St. Clair County 4-H

Shooting Sports



Rifle Projects BB Gun Air Rifle (Pellet)

CONTACT: Lori Warchuck 4-H Program Coordinator

St. Clair County MSU Extension 200 Grand River Avenue Suite 102 Port Huron MI 48060

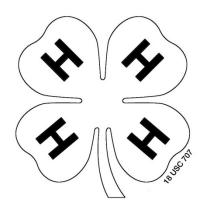
(810) 989-6935

Developed by:
St. Clair County
4-H Shooting Sports Committee

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4-H Basic Rifle Orientation



BB & Air Rifle

Name: _____

4-H Basic Rifle Orientation

BB & Air Rifle

<u>Range Officer</u> – is the person responsible for seeing the range is operated safely and for the safety of all participants/individuals.

<u>Range Commands</u> – are instructions given by the range officer to control those on the firing line, the sequence of events and to inform the shooters what they are to do next. These commands may vary slightly depending on the range officer and the type of shooting that is being done.

Key Range Commands:

Commence Firing, means that the range officer has determined that the range is safe and you may begin firing.

Cease Firing, means that you MUST STOP firing immediately, put your safety on and wait for the next command on what to do next. In some cases you will be instructed to unload your gun; this will be determined by the range officer on duty.

5 SHOOTING FUNDAMENTALS:

- 1. Position of body and body with Rifle
- 2. Sight alignment
- 3. Breath control
- Trigger control
- 5. Follow through

4 STEPS TO LEARNING A NEW POSITION:

- 1. Study the position
- 2. Practice the position without the rifle
- 3. Practice the position with an unloaded rifle
- 4. Align the position with the target and adjust to natural point of aim

Parts of a BB Gun & Air Rifle

3 Major Parts:

- 1. Action (Lock)
- 2. Stock
- 3. Barrel

Parts of Stock:

Butt – the rear portion of the stock which is desigtned to fit against the shoulder

Comb – the top portion of the stock, on which the shooter rests his cheek.

Grip – (also called the "pistol grip" or "small of stock") – the area where the hand grasps the stock when firing the rifle.

Fore-end (or "forearm") – the part of the stock that extends underneath the barrel. This is where the non-shooting hand holds the rifle to support it while shooting. When separate from the rear of the stock, it is called the "forearm".

Parts of the Barrel:

Bore - the inside of the barrel

Muzzle – the front end of the barrel where the bullet exits

Sights – used to aim the rifle

Front Sight – located at the muzzle end of the barrel

Rear Sight – sight that is most near you

Chamber – the part of the barrel which holds the pellet at instant of firing (air rifle only)

Rifling – Composed of spiral "lands and grooves" cut into the bore. The rifling makes the bullet spin to give it stability. (air rifle only).

Parts of Action:

Bolt – closes over the chamber to hold the pellet in place for firing (air rifle only)

Lever – handle used to cock the gun

Trigger – when squeezed. Activates the firing mechanism to fire the rifle

Trigger guard – designed to protect the trigger in order to reduce the possibility of an unintentional firing.

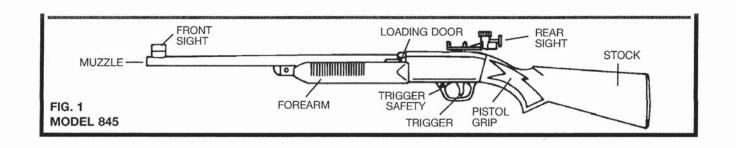
Safety – a mechanical device designed to reduce the chance of an unintentional discharge.

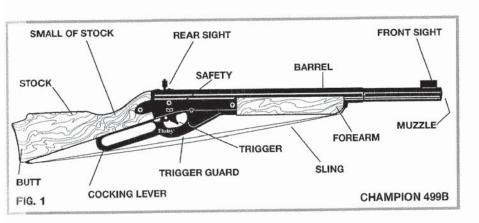
Mechanical devices can fail and must be used ONLY as a supplement to safe gun handling practices!

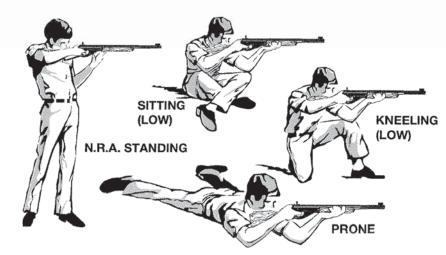
Optional:

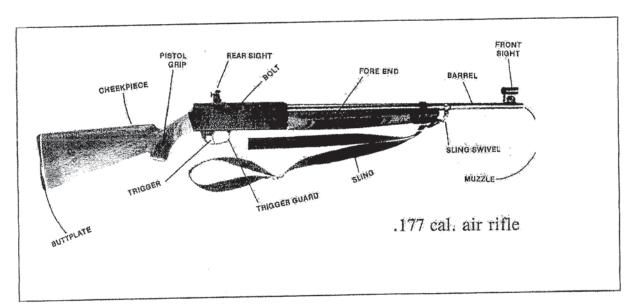
CO2 cartridge (on CO2 air rifle only)

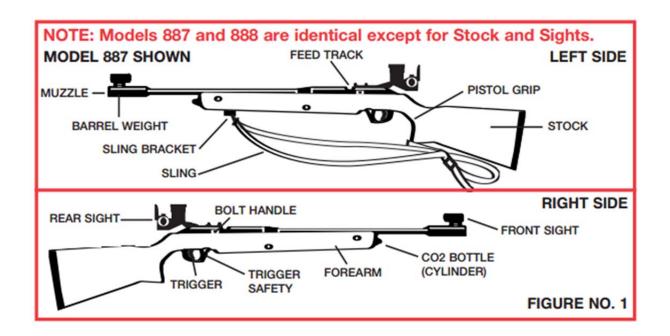
Compressed Air Tank (on compressed air rifles only)















Pellet BB's

Supplies You Will Need BB Gun and Air Rifle

NOW:

- Shooter log notebook
- A case to hold all equipment
- Safety glasses
- Wooden ammo block
- Ground cloth or shooting mat (for outdoor practices)
- Pencil
- Optional Binoculars or spotting scope
- Kneeling roll (air rifle only)
- Shooting stand (air rifle only)

LATER:

- Your own rifle
- Gun case
- Cleaning supplies like cotton patches, cotton cloth, oil, solvent, tooth brush
- Ammunition transport separate from your rifle. Note: It is illegal to transport your ammo in the same case that you transport your rifle.
- Open chamber indicator (can easily make)
- Talk to leaders before purchasing your own BB gun or air rifle so that you will not be disappointed. There are requirements that your equipment must meet in order to enter 4-H competitions.

TRANSPORT – all shooting equipment (firearms) in cases, unloaded and in the trunk; or furthest point away from passengers if you do not have a trunk. Ammunition is to be in it's separate container, NOT stored with firearms.

Safety Rules

YOU alone are responsible for gun safety! 10 NRA Safe Gun Handling Rules

RULES FOR SAFE GUN HANDLING

- **1.** Always keep the gun pointed in a safe direction. (NOTE: This rule is considered the "GOLDEN RULE".)
- 2. Always keep the gun unloaded until ready to use.
- 3. Always keep your finger off the trigger until ready to shoot.

RULES FOR SAFE RIFLE USE AND STORAGE

- 1. Know your target and what is beyond.
- 2. Know how to safely use the gun.
- 3. Be sure the gun is safe to operate.
- 4. Use only the correct ammunition for your gun.
- 5. Wear eye and ear protection as appropriate.
- 6. Never use alcohol or drugs before or while shooting.
- 7. Store guns so they are not accessible to unauthorized persons.

Be aware that certain types of guns and many shooting activities require additional safety precautions not listed above.

The first thing you should do when arriving at a new shooting range is to learn the range rules for that range.

ASK = Attitude * Skill * Knowledge

It is important to have the proper ATTITUDE, develop the SKILLS and acquire the necessary KNOWLEDGE to be a safe shooter. Each shooter must be in control of his/her emotions and actions at all times.

St. Clair County 4-H Shooting Sports Guidelines

Use 4-H Shooting Sports Rifle Manual as a guide to teach requirements

RIFLE KNOWLEDGE REQUIREMENTS							
	Ages 9 through 11	Ages 12 through 19					
Safe Gun Handling Rules	Memorize 3 "Always" Rules.	Memorize all 10 NRA Safe Gun Handling Rules and be able to explain the importance of each.					
Parts of the Rifle	Know: (Be able to point out) Stock Trigger Butt of Stock Trigger guard Forearm Rear sight Comb of stock Front sight Small of stock (pistol grip) Barrel	Know all parts previously listed and their function. ADD: Chamber Bolt/breech block Rifling Receiver					
	Safety (mechanical device) Muzzle Bolt and/or Lever, depending on gun used	Magazine					
Types of Rifle Actions	Introduce types of actions they will be using – Bolt, Lever, Break action, etc.	Know all action types and their function.					
Ammunition Basics	Know how they can be sure they are using the correct ammo & how to handle a misfire. Check correct ammunition: Malfunctions: Box, barrel and label Hang fire on ammo (except BB & pellets)	Know how they can be sure they are using the correct ammo in all types of guns. Know the firing sequence. Know how to safely handle a hang fire & misfire.					
Types of Sights and their uses.	Introduce all types of sights	Know all types of sights and their uses.					
Dominate Eye	Know how to determine their dominate eye and what their dominate eye is R or L introduce why they use their dominate eye	Know how to determine, what their dominate eye is and why it is important to use it					
Safe Gun Handling Practical Exercise	Show they can confidently handle rifle in a safe manner at all times; using the proper attitude.	Continue					
Transporting Firearms	Know and demonstrate they can properly transport firearms safely	Continue					
	SHOOTING FUNDAMENTAL REQ	UIREMENTS					
Range Safety Rules	Know importance of eye & ear protection	Continue					
Basic Range Commands	Know Terms and who can call them "Cease Fire" and "Commence Firing" Demonstrate that they can follow them.	Continue					
Sight Alignment & Trigger Control	Introduce on bench rest. Shooting for groups/clusters	Continue developing					
Sight Picture & Breath Control	Introduce on bench rest. Shooting for groups/clusters	Continue developing					
Sight Adjustment	Introduce shooting for groups and the basics or zeroing sights to their eye.	Know how to adjust sights to zero to their eye.					
Shooter's Log	Learn how to keep and the importance of using a shooters log.	Continue developing.					
Self-Control	Learn and demonstrate the proper knowledge, skills & attitude required to be a safe shooter.	Continue developing					
POSITIONS							
Bench Rest Position	Shooting for groups/clusters						
Standing Position	Shooting for groups/clusters						
Sitting Position	Shooting for groups/clusters						
Kneeling Position	Shooting for groups/clusters						
Prone Position	Shooting for groups/clusters						

St. Clair County 4-H Shooting Sports

Annual Rifle Project Participation Form

Shooter's Name:	4-H Age Beg. Jr. Sr.			
4-H Club Name:	Date Started Course:			
Certified Rifle Instructor's Name:	Phone:			
Equipment Used:				

Rifle Knowledge	Completion	Shooter's	Instructor's	
Requirements	Date	Initials	Initials	Comments
Safe Gun Handling Rules				
(any time a gun is handled)				
Parts of the Rifle				
And their functions				
Types of Rifle Actions				
and their operations				
Ammunition Basics				
Types of Sights and their uses				
Dominate Eye Exercise				Left or Right (circle one)
Transporting Firearms				
Safe Gun Handling				
Practice Exercise				
Rifle Knowledge			Certified 4-H Shooting Sports Instructor Signature:	
Verification				

Shooting Fundamental	Completion	Shooter's	Instructor's	
Requirements	Date	Initials	Initials	Comments
Range Safety Rules				
(Eye and ear protection)				
Basic Range Commands				
(Used to control range)				
Sight Alignment and				
Trigger Control				
Sight Picture and				
Breath Control				
Sight Adjustment				
Positions:				
Bench Rest				
Standing				
Sitting				
Kneeling				
Prone				
Self-Control				
Rifle Knowledge			Certified 4-H Shoot	ing Sports Instructor Signature:
Verification				

This form must be completed and signed by a Michigan 4-H Shooting Sports "Certified Rifle Instructor". The instructor must be registered with the St. Clair County 4-H Office. Completed forms must be presented to fair registrar each year.

By signing this form the instructor is verifying that the above named shooter has successfully completed the "4-H Basic Rifle Course" as outline in the National 4-H Shooting Sports Curriculum and the training provided has been in compliance with the Michigan 4-H Shooting Sports Program "Safety Practices and Policies" document.