

Kalamazoo County Archery Educational Project Guidelines

Final – 9/1/17

Learning Targets:

- Learn basic fundamentals of archery and range safety.
- Learn archery terminology and steps to shooting a bow.
- Increase general knowledge of different types of bows, arrows, targets and their usage.
- Increase skills and performance through participating in 4-H archery practices and competitions under the direct supervision of a certified 4-H Archery Instructor and Leader/Volunteer.
- Completion and exhibition at fair, of an annual educational archery project (still exhibit) which includes completing requirements for a poster, notebook, or other Instructor/Leader approved independent project.

Educational Archery Project Guidelines:

Notebook: Must include a title page with member's name, 4-H age (as of January 1st), year in project, and short personal story describing the member's archery experiences and/or related project goal/s for that year. Notebooks must include content related to **all of the** objectives listed under each year's requirements (unless otherwise approved by 4-H Instructor/Leader). Notebooks may be cumulative with member adding info year-to-year, but must be organized and separated by year with a divider or tab. Only the current year's content will be judged towards receipt of fair or county awards/ribbons. Unoriginal illustrations or information used by member should be referenced or cited within their notebook by including the book/article title, author's name, and/or website address. Members are encouraged to make their notebook creative and personal. A notebook could be a 3 ring binder or scrapbook style presentation book. Member may choose to decorate the cover. Pictures or illustrations are encouraged if they are related to the objectives or content requirements. Personal pictures of member (not related to objectives/content) should be very limited, with only 1 or 2 personal pictures being included in the member's personal story or title page.

Poster: Must include a title or heading and focus on content related to **at least one** of the objectives listed under each year's project requirements. Member may choose to include more than one objective within their poster display, but are not required to do so. The content or quality of information included (details) being presented by the poster should be a reflection of the member's level of archery knowledge and years or level of experience in the archery project. Unoriginal illustrations or information used by member should be referenced or cited within or on the back of their poster by including the book/article title, author's name, and/or website address. Poster must include on front; member's name, 4-H age (as of January 1st), and year in project. A poster should be creative, be visually appealing, and well-constructed.

Independent Project Approved by Instructor/Leader: This project option is for members who have participated in the archery project for a minimum of three years (Cloverbud years do not apply). Independent project must be related to archery and must be requested in writing by member and pre-

approved (signed) by instructor/leader. Member's written request shall include their name, current year in project, and summary of independent project being requested. This written request and instructor/leader approval signature to complete an independent project, should be retained by the member, and presented to the still-exhibit project judge, upon judge's request. This will be how the judge knows the member's independent project was pre-approved. Unoriginal illustrations or information used by member should be referenced or cited within their independent project or project record form by including the book/article title, author's name, and/or website address. *(Examples of an Independent Project May Include: 3D target re-filling/repair/painting, making your own bow stand/arrow quiver/arrows, displaying a Native American arrowhead collection, putting together an archery equipment box with repair tools and replacement materials, conducting an archery related experiment including collection and reporting of data, hunter/archery safety project, etc...)*

Cloverbud Years 1-4: *(Choose One – Complete a Different Project from List Below Per Cloverbud Year.)*

- Create a poster including your name, 4-H age (as of January 1st), and a short personal story summarizing your archery experiences during the year. Be sure to include pictures of you from practices/fundraisers/etc...
- Create a poster including name, 4-H age (as of January 1st), and list a minimum of 5 things you've learned about archery this year. Be sure to include pictures of you from practices that relate to what you've learned.
- Create a poster including your name, 4-H age (as of January 1st) that relates to one of the objectives listed below under "First Year".
- Design and make a simple arrow quiver out of craft or recycled materials found in your home. (Ex: mailing tubes, cardboard, duct tape, string, fabric, paint, patterned paper, rhinestones, glitter, beads, keychain rings/clamps, etc...)

First Year:

- Personal story including your archery experience and/or goals (does not apply to poster).
- Draw or label parts of a bow for both compound and recurve.
- Summarize arrow types (material used) and basic parts of an arrow.
- List safety and shooting equipment (arm guards, gloves, trigger releases...) and describe what each is used for.
- Explain or list what different whistle commands are used by the instructor on the shooting range and their meaning.

Second Year:

- Updated personal story (does not apply to poster).
- List 10 safety tips for procedures at the shooting range or 3-D course.
- Describe and list the steps to shooting from start to finish.
- Summarize and/or illustrate proper "T" shooting form and describe common form errors an archer may exhibit.

- Anchor point what is it and why is it so important.

Third Year:

- Updated personal story (does not apply to poster).
- Describe what you do to care for and legally store/transport your bow and arrows.
- Summarize tools used and basic set up of your bow type (compound or recurve).
- Compare and contrast compound and recurve bows, summarize or list how they are alike and different.
- Summarize the different classes and related bow or equipment requirements for 4-H Open Class, Sighted Class, and Unsighted Class.

Fourth Year:

- Updated personal story (does not apply to poster).
- Summarize or illustrate through a timeline the history or evolution of archery.
- Research and summarize arrow design and characteristics (speed VS accuracy).
- What are the different bow string materials and how are they used.
- Summarize the process and equipment/materials used to replace arrow fletchings or vanes.
- Summarize different arrow points/tips, grains, and their different uses.

Fifth Year:

- Updated personal story (does not apply to poster).
- Select and write a summary about a local, state, or national archery association (not 4-H).
- Explain the science of archery (ballistics).
- Keep a record of your archery target or 3-D score/s for at least one month. (make sure to shoot and score the same number of arrows per practice) Then create a table or graph/chart to organize the data you collected. Write a short summary based on your data, is there a pattern, are there other factors (form errors, equipment issues, etc...) that may have influenced your scores to be random or up/down, etc...

Sixth Year+:

- Work with the 4-H Archery Instructor/Leader following independent project procedures.
 - Independent projects may include adding to the member's existing notebook.