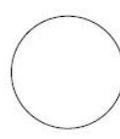
d. Identify the various gauges of shotguns. Explain which one you would pick for use and why.



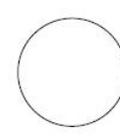
10 GAUGE



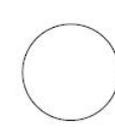
12 GAUGE



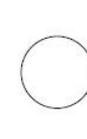
16 GAUGE



20 GAUGE



28 GAUGE



.410 BORE

The Shotgun

Requirement 2Ad – Shotgun Gauges

Shotgun Gauge			
Gauge	Bore Diameter	Shell Lengths	Common uses
10 Gauge	.775"	3.5"	Duck and goose with non-toxic shot
12 Gauge	.725"	2.75", 3", 3.5"	Big game, turkey, waterfowl, upland, and small game Military, Law and home defense
16 Gauge	.665"	2.75"	Popular in Europe
20 Gauge	.615"	2.75", 3"	Can be used for waterfowl – but better suited for upland game and self defense
28 Gauge	.545"	2.75"	Skeet shooting and small and upland
.410 Bore	.410	2.5", 3"	Used by small framed people and kids

The Shotgun

Requirement 2Ad – Shotgun Gauges

Shot Size

Size No.	Shot Diameter (inches)	Number of lead shot per ounce	Common uses
No. 9	.08	585	Skeet, woodcock, quail
No. 8	.09	410	Trap, skeet, dove, quail, woodcock
No. 7.5	.095	350	Trap, dove, grouse, quail pheasant, crow
No. 6	.11	225	Grouse, pheasant, rabbit, squirrel, crow
No. 5	.12	170	Pheasant, grouse, rabbit, squirrel, turkey
No. 4	.13	135	Ducks, turkey
No. 2	.15	90	Turkey, ducks

Larger shot or slugs can be used for larger game like deer and bear

The Shotgun

Requirement 2Ae – Malfunctions

e. Identify and explain the fundamentals of safely shooting a shotgun. Explain what a misfire, hangfire, and squib fire are, and explain the procedures to follow in response to each.

The Shotgun

Requirement 2Ae – Malfunctions

What are the 3 types of ammunition problems

- Misfire
- Hangfire
- Squib Round

The Shotgun

Requirement 2Ae – Malfunctions – Misfire

Misfire - cartridge does not fire when the firing pin hits the primer

- Keep the gun pointed in a safe direction
- Wait for at least 30 seconds before opening the bolt

The Shotgun

Requirement 2Ae – Malfunctions – Hangfire

Hangfire – late ignition of the round

- Delay in ignition
- Keep shotgun pointed in safe direction for 30 seconds
- Afterward, open bolt and remove misfired cartridge or empty case

The Shotgun

Requirement 2Ae – Malfunctions – Squib Round

Squib Round – not enough gas to force bullet out of barrel

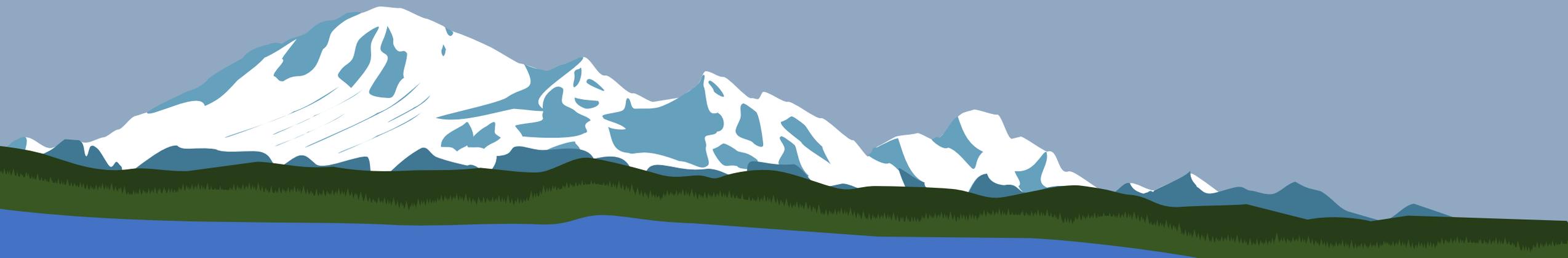
- Did not sound right when fired
- Nothing hit target
- **Do not attempt to shoot another shot!**
- Bullet may be lodged in barrel
- Raise your hand at firing line
- Wait for direction from Range Safety Officer
- May need to rod and clean out barrel

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9. Storage	



Shotgun Shooting Merit Badge

Ammo



Ammo

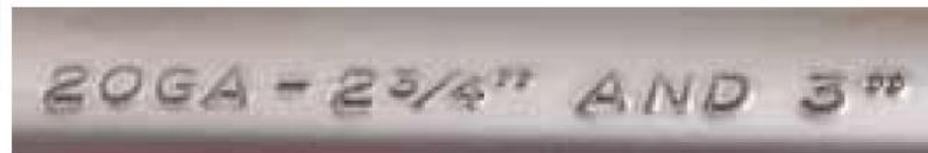
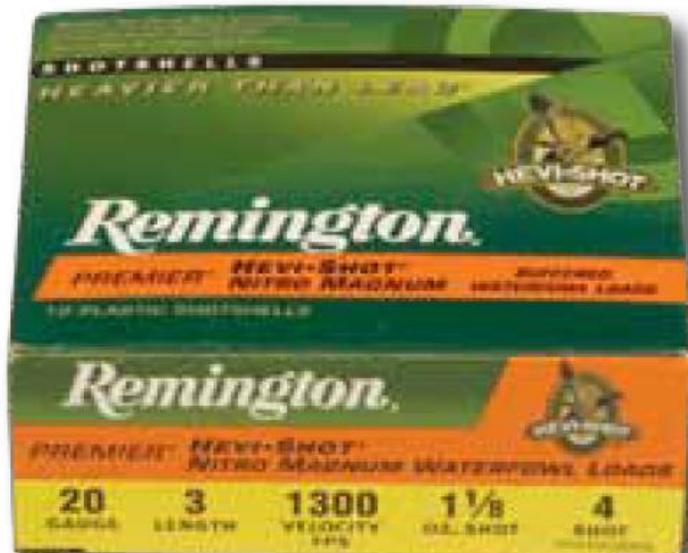
Requirement 2Ae – Rules of Safe Shooting – Right Ammo

How can you tell that you have the right ammunition for your firearm?

The caliber is stamped onto the **Barrel**

The caliber is on the **Box** of ammunition

The caliber is stamped on the bottom of each shell (aka **Brass**)



Ammo

Requirement 2Ae – Rules of Safe Shooting – Right Ammo

20 Gauge shells are YELLOW for a reason

- They will fit into a 12 Gauge chamber
- They will slide down and get stuck in barrel
- If you shot your shotgun with an obstructed barrel...

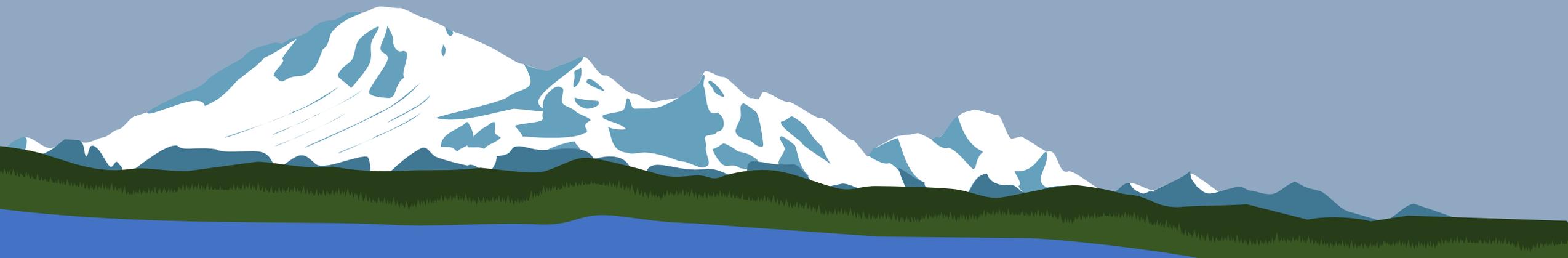
IT WILL EXPODE!

DO NOT PUT YELLOW SHELLS IN A 12 GAUGE SHOTGUN!

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Shotgun Shooting Merit Badge Storage



Storage

Requirement 2Ae – Rules of Safe Shooting – Storage

What are some rules for safely storing your gun?

- Double check it is unloaded
- If possible, leave the action open
- Turn on the safety
- Store it in a locked gun cabinet or safe
- Store ammunition in a separate place
- Follow the 3 Fundamental Rules of Firearm Safety while putting the gun away and getting it out

NRA Gun Safety Rules

ALWAYS keep your gun pointed in a safe direction

ALWAYS keep your finger off the trigger until ready to shoot

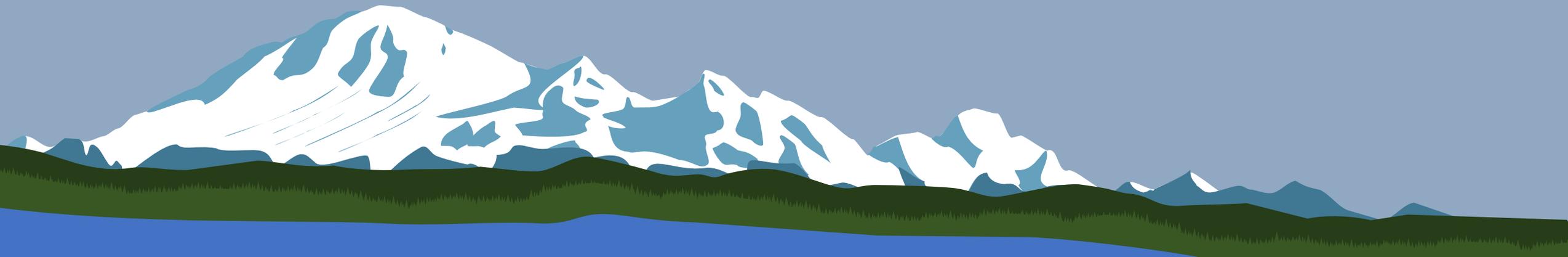
ALWAYS keep your gun unloaded until ready to use

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Shotgun Shooting Merit Badge

Shotgun Shooting Fundamentals



Shotgun Shooting Fundamentals

Requirement 2Ae – Fundamentals of Safe Shooting

e. Identify and explain the fundamentals of safely shooting a shotgun.

Shotgun Shooting Fundamentals

Requirement 2Ae – Fundamentals of Safe Shooting

1. **Shooting position** (stance)
2. **Shot preparation** (gun-ready position)
3. **Swing to target**
4. **Trigger pull**
5. **Follow-through**

Shotgun Shooting Fundamentals

Requirement 2Ae – Fundamentals – Eye Dominance

Determine Eye Dominance

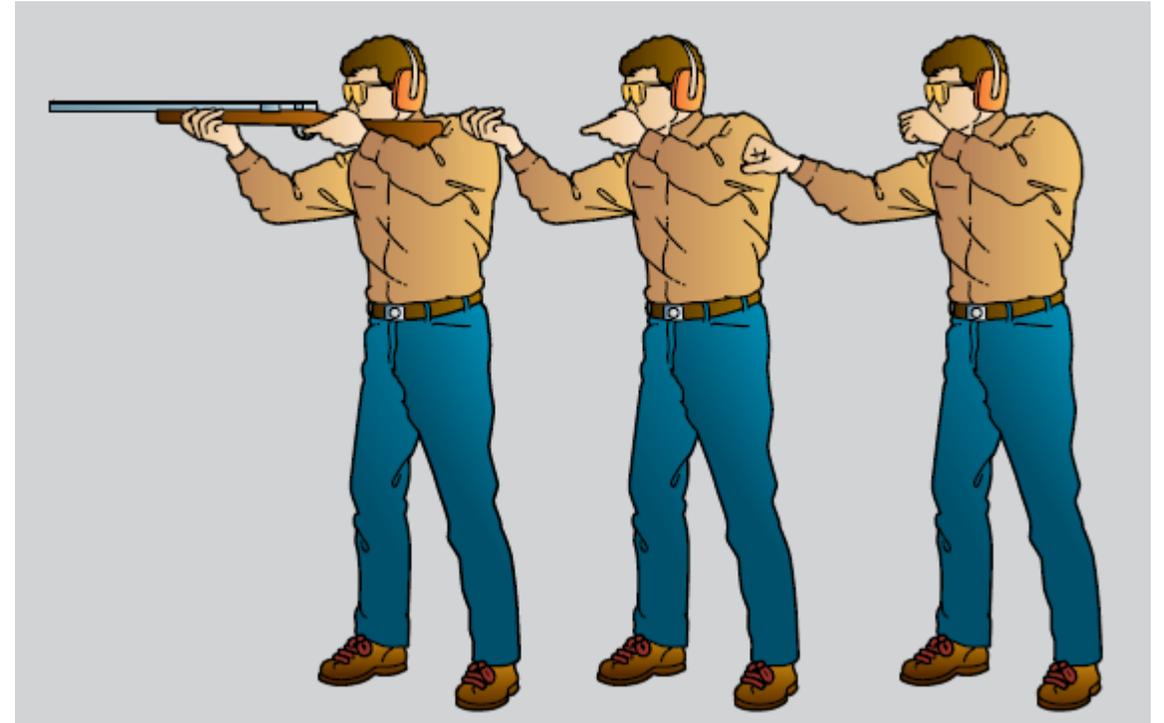
- Extend arms forward and form opening between the hands
- With both eyes open, look at a distant object through opening
- **SLOWLY** bring hands to face while looking at object
- Opening will be aligned with the dominant eye



Shotgun Shooting Fundamentals

Requirement 2Ae – Fundamentals – Shooting Position

- Mostly from the standing position
- Relaxed and comfortable
- Most natural balance possible
- Feet about shoulder width apart
- Front knee should be bent
- Back leg remains straight
- Able to rotate your body if the target moves to right or left



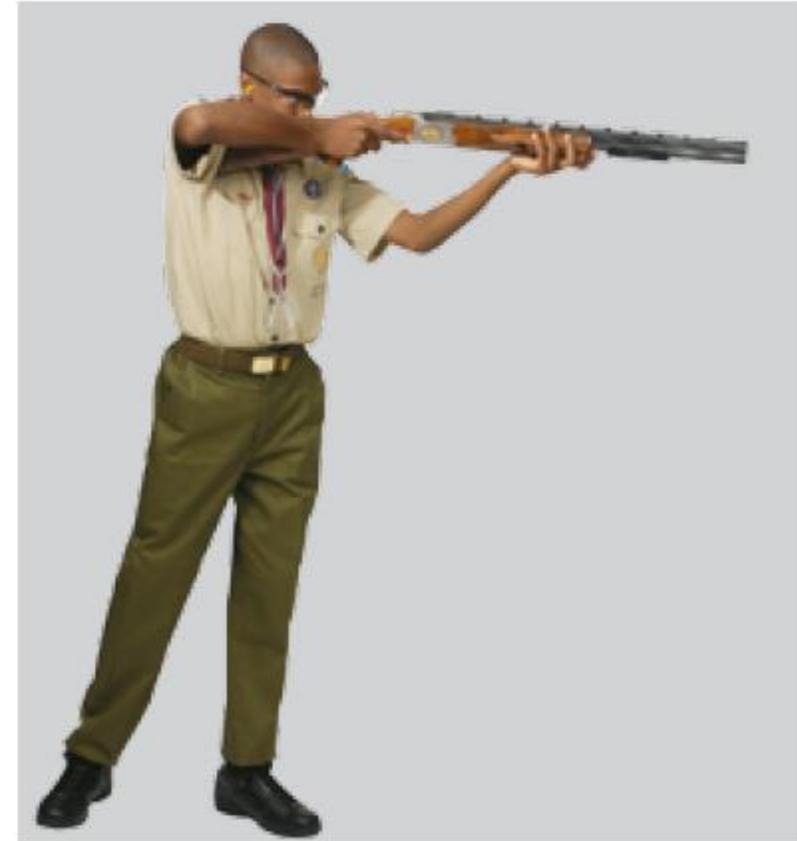
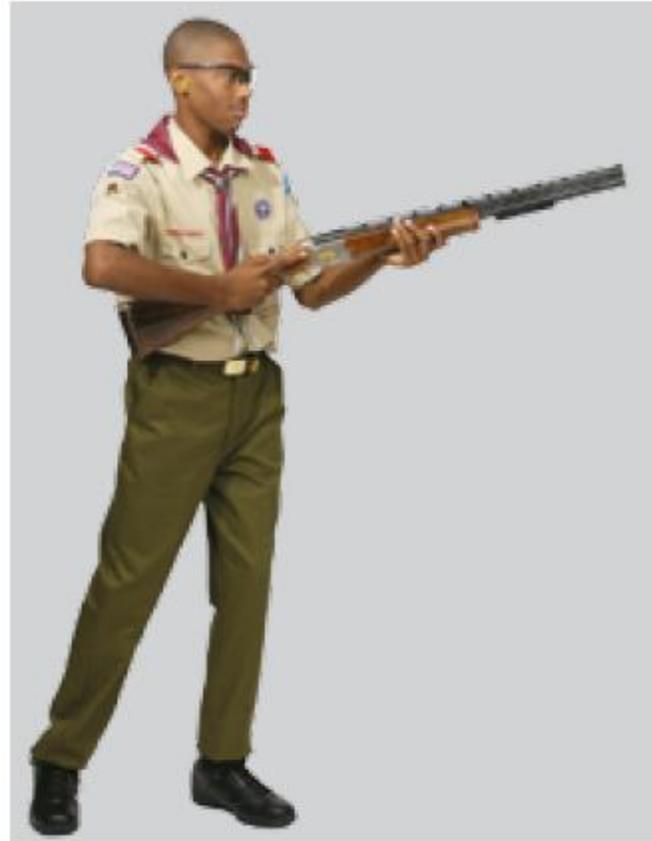
Stand like a boxer

Shotgun Shooting Fundamentals

Requirement 2Ae – Fundamentals – Shot Preparation

Place the muzzle just below the anticipated target's flight path to allow a clear view of the target.

Keep both eyes open.



Shotgun Shooting Fundamentals

Requirement 2Ae – Fundamentals – Swing to Target

On first seeing the target

- Move gun and body as single coordinated unit toward the target
- Raise gun into the correct firing position
 - Keep your eyes focused on the target all the time
 - Position your face firmly against the stock
 - Bring trigger hand elbow into position about level with shoulders
 - Place the butt of the stock against the shoulder.

Shotgun Shooting Fundamentals

Requirement 2Ae – Fundamentals – Trigger Pull

Timing and reflex are essential in the act of trigger pull

- Pull the instant muzzle touches moving target
- Pull must be quick and crisp
- Do not to jerk the gun

Shotgun Shooting Fundamentals

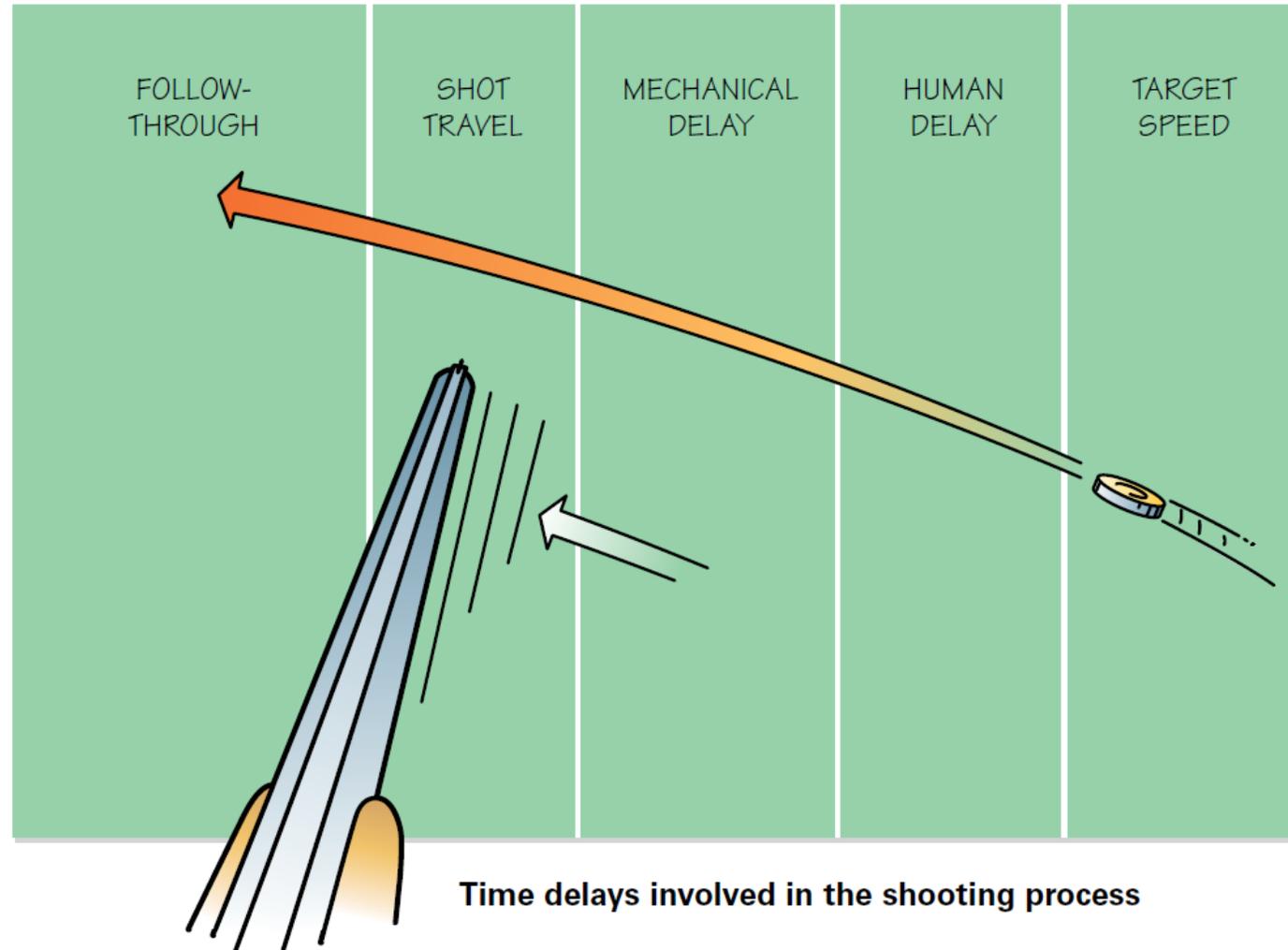
Requirement 2Ae – Fundamentals – Follow Through

Follow-through is one of the most important and difficult aspects of shotgun shooting

- The shotgun muzzle must move through the target
- Shotgun must remain welded to your body, especially the cheek
- Not following through is most common cause of misses by beginners

Shotgun Shooting Fundamentals

Requirement 2Ae – Fundamentals – Follow Through



Shotgun Shooting Fundamentals

Learn to point

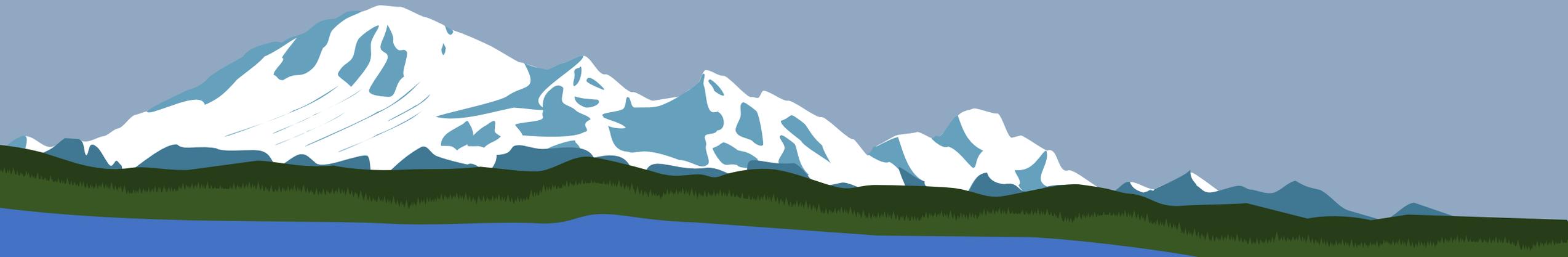


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Shotgun Shooting Merit Badge

The Range



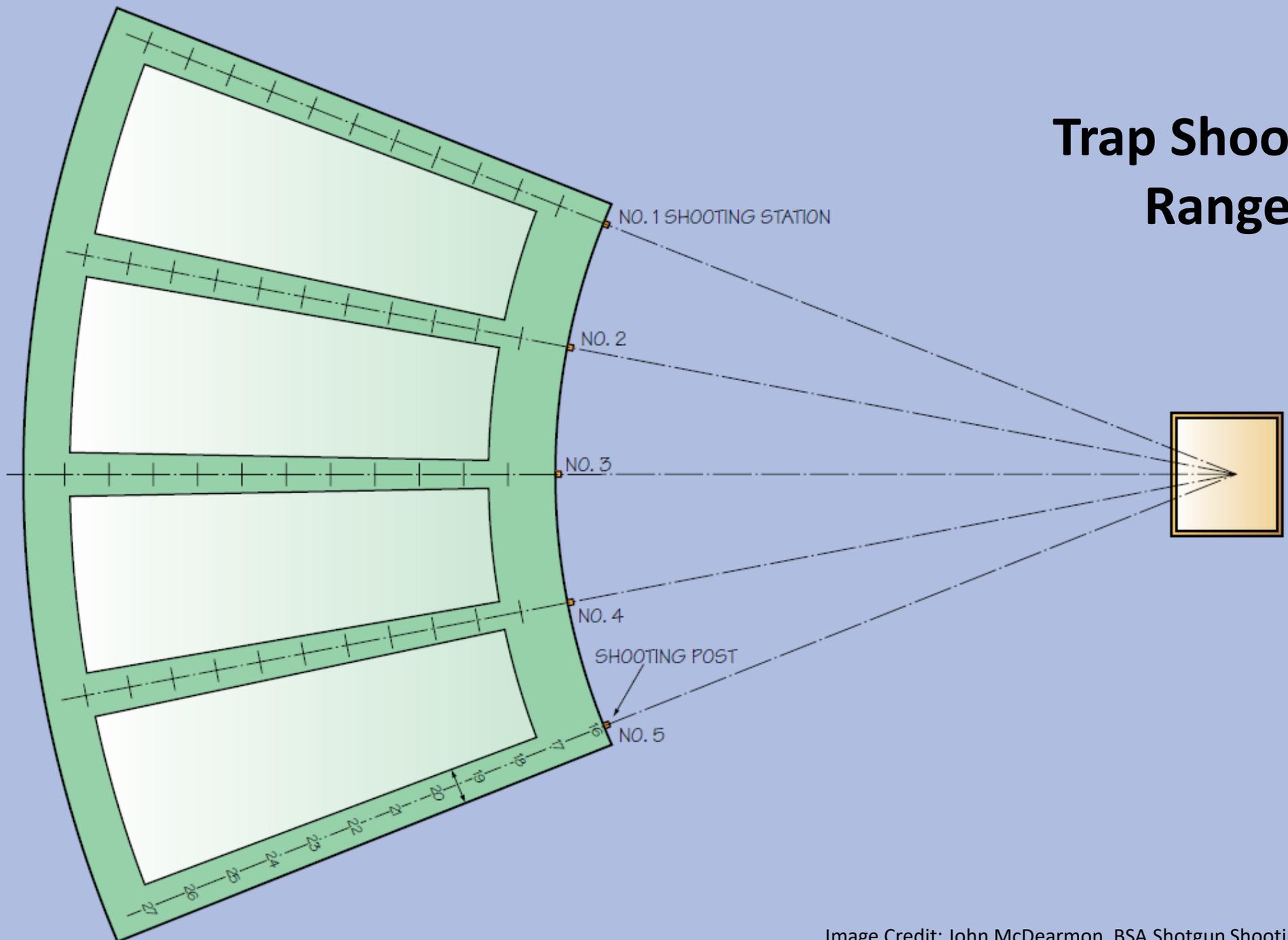
NRA Gun Safety Rules

ALWAYS keep your gun pointed in a safe direction

ALWAYS keep your finger off the trigger until ready to shoot

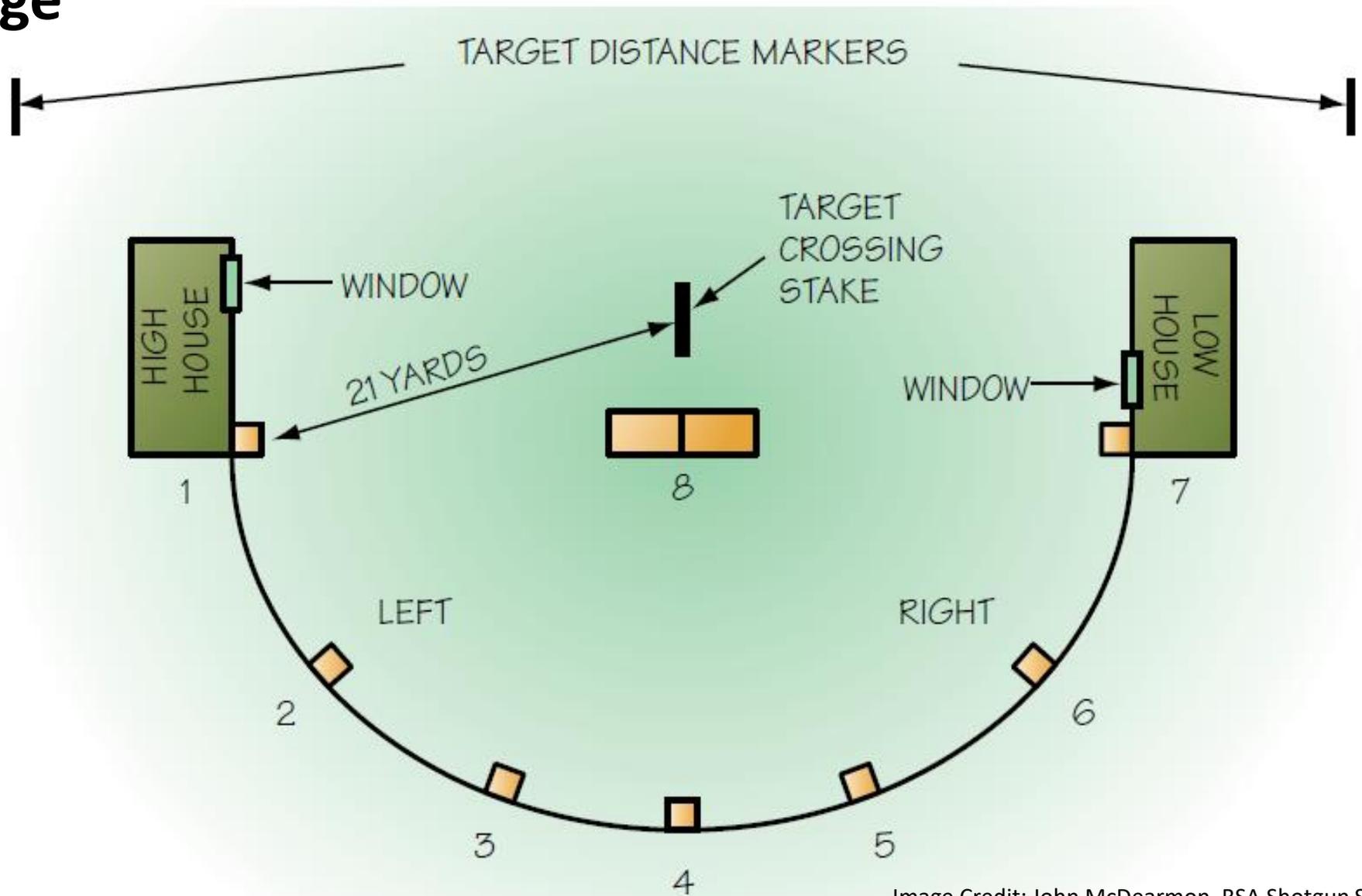
ALWAYS keep your gun unloaded until ready to use

Trap Shooting Range



Skeet Shooting Range

The Range



The Range

Requirement 2Ag – The Range – Who's in Charge

Who runs the range?

- Range Safety Officer
- Instructor

The Range

Requirement 2Ag – The Range – Who's in Charge

Range Safety Officer

- The RSO is in charge of the range
- What he/she says, goes
- The RSO is there to make sure everyone on the firing line is safe
- Do not do ANYTHING until the RSO says so

The Range

Requirement 2Ag – The Range – Who's in Charge

Instructor

- For BSA shooting activities there must be an RSO and at least 1 instructor
- The Instructor is there to help you
- Do not take it personally if the Instructor tries to correct what you are doing. The instructor is trained and experienced and there to make your shooting experience better.

The Range

Requirement 2Ag – The Range – Range Commands

Range Commands

- **“Load”**

Load a shell into the chamber. DO NOT SHOOT YET!

- **“Commence Firing”**

Shoot when you have a good sight picture and alignment

- **“Cease Firing”**

Stop everything IMMEDIATELY and look at the RSO. Wait for further instructions. Do not shoot, unload, or anything. JUST WAIT

The Range

Requirement 2Ag – The Range – Cease Fire

Who can call, “Cease Fire”?

- Anyone on the range can call “Cease Fire”
- If you see something unsafe, yell,
“CEASE FIRE! CEASE FIRE! CEASE FIRE!”
- Tell the RSO or Instructor what you see

The Range

Requirement 2Ag – The Range – Dos and Don'ts

DO – ALWAYS keep the gun pointed in a safe direction, usually down range

DO – What the RSO tells you, WHEN the RSO tells you

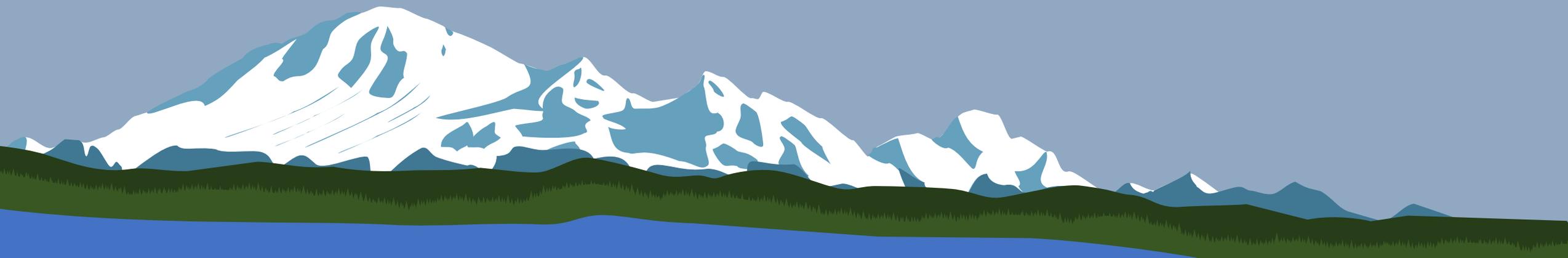
DO – Raise your hand if you have a problem or question



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Shotgun Shooting Merit Badge Cleaning



Shotgun Cleaning

Requirement 2Ah – Cleaning

h. Identify the materials needed to clean a shotgun.

Shotgun Cleaning

Requirement 2Ah – Cleaning - Safety

Before you begin to clean the shotgun, point it in a safe direction, open the action, and **be absolutely sure that:**

- **The gun is empty**
- **All ammunition is removed from the area**

To assure safety, the action should be open during cleaning

Shotgun Cleaning

Requirement 2Ah – Cleaning - Materials

Six basic materials are needed to clean a Shotgun:

- Cleaning rod with attachment (jag tip to hold patches and a bore brush)
 - The rod must be the proper size for the bore of the gun.
- Cloth patches
- Bore solvent
- Gun oil
- Soft cloth
- Small brush

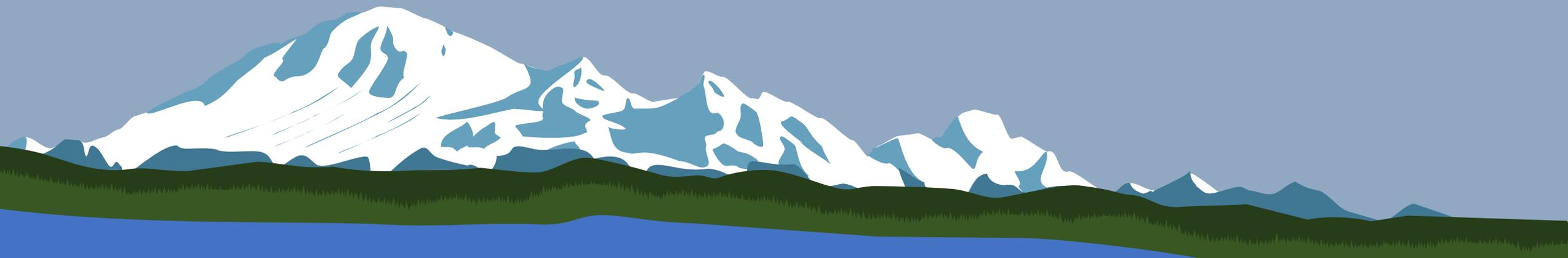


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Shotgun Shooting Merit Badge

Selecting a Shotgun



Selecting a Shotgun

Requirement 2Aj – Selecting a Shotgun

j. Discuss what points you would consider in selecting a shotgun.

Selecting a Shotgun

Requirement 2Aj – Selecting a Shotgun - Purpose

How do you plan to use this shotgun?

- Mainly for shooting at clay targets
- Hunt in the field
- Home defense
- What gauge to get

Selecting a Shotgun

Requirement 2Aj – Selecting a Shotgun - Ammo

- Can you easily find ammo for your gun
- What will it cost for the amount you will shoot

Selecting a Shotgun

Requirement 2Aj – Selecting a Shotgun - Fit

Does it fit?

- Maybe this is not the gun for you
- Gunsmith may be able to modify it



Selecting a Shotgun

Requirement 2Aj – Selecting a Shotgun – Research

- Have you done your homework?
- Have you studied manufacturers' catalogs?
- Have you looked at and handled different makes available?
- Is the shotgun simple to operate and easy to clean?
- Have you read the warranty or guarantees?
- Is the shotgun produced by a known manufacturer?
- Does the shotgun brand have a good record for dependability?
- Are you purchasing from a reputable dealer who likely will still be in business when you need help?
- Marketability – Can you get back most of your investment if you sell?

Selecting a Shotgun

Requirement 2Aj – Selecting a Shotgun – Used

- Locate the previous owner, if possible, and find out why the shotgun was traded or sold.
- A poor outward appearance of a shotgun generally indicates abuse or excessive wear.
- Make certain a refinish job has not disguised past abuse of the shotgun.
- Check screw slots to see that they have not been damaged during disassembly.
- Check the trigger for consistent, safe pull and smooth function.
- Check the safety to be sure it functions properly.

Selecting a Shotgun

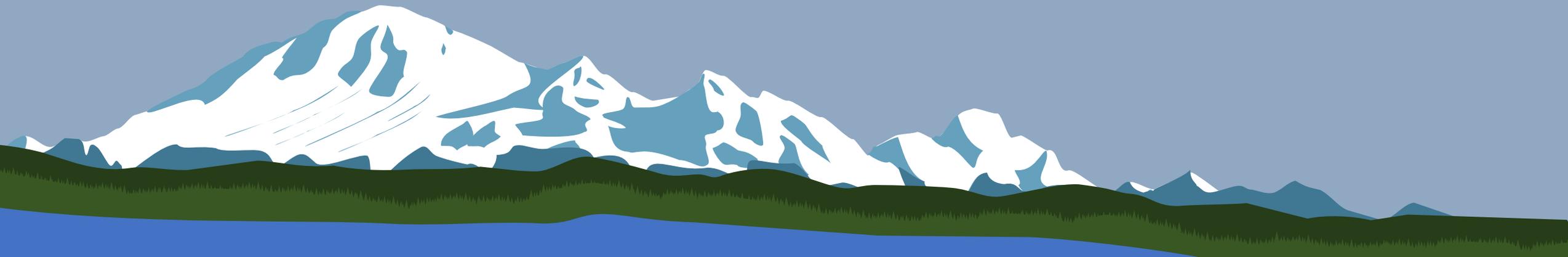
Requirement 2Aj – Selecting a Shotgun – Used

- Note that shotguns in an original, unaltered condition tend to be of more value.
- Get advice from a gun expert regarding this shotgun's market value.
- Check the wood in the stock for type, quality, and hairline cracks.
- Shoot the shotgun, if possible, before buying.
- Be certain the shotgun is legally owned by the seller.
- You usually get what you pay for! Beware of deals that are too good to be true—they usually are.

1. Health, Safety, and Environment	13. Design, Structure, Performance
2. Project Budget (C&I)	14. The Budget
3. Safety	15. Design
4. Insurance	16. Structural Analysis
5. Labor	17. Final Thoughts
6. Structural Analysis	18. Assessment
7. The Structure	19. Instructor's Corner
8. Annex	
9. Glossary	



Final Thoughts



Final Thoughts

Merit Badge Requirement Checklist - State Laws

- 1d – Local Gun Laws
- 1f – Hunting Laws

- Turn in complete [worksheet](#)

If you can't do a worksheet – contact counselor



Final Thoughts

Safety

The following requirements **MUST** be completed with supervision from a **PROPERLY TRAINED ADULT**

Final Thoughts

Merit Badge Requirement Checklist - Option A - Modern

- 2Ab** - Demonstrate the rules for safely handling a shotgun
- 2Ag** - Demonstrate the knowledge, skills, and attitude necessary to safely shoot moving targets, using the fundamentals of shotgun shooting.
- 2Ai** - Demonstrate how to clean a shotgun
- 2Ak** - Shooting score required

- Turn in complete [worksheet](#)

If you can't do a worksheet – contact counselor



Final Thoughts

Merit Badge Requirement Checklist - Option B - Muzzleloading Shotgun

Currently, Option B will not be covered in class



Final Thoughts

Firearm Safety is Serious

- Per the [CDC](#) there were close to 40,000 firearm deaths in 2018
 - That's a big number
 - Many were intentional – self-defense, murder, assaults and suicides
 - Many were accidental
 - All were tragic

Final Thoughts

Firearm Safety is Serious

- Unauthorized use of Firearms leads to bad things
 - Suicides
 - Intentional shootings
 - Accidental shootings
 - Loss of your prized firearms

Final Thoughts

Firearm Safety is Serious

- Keep your firearms locked up
 - Don't brag to your friends about your awesome collection
 - Don't show off your parent's collection to your friends
 - Don't leave firearms in your vehicle

Final Thoughts

Firearm Safety is Serious

- Use your firearms safely
 - Respect your firearm like it's a deadly – because it is
 - Follow the 3 Fundamental Rules of Firearm Safety

NRA Gun Safety Rules

ALWAYS keep your gun pointed in a safe direction

ALWAYS keep your finger off the trigger until ready to shoot

ALWAYS keep your gun unloaded until ready to use

Final Thoughts

Firearms also Serve Many Purposes

- Sport Shooting is very enjoyable
- Many of us love hunting
- Protection from bad guys and animals
- Professional use
- Prized by many collectors

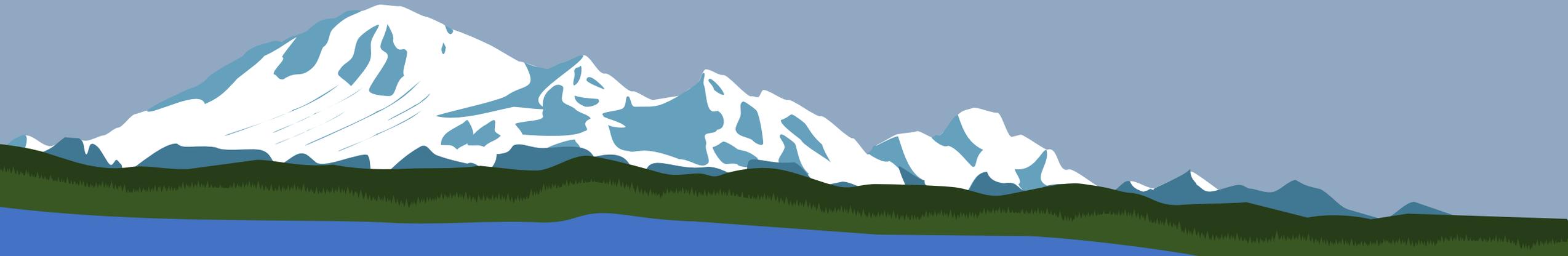
Final Thoughts

Looking for More?

- [NRA Training Courses](#)
 - NRA Basic Rifle Shooting Course
 - NRA Basic Shotgun Shooting Course
 - NRA Home Firearm Safety Course
- Some courses offer a BSA discount
 - Just ask
- Some Councils offer NRA courses
 - Chief Seattle has an excellent firearms program
 - Monthly classes
 - Shooting sports events



Resources



Resources

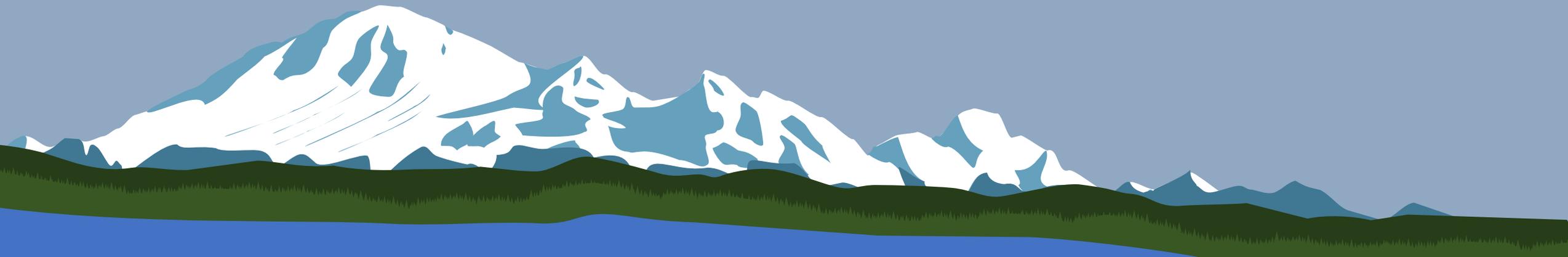
Resources

- [NRA Training Courses](#)
 - NRA Basic Rifle Shooting Course
 - NRA Basic Shotgun Shooting Course
 - NRA Home Firearm Safety Course
- [Chief Seattle Events Calendar](#) – look for Shooting Sports Classes/Events
- [Kenmore Range](#)- Excellent shooting courses and BSA discounts

1. Health, Safety, Requirements	13. Design, Drawing, Fundamentals
2. Health, Safety, CMAA	14. The Bridge
3. Safety	15. Drawing
4. Insurance	16. Structural Modules
5. Lanes	17. Final Thoughts
6. Structural Analysis	18. Assessment
7. The Structure	19. Instructor's Corner
8. Arrows	
9. Bridges	



Instructor's Corner



Instructor's Corner

Instructor's Corner

- Thank you for teaching our scouts this vital skill and helping them get their Shotgun Shooting Merit Badge.
- Just like shooting is all about attitude, so is instruction. The skills and methods taught at the NRA instructor courses are great and will work in person as well as online.
- This course can be used in conjunction with the NRA FIRST Steps SHOTGUN ORIENTATION program. Please review the NRA Instructors' Lesson Plans for specifics about the FSSOP and BSA Merit Badge Program.

Instructor's Corner

Virtual Instruction

- Just like shooting is all about attitude, so is instruction. The skills and methods taught at the NRA instructor courses are great and will work in person as well as online.
- This guide is designed to get scouts started on their merit badges. It gets them in the right mind set and they will be better able to succeed at the range.
- Obviously, some requirements can NOT be performed virtually.
 - Scouts will need to complete these requirements at a range with adequate supervision.
 - Skills learned virtually, can be reinforced and tested face-to-face

Instructor's Corner

Resources

- [BSA National Shooting Sports Manual](#)
- [NRA First Steps Shotgun Orientation Program](#)
- Talk to your Shooting Committee
 - Those guys have a ton of knowledge
- Talk to the Shooting Committee in other councils
 - Those guys may have some different perspectives on teaching
- [facebook.com/watch/live/?v=687038162083556](#) – One example

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