Rifle Shooting

Merit Badge Workbook

This workbook can help you but you still need to read the merit badge pamphlet.

This Workbook can help you organize your thoughts as you prepare to meet with your merit badge counselor.
You still must satisfy your counselor that you can demonstrate each skill and have learned the information.
You should use the work space provided for each requirement to keep track of which requirements have been completed,
and to make notes for discussing the item with your counselor, not for providing full and complete answers.
If a requirement says that you must take an action using words such as "discuss", "show",
"tell", "explain", "demonstrate", "identify", etc, that is what you must do.

Merit Badge Counselors may not require the use of this or any similar workbooks.

No one may add or subtract from the official requirements found in Boy Scout Requirements (Pub. 33216 – SKU 637685).

The requirements were last issued or revised in 2017 • This workbook was updated in June 2017.

Scout's Name:_____ Unit: _____

Counselor's Name: _____ Counselor's Phone No.: _____

http://www.USScouts.Org • http://www.MeritBadge.Org

Please submit errors, omissions, comments or suggestions about this **workbook** to: Workbooks@USScouts.Org
Comments or suggestions for changes to the **requirements** for the **merit badge** should be sent to: Merit.Badge@Scouting.Org

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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. Demonstrate their proper use.

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d. Give 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. Obtain a copy of the hunting laws for your state. Explain the main points of hunting laws in your state and give any special laws on the use of guns or ammunition.

g. Identify and explain how you can join or be a part of shooting sports activities.

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

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

2. Do ONE of the following options:

☐ **OPTION A --- RIFLE SHOOTING (Modern Cartridge Type)**

a. Identify the three main parts of a rifle, and tell how they function.

b. Identify and demonstrate the three fundamental rules for safe gun handling.

☐ 1.	
☐ 2.	
☐ 3.	

☐ c. Identify the two types of cartridges, their parts, and how they function.

1.		
2.		

d. Explain to your counselor what a misfire, hangfire, and squib fire are, and explain the procedures to follow in response to each.

Misfire:	
Hangfire:	
Squib fire:	

Explain the procedures to follow in response to each.

Misfire:

Hangfire:

Squib fire:

e. Identify and demonstrate the five fundamentals of shooting a rifle safely.

- ☐ 1.
- ☐ 2.
- ☐ 3.
- ☐ 4.
- ☐ 5.

f. Explain to your counselor the fundamental rules for safe gun handling.

Explain each rule for using and storing a gun.

Identify and explain each rule for safe shooting.

☐ g. Explain the range commands and range procedures.

☐ h. Demonstrate the knowledge, skills, and attitude necessary to safely shoot a rifle from the bench rest position or supported prone position while using the five fundamentals of rifle shooting.

i. Identify the basic safety rules for cleaning a rifle, and identify the materials needed

☐ j. Demonstrate how to clean a rifle properly and safely.

☐ k. Discuss what points you would consider in selecting a rifle

☐ l. Using a .22 caliber rimfire rifle and shooting from a bench rest or supported prone position at 50 feet, fire five groups (three shots per group) that can be covered by a quarter. Using these targets, explain how to adjust sights to zero a rifle.

☐ m Adjust sights to center the group on the target* and fire five groups (five shots per group). According to the target used, each shot in the group must meet the following minimum score:

☐ 1. A-32 targets - 9

☐ 2. A-17 or TQ-1 targets - 7

☐ 3. A-36 targets - 5.

** Note: It is not always practical to adjust the sights (i.e. when using a borrowed fixed-sight rifle). For requirement 2l, you may demonstrate your ability to use the shooting fundamentals by shooting five shot groups (five shots per group) in which all shots can be covered by a quarter and then explain how to adjust the sights to zero the rifle used.*

☐ **OPTION B --- AIR RIFLE SHOOTING (BB or Pellet)**

a. Identify the three main parts of an air rifle, and tell how they function.

b. Identify and demonstrate the three fundamental rules for safe gun handling.

☐ 1.

☐ 2.

☐ 3.

☐ c. Explain the range commands and range procedures.

☐ d. Identify the two most common types of air rifle ammunition.

1.

2.

e. Identify and demonstrate the five fundamentals of shooting a rifle safely.

☐ 1.

☐ 2.

☐ 3.

☐ 4.

☐ 5.

f. Identify and explain each rule for shooting an air rifle safely.

☐ g. Demonstrate the knowledge, skills and attitude necessary to safely shoot a target from the bench rest position or supported prone position while using the five fundamentals of rifle shooting.

h. Identify the basic safety rules for cleaning an air rifle, and identify the materials needed.

☐ i. Demonstrate how to clean an air rifle safely.

j. Discuss what points you would consider in selecting an air rifle.

☐ k. Using a BB gun or pellet air rifle and shooting from a bench rest or supported prone position at 15 feet for BB guns or 33 feet for air rifles, fire five groups (three shots per group) that can be covered by a quarter.

☐ l. Adjust sights to center the group on the target and fire five groups (five shots per group). According to the target used, each shot in the group must meet the following minimum score:

☐ 1. BB rifle at 15 feet or 5 meters using TQ - 5 targets - 8.

☐ 2. Pellet air rifle at 25 feet using TQ - 5 target - 8,
at 33 feet or 10 meters using AR-1 targets - 6.

☐ **OPTION C --- MUZZLE - LOADING RIFLE SHOOTING**

a. Discuss a brief history of the development of muzzle-loading rifles.

b. Identify principal parts of percussion and flintlock rifles and discuss how they function.

c. Demonstrate and discuss the safe handling rules of muzzle-loading rifles.

d. Identify the various grades of black powder and black powder substitutes and explain their proper 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 loading a muzzle-loading rifle.

☐ h. Demonstrate the knowledge, skills, and attitude necessary to safely shoot a muzzle-loading rifle on a range, including range procedures.

☐ i. Shoot a target with a muzzle-loading rifle using the five fundamentals of firing the shot.

j. Identify the materials needed to clean a muzzle- loading rifle safely. Using these materials, demonstrate how to clean a muzzle loading rifle safely.

k. Identify the causes of a muzzle-loading rifle's failure to fire and explain or demonstrate proper correction procedures.

l. Discuss what points you would consider in selecting a muzzle-loading rifle.

☐ m. Using a muzzle-loading rifle of .45 or .50 caliber and shooting from a bench rest or supported prone position, fire three groups (three shots per group) that can be covered by the base of a standard-size soft drink can.

☐ n. Center the group on the target and fire three groups (five shots per group). According to the target used, each shot in the group must meet the following minimum score:

☐ 1. at 25 yards using NRA A-23 or NMLRA 50-yard targets - 7;

☐ 2. at 50 yards using NRA A-25 or NMLRA 100 yard targets - 7.

When working on merit badges, Scouts and Scouters should be aware of some vital information in the current edition of the *Guide to Advancement* (BSA publication 33088).Important excerpts from that publication can be downloaded from http://usscouts.org/advance/docs/GTA-Excerpts-meritbadges.pdf.
You can download a complete copy of the *Guide to Advancement* from http://www.scouting.org/filestore/pdf/33088.pdf.