



Shooting Sports Project Brief

Learning Objectives

- Practice the life skills of goal setting, self-discipline, decision making, communicating with others, planning and organizing and learning to learn.
- Understand and demonstrate firearms and archery safety.
- Learn the fundamentals of shooting and demonstrate your skill.
- Develop a personal environmental stewardship ethic through participation in shooting, hunting, and related activities.
- Practice sportsmanship and ethical behavior in competitive and recreational shooting.

Fair Projects (building)

- Educational poster about history of firearms
- Firearms and archery safety chart
- Pistol, shotgun, or rifle parts identification chart
- Powder horn and/ball bag (Muzzleloading)
- Wind indicator (target shooting)
- Gun cleaning stand/vice
- Ground quiver (archery)
- Target holder
- Pellet trap/backstop
- Pellet, BB, or cartridge holder

Demonstration Ideas

- Fletching an arrow
- How targets are scored
- Basics of muzzleloading
- The four positions of competitive rifle shooting
- Proper cleaning of a shotgun(or rifle or muzzleloader)
- Reloading*
- Selecting the right sights for the task
- Ten Steps to the X Ring (archery)

Field Trips

- Observe high level competitive shooting event, such as the Bianchi Cup, State High Power match, state Junior Olympics, etc.
- Tour a shooting related manufacturing plant or business – such as Sierra Bullets, Midway USA, Lee's Archery, etc. See how it operates.
- Visit a large sporting goods retail store.
- Visit a Missouri Department of Conservation Nature Discovery Center
- Shoot at a sporting clays course

Ideas for Speech Topics

- Why Hunting Regulations?
- What the 2nd Amendment Means to Me
- Safety, First and Always!
- Role of Firearms in American History
- Why I Hunt
- What is True Conservation?

Critical Thinking

- What is the proper technique of the four positions of a rifle shooting?
- What are three cardinal safety rules of firearms? Why are they so important?
- What are the appropriate cleaning procedures for a muzzleloader compared to a modern firearm?
- What is my maximum distance for an ethical shot at a game animal? How does that vary with conditions?
- What is the criterion for choosing a bow that is appropriate for you?
- When missing the clay targets, what fundamentals do I need to review?

Community Service

- Clean up a public shooting range.
- Donate your deer to those in need through Share the Harvest or local programs.
- Volunteer to assist with a handicap hunt.

Science & Technology

How do you use Science and Technology in this project area?

Examples:

- Understanding/applying the science of optics in selecting binoculars or telescopic sights.
- Trajectory of bullet/arrow flight
- Ballistics

***Safety Reminder** for projects and demonstrations:

Never use live ammunition or real gun powder!

- Corn meal, coarse ground pepper, or other products should be substituted for powder in demonstrations or exhibits.

Show Me Character

Trustworthiness - includes honesty, promise keeping and loyalty.

- follows all rules and meets all requirements
- adheres to safety precautions

Respect - includes courtesy and proper treatment of people and things.

- proper handling and care of fire arms
- listens to and follows advice of advisors

Responsibility - includes the pursuit of excellence, accountability and perseverance.

- adheres to deadlines for entry forms and for arrival at shooting sports events
- practices regularly to improve skill level

Fairness - involves consistently applying rules and standards appropriately for different age groups and ability levels.

- use only approved firearms and supplies

Caring - promoting the well being of people and things in a young person's world. It denotes action and not just feelings.

- Picks up after self and keeps the range clean

Citizenship - includes making the home community and county a better place to live for themselves and others.

- winning and losing with grace
- assist instructors at shooting sports events and project meetings
- mentor younger members

Show Me Standards

Missouri 4-H members will acquire the knowledge and skills to gather analyze and apply information and ideas, communicate effectively, recognize and solve problems, make decisions and act as responsible members of society.

4-H members will acquire a solid foundation which includes knowledge of:

- **Science** – Changes in ecosystems and interactions of organisms with their environments and properties and principles of force and motion
- **Social Studies** –The use of tools of social science inquiry(such as surveys, statistics, maps, documents)

Resources

740 Shooting Sports Safety

741 Archery

742 Air Rifle (BB and/or Pellet)

743 Smallbore Rifle - .22 cal

Y7405 Shooting Sports Project Record

744 Air Pistol

745 Shotgun

Age guidelines: 11 years of age and older

747 Smallbore Pistol

Guidelines: 14 years of age and older, minimum 1 year experience in 744 Air Pistol, written parental permission, smallbore pistol certified leader

748 Muzzleloading

Age guidelines: 11 years of age and older

Prerequisite: recommend at least one year participation in 742 Air Rifle or 743 Small-bore Rifle

749 Hunting and Outdoor Skills

All Shooting Sports projects use Y7405 Shooting Sports Project Record

Missouri 4-H Shooting Sports Project

<http://4h.missouri.edu/go/projects/shootingsports/>

To Order

Extension Publications online at <http://extension.missouri.edu/explore/shop/> or by phone at 1-800-292-0969