



Rifle Shooting Merit Badge Workbook

SCOUTMASTER BUCKY

Scouts participating in a Scoutmaster Bucky merit badge opportunity, whether online or in person, should consider using the Rifle Shooting merit badge pamphlet for discovery and knowledge, along with the class preparation pages for clarifications, insights, and expectations.

<https://scoutmasterbucky.com/merit-badges/rifle-shooting/rifle-shooting-pamphlet.pdf>

<https://scoutmasterbucky.com/merit-badges/rifle-shooting/rifle-shooting-cpp.pdf>

REQUIREMENT 1a: Explain what a projectile is.

Notes:

REQUIREMENT 1a: Explain why any device that shoots a projectile at high speed must be handled with care and respect, and used only in approved locations.

Notes:

REQUIREMENT 1b: Explain the basic rules of safe gun handling that apply to all firearms.

Notes:



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REQUIREMENT 1c: Describe how you would react if a friend visiting your home asked to see your or your family's firearm.

Notes:

REQUIREMENT 1d: Explain the need for, types, and use of eye protection and hearing protection.

Notes:



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REQUIREMENT 1e: Explain the main points of the laws for owning and using guns in your community and state.

Community:

State:

REQUIREMENT 1f: Explain how hunting is related to the wise use of renewable wildlife resources.

Notes:



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REQUIREMENT 1g: Successfully complete a state hunter education course, or obtain a copy of the hunting laws for your state, then do the following:

Be sure to bring the appropriate documentation to share with your counselor

This requirement must be reviewed with your merit badge counselor.

BE PREPARED!

REQUIREMENT 1g1: Explain the main points of hunting laws in your state, and any special laws on the use of guns and ammunition.

Main Points of State Hunting Laws:

Special State Laws for use of Guns or Ammunition:

REQUIREMENT 1g2: List the kinds of wildlife that can be legally hunted in your state.

Notes:



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REQUIREMENT 1h: Explain to your counselor the proper hygienic guidelines followed while shooting.

Notes:

REQUIREMENT 1i: Identify places in your community where you can join or be a part of range and target activities.

Notes:

REQUIREMENT 1j: Discuss with your counselor a list of sources you could contact for information on firearms and their use.

Notes:



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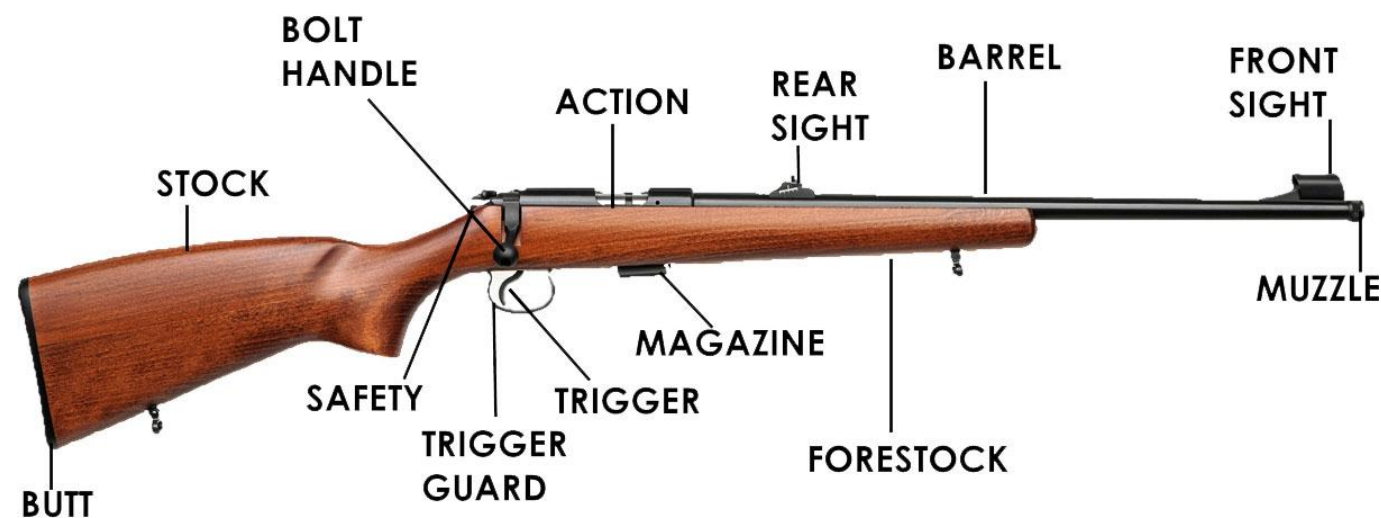
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REQUIREMENT 2: Working under the supervision of a certified National Rifle Association (NRA) Rifle instructor and a certified range safety officer, at a nationally authorized camp property or at a commercial firearm range (as defined in the Scouting America National Range and Target Activities Manual), do ONE of the following options:

DO ONE OF THE FOLLOWING (2A, 2B, or 2C) FOR REQUIREMENT 2

Requirement 2A - Rifle Shooting (Modern Cartridge Type) Option

REQUIREMENT 2aa: Identify the three main parts of a rifle, and tell how they.



Notes:

REQUIREMENT 2ab: Identify and demonstrate the rules for safely storing and handling a rifle.

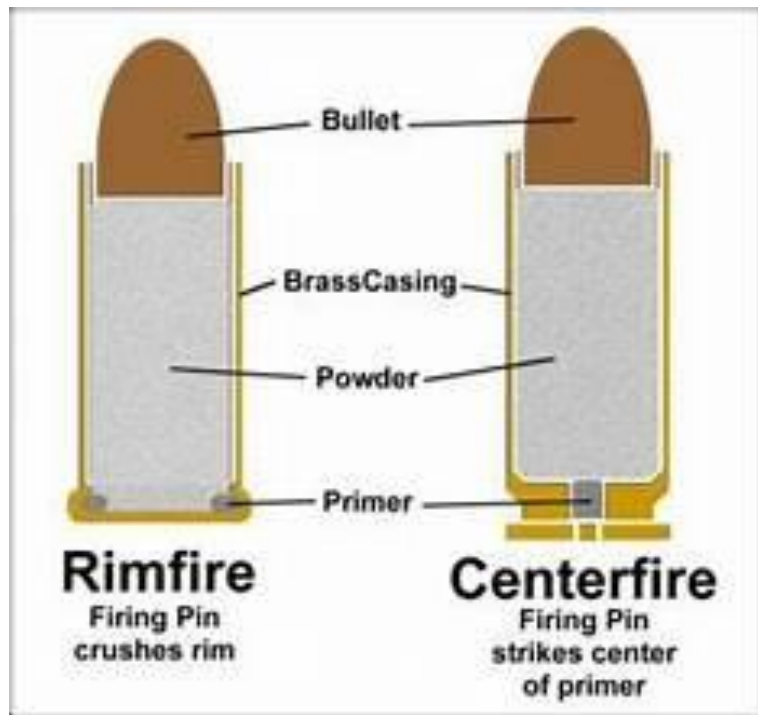
**This requirement must be reviewed with your merit badge counselor.
BE PREPARED!**

Notes:



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REQUIREMENT 2ac: Identify the two types of cartridges, their parts, and how they function.



Notes:

REQUIREMENT 2ad: Explain to your counselor what a misfire is and explain the procedures to follow in response.

Misfire:

**This requirement must be reviewed with your merit badge counselor.
BE PREPARED!**

Preventative measure and procedure to follow:



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REQUIREMENT 2ad: Explain to your counselor what a hangfire is and explain the procedures to follow in response.

Hangfire:

**This requirement must be reviewed with your merit badge counselor.
BE PREPARED!**

Preventative measure and procedure to follow:

REQUIREMENT 2ad: Explain to your counselor what a squib fire is and explain the procedures to follow in response.

Squib Fire:

**This requirement must be reviewed with your merit badge counselor.
BE PREPARED!**

Preventative measure and procedure to follow:



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REQUIREMENT 2a: Explain and demonstrate the five fundamentals of shooting a rifle: aiming, breath control, hold control, trigger control, and follow-through.

This requirement must be reviewed with your merit badge counselor.
BE PREPARED!

Aiming:

Breath Control:

Hold Control:

Trigger Control:

Follow-Through:



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REQUIREMENT 2af: Demonstrate the knowledge, skills, and attitude necessary to safely shoot a rifle on a range, including understanding and following range procedures and commands.

This requirement must be reviewed with your merit badge counselor.

BE PREPARED!

REQUIREMENT 2ag: Explain the basic safety rules for cleaning a rifle.

Notes:

REQUIREMENT 2ag: Identify the materials needed for cleaning a rifle.

Notes:

REQUIREMENT 2ah: Demonstrate how to clean a rifle properly and safely.

This requirement must be reviewed with your merit badge counselor.

BE PREPARED!



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REQUIREMENT 2ai: Discuss what points you would consider in selecting a rifle.

Notes:

REQUIREMENT 2aj: Using a bolt-action .22 caliber rimfire rifle, and shooting from a benchrest or supported prone position at 50 feet, fire five groups (three shots per group) that can be touched by a quarter. Using these targets, explain how to adjust sights to zero a rifle.

This requirement must be reviewed with your merit badge counselor.

BE PREPARED!

REQUIREMENT 2ak: Adjust sights to center the group on the target and fire five groups (five shots per group). In the event that your instructor determines it is not practical to adjust the sights—for instance, on a borrowed rifle—you may explain (rather than doing) how to adjust the sights, and then fire five groups (five shots per group) in which all shots can be touched by a quarter. According to the target used, each shot in the group must meet the following minimum score: A-32 targets: 9; A-17 or TQ-1 targets: 7; A-36 targets: 5.

This requirement must be reviewed with your merit badge counselor.

BE PREPARED!



Requirement 2B - Air Rifle Shooting (BB or Pellet) Option

REQUIREMENT 2ba: Identify the three main parts of an air rifle, and explain how they function.



Notes:



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REQUIREMENT 2bb: Identify and demonstrate the rules for safely storing and handling an air rifle.

This requirement must be reviewed with your merit badge counselor.

BE PREPARED!

Notes:

REQUIREMENT 2bc: Identify the two most common types of air rifle ammunition.

Notes:





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REQUIREMENT 2bd: Explain and demonstrate the five fundamentals of shooting an air rifle: aiming, breath control, hold control, trigger control, and follow-through.

This requirement must be reviewed with your merit badge counselor.

BE PREPARED!

Aiming:

Breath Control:

Hold Control:

Trigger Control:

Follow-Through:



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REQUIREMENT 2be: Demonstrate the knowledge, skills, and attitude necessary to safely shoot on a range, including understanding and following range procedures and commands.

This requirement must be reviewed with your merit badge counselor.

BE PREPARED!

REQUIREMENT 2bf: Explain the basic safety rules for cleaning an air rifle.

Notes:

REQUIREMENT 2bf: Identify the materials needed for cleaning an air rifle.

Notes:



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REQUIREMENT 2bg: Demonstrate how to clean an air rifle properly and safely.

This requirement must be reviewed with your merit badge counselor.

BE PREPARED!

REQUIREMENT 2bh: Discuss what points you would consider in selecting an air rifle.

Notes:

REQUIREMENT 2bi: Using a BB gun or pellet rifle and shooting from a benchrest or supported prone position at 15 feet for BB guns or 33 feet for pellet rifles, fire five groups (three shots per group) that can be touched by a quarter.

This requirement must be reviewed with your merit badge counselor.

BE PREPARED!

REQUIREMENT 2bj: Adjust sights to center the group on the target and fire five groups (five shots per group). In the event that your instructor determines it is not practical to adjust the sights—for instance, on a borrowed air rifle—you may explain (rather than doing) how to adjust the sights, and then fire five groups (five shots per group) in which all shots can be touched by a quarter. According to the target used, each shot in the group must meet the following minimum score: BB rifle at 15 feet (or 5 meters) using TQ-5 targets: 8; Pellet rifle at 25 feet using TQ-5 targets: 8; Pellet rifle at 33 feet (or 10 meters) using AR-1 targets: 6.

This requirement must be reviewed with your merit badge counselor.

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Requirement 2C - Muzzleloading Rifle Shooting Option

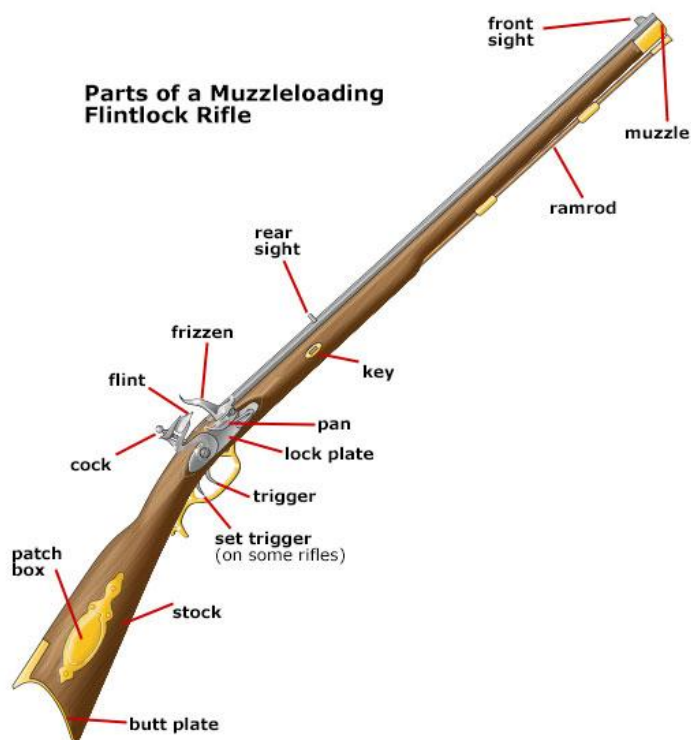
REQUIREMENT 2ca: Discuss with your counselor a brief history of the development of muzzleloading rifles.

Notes:

REQUIREMENT 2cb: Identify principal parts of muzzleloading rifles and discuss how they function.

Notes:

Parts of a Muzzleloading
Flintlock Rifle





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REQUIREMENT 2cc: Identify and demonstrate the rules for safely storing and handling a muzzleloading rifle.

This requirement must be reviewed with your merit badge counselor.

BE PREPARED!

REQUIREMENT 2cd: Identify the various grades of black powder and explain their proper and safe use.

Black powder are chunks of a dark gray to black powder. The size of the chunks is measured in "F"s. The finest powder is FFFg, the large lumps are called Whaling or Cannon Powder. The grain size is comparable to the screen mesh size of how many wires per inch are used to sift the powder. The higher the mesh number the smaller the opening. The "g" indicates the granules were tumbled with graphite to smooth and polish the edges. The larger the granules the slower the burn rate of the powder.

Notes:

Powder Grade	Mesh Size Per inch
Cannon	6 mesh
Fg	12 mesh
FFg	16 mesh
FFFg	20 mesh
FFFFg	40 mesh

REQUIREMENT 2ce: Discuss proper safety procedures pertaining to black powder storage.

Notes:

REQUIREMENT 2cf: Discuss proper components of a load.

Notes:



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REQUIREMENT 2cg: Identify proper procedures and accessories used for safely loading a muzzleloading rifle.

Notes:

REQUIREMENT 2ch: Identify the causes of a muzzleloading rifle's failure to fire.

Notes:



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REQUIREMENT 2ch: Explain what a misfire is then explain and demonstrate proper preventive measures, and the procedures to follow in response.

Notes:

REQUIREMENT 2ch: Explain what a hangfire is then explain and demonstrate proper preventive measures, and the procedures to follow in response.

Notes:



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REQUIREMENT 2ch: Explain what a squib fire is then explain and demonstrate proper preventive measures, and the procedures to follow in response.

Notes:

REQUIREMENT 2ci: Demonstrate the knowledge, skills, and attitude necessary to safely shoot a muzzleloading rifle on a range, including understanding and following range procedures and commands.

This requirement must be reviewed with your merit badge counselor.

BE PREPARED!

REQUIREMENT 2cj: Explain the basic safety rules for cleaning a muzzleloading rifle.

Notes:



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REQUIREMENT 2cj: Identify the materials needed for cleaning a muzzleloading rifle.

Notes:

REQUIREMENT 2ck: Demonstrate how to clean a muzzleloading rifle properly and safely.

This requirement must be reviewed with your merit badge counselor.

BE PREPARED!

REQUIREMENT 2cl: Discuss what points you would consider in selecting a muzzleloading rifle.

Notes:

REQUIREMENT 2cm: Using a muzzleloading rifle of .45 or .50 caliber and shooting from a benchrest or supported prone position, fire three groups (three shots per group) at 50 feet that can be covered by the base of a standard-size soft drink can.

This requirement must be reviewed with your merit badge counselor.

BE PREPARED!

REQUIREMENT 2cn: Adjust the sights to center the group on the target and fire three groups (five shots per group). In the event that your instructor determines it is not practical to adjust the sights—for instance, on a borrowed muzzleloading rifle—you may explain (rather than doing) how to adjust the sights, and then fire three groups (five shots per group) in which all shots can be covered by the base of a standard-size soft drink can. According to the target used, each shot in the group must meet the following minimum score: at 25 yards using NRA A-23 or NMLRA 50-yard targets: 7; at 50 yards using NRA A-25 or NMLRA 100-yard targets: 7.

This requirement must be reviewed with your merit badge counselor.

BE PREPARED!



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REQUIREMENT 3: Identify how you could apply the skills and knowledge of safe and responsible use of firearms you learned in this merit badge to pursue a career or personal hobby.

Notes:

REQUIREMENT 3: Research the additional training and experience you would need, expenses you may incur, and the affiliation with organizations that could help you maximize the positive impact and enjoyment you gain from it.

Training Requirements:

Experience Requirements:

Expenses:



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Affiliations/Organizations:

REQUIREMENT 3: Discuss what you learned with your counselor, and share what short-term and long-term goals you might have if you pursued this.

Notes: