

2021

State 4-H Shooting Sports

Fall Match Rules

Approved: April 2021

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GENERAL RULES

IT IS THE SHOOTER'S RESPONSIBILITY TO KNOW THE RULES!!!

All disciplines will be following the governing body of that discipline and as facilities will allow.

Disqualification will occur if there is any violation of these rules.

Ear and Eye protection will be required as needed by each discipline.

All firearms must be in a case when being transported (except shotgun).

AWARDS

Awards will be given to the top 5 Senior and top 5 Junior individuals where applicable, and the top 3 teams in every discipline and class.

Any awards and targets not picked up at the end of the match will be sent out through K-State Research and Extension channels from the State 4-H Office. Results will be posted on the 4-H website at the Kansas 4-H Shooting Sports results page.

AGE REQUIREMENTS

Shooters must be 9 years old 4-H age unless otherwise indicated.

Juniors are 13 and under;

Seniors are 14-18 unless otherwise indicated.

All 4-H ages are before Jan. 1, 2021.

KANSAS 4-H CODE OF CONDUCT WILL BE FOLLOWED (See Kansas 4-H Participation Form).
ONE WARNING WILL BE GIVEN. A SECOND OCCURRENCE OF AN INFRACTION WILL RESULT IN AUTOMATIC DISQUALIFICATION.

RULE BOOKS

NRA (800)-336- 7402 (Small Bore Pistol, Small Bore Rifle, and Silhouette)

NMLRA (812) 667-5131 (Muzzle loading)

FITA (719) 866-4576 (Archery)

IBO (440) 967-2137 (Archery)

ATA (937) 898-4638 (Shotgun)

NSSA (210) 688-3371 (for Skeet)

NCSA (210) 688-3371 (Sporting Clays)

MATCH REGISTRATIONS

All registrations must go through the discipline instructor to verify eligibility and then to the Extension Unit's 4-H Shooting Sports Coordinator. Coordinators will submit one registration for their unit to the State 4-H Office through an online registration system. The Shooting Sports Match Committee, along with the State 4-H Shooting Sports Program Coordinator, will verify that all entrants have qualified to participate in the state match.

TEAM DESIGNATIONS

At all state matches, all teams must be declared and confirmed at the check-in table before any team member begins competition.

NATIONAL TEAM SELECTIONS

Teams representing Kansas 4-H Shooting Sports at the National 4-H Shooting Sports Invitational Match will be chosen based on placing at the state match. The top ten eligible youth will receive a letter from the National Match Team Coordinator(s). To aid in the selection of National teams in all disciplines a check box will be included on the state registration form that notates if the youth has an interest in going to 4-H Nationals for the National Match Team Coordinator in the event that there is a need for selection outside of the top 10. If needed, replacement members for the Kansas team to the National 4-H Shooting Sports Invitational Match will be offered to the next eligible 4-Her after discussion with the discipline coach and state representative, consistent with National policy.

In archery, once the list of interested Sr. youth has been exhausted, the match coordinator will select from the eligible 13 year olds based on 30 meter FITA and 3D combined scores.

QUALIFYING EVENTS

1. All qualifying events must submit a *Request to Host Form, Match Bulletin, and Match Registration Form* to be approved by the state match committee a **minimum of 30 days prior** to the match or qualifying shoot being held.
2. Match Registration Forms **MUST** include at least 2 signature lines, an Extension Agent / Coordinator signature, and a Discipline Instructor signature for each discipline youth may compete in. Example template forms are available on the Shooting Sports website.
3. Qualifying events are not required to be a competitive match as long as the current state match rules are used to shoot for score.
4. All scores sent in must be approved by the local Shooting Sports Coordinator/Extension Agent and respective Discipline Instructor. **Please send in ALL scores, both qualifying and non-qualifying.** Scores must be submitted in an excel document that includes name, county, date of birth, score and class. These scores must be sent to the State 4-H Shooting Sports Program Coordinator within 7 days of the qualifying match.
5. Pre-shot targets will not be allowed for a qualifying score for the state match.
6. The match bulletin and registration form will be posted on the Shooting Sports website for all qualifying events.
7. Refer to the Kansas 4-H Shooting Sports Handbook.
8. When requesting to host a spring discipline-qualifying match, the date of the match must be after the last fall state match, and when requesting to host a fall discipline-qualifying match, the date of the match must be after the spring state match.

A yearly review of qualifying scores for each discipline by the State 4-H Match Committee is to occur.

FALL MATCH – Archery

Fall matches held after Oct. 1 are included as part of the previous 4-H year.

ARCHERY

Age requirements: 4-H Age 9-13 before Jan. 1, 2021 = Juniors
4-H Age 14-18 before Jan. 1, 2021 = Seniors

Teams must be designated before state match, 2 members.

There can be a team designated for each event; Barebow, Olympic, Bow-Hunter, and Open.

Team scores will be calculated by adding the 30 meter FITA and Trail Archery scores together for the team score. Teams may be composed of junior and senior shooters.

With the exceptions noted in this document, our rules will follow the World Archery rulebook for FITA competition. National Field Archery Association and IBO rulebooks for the Trail Archery competition. The following rules/guidelines are provided to clarify procedures to be followed at all 4-H archery events and to provide uniformity in 4-H archery throughout Kansas. FITA, IBO and NFAA rules were used as guides along with input from the Archery Steering Group Members. These rules are not all inclusive of all the rules. Should more clarification be needed contact Archery Steering Group Chairman Dan Mosier II at 620-687-0643 or danmosierii@gmail.com and he will consult with the Archery Steering Group for further clarification.

- Wood arrows will be allowed for Recurve Bare Bow and Olympic Classes only.
- No Broadheads allowed.
- Arm guard protection is required for **ALL** classes.
- Gloves or finger tabs are required for any archer using a finger release.
- Draw weight is not to exceed 60 lbs. in all classes.
- Field glasses maybe used to spot arrows provided they do not represent any obstruction to other athletes. Rangefinders are prohibited.
- Prescription spectacles, shooting spectacles and sunglasses may be used. None of these may be fitted with micro-hole lenses, or similar devices, nor may they be marked in any way that can assist in aiming.

All archers are to demonstrate *good sportsmanship*, i.e. Respect, no disruptive actions or talking, etc.

FITA Course of Fire:

4 ft. FITA targets: Shoot 24 arrows **outdoors** at a state match committee approved event.

Practice will consist of 6 arrows at 40 meters for Seniors and 6 arrows at 30 meters for Juniors prior to competition. More practice time may be used if time permits. However more practice is optional.

Archers will have a total of 4 minutes to shoot each 6 arrow ends. 2 minutes is allowed to look for lost arrows after each end.

Juniors: 12 arrows at 30 meters and 12 arrows at 20 meters.

Seniors: 12 arrows at 40 meters and 12 arrows at 30 meters.

ARCHERY (continued)

FITA Course of Fire: (continued)

It is strongly recommended that there be a buffer/dead zone of at least 10 meters behind the ready line to separate parents/spectators from the firing line. While an archer is on the shooting line there should be no coaching by anyone, i.e. parents, leaders, fellow archers.

Archers will score their own targets with their lane partner. (see math note below)

All forms of electronic communication are prohibited. (Article F 4.E)

Qualifying scores required:

Recurve – Bare Bow	: 100 out of a possible 240
Recurve – Olympic	: 140 out of a possible 240
Compound – Bow Hunter	: 180 out of a possible 240
Compound – OPEN	: 200 out of a possible 240

Archers must qualify at a state match committee approved event in each class they wish to shoot at the state match. An archer may only shoot two classes at the 4-H State Match due to time restraints. If an archer qualifies in all four classes, they must choose which two they wish to shoot.

Whistle commands strongly recommended to be used for the FITA competition:

2 whistle blows	= to the line and ready, feet straddling the line (arrows are in the quiver)
1 whistle blow	= you may nock and release arrows per end
3 whistle blows	= proceed to scoring line, score targets and remove all arrows
4+ whistle blows	= immediately stop shooting. <u>There is an unsafe condition!</u>

Archers may not raise the bow arm until the signal to start shooting is given by the Range Officer. Except for competitors with disabilities, archers shall shoot from a standing position and without support, with their body above the shooting line.

The Range Officer shall be advised if an archer, when drawing back the string of his or her bow, uses any technique which, (sky drawing) in the opinion of the judges, could allow the arrow, if accidentally released, to fly beyond a safety zone or safety arrangements (overshoot area, net, wall etc.) If an archer persists in using such a technique, they shall, in the interest of safety, be asked by the Chairperson of the Tournament, Jury or the Range Officer to stop shooting immediately and to leave the field.

NON-SHOT ARROW – When any part of the arrow is still within the 3 meter area in front of the firing line it is considered a non-shot arrow. A dropped arrow at the firing line will not be picked up and reshot. It is also considered a non-shot arrow.

Always carry extra arrows in your quiver.

On rare occasions an archer drops an arrow (due to a nock breakage or some other reason), or shoots an arrow into the 3 meter area in front of the shooting line when in the process of letting down, etc.

- A.) If the archer feels confident that no other equipment failure has occurred, and is sure part of the arrow shaft is within the 3 meter area, the smoothest action is to just shoot another arrow, if an arrow is available in the quiver, **however they must NOT step forward in front of the shooting line to pick up any arrow.**

ARCHERY (continued)

FITA Course of Fire: (continued)

- B.) If the archer knows they will have a time problem or does not have another arrow at hand to shoot or is unsure if the arrow is within the 3 meter area or not, they may take a step back and call a judge, explaining the situation. The judge will then handle the incident as an equipment failure, and at the expiry of that end, if needed, the other archers will be held back, and the situation will be handled. The archer will have 40 seconds per arrow to shoot any un-shot arrows of that end before all archers are permitted to go forward to the targets for general scoring.

Neither the arrows nor the target face shall be touched until the value of all the arrows on that target face have been recorded.

SCORING – An arrow shall be scored according to the position of the shaft in the target face. If the shaft of an arrow touches two colors, or touches any dividing lines between two scoring zones, that arrow shall score the higher value of the two zones involved. If more than the required number of arrows should be found in the target butt or on the ground near the butt, or in the shooting lanes, only the lowest 6 in value shall be scored. Athletes or teams found to repeat this offence may be disqualified. If a fragment of a target face is missing, including the dividing line or where two colors meet, or if the dividing line is pushed aside by an arrow, then an imaginary circular line shall be used for judging the value of any arrow that hits such a part. All arrow holes in the scoring zone shall be suitably marked by the athletes every time the arrows are scored and removed from the target face. Arrows embedded in the butt and not showing on the face can only be scored by a judge.

PASS THROUGH – An arrow hitting the target butt and passing completely through the butt, provided all arrow holes have been marked and provided an unmarked hole can be identified, shall score according to the value of the unmarked hole in the target face.

An arrow embedding itself into another arrow shall score the same value as the arrow struck.

An arrow deflecting into the target face shall score as it lies in the target face.

An arrow deflecting or bouncing off another arrow and landing on the ground, shall score the value of the struck arrow, provided the damaged arrow can be identified. (FITA Judges Guidebook 4.11)

A missed arrow shall be recorded as “M” on the scorecard.

An arrow hitting a target face other than the archers own target face shall be considered a miss.

No archer shall occupy the shooting line except when the appropriate signal has been given.

When an archer has shot all arrows in an end he will back up away from the line and rack his bow if possible and wait for the whistle commands to proceed with scoring and removal of arrows. The archer will remain behind the line and be respectful of others still shooting.

The Ranger Officer will deem the area around and behind the targets safe and all arrows have been removed from the targets after each end and before the next end begins.

Archers will score their own targets with their lane partners. Archers will sign and check each lane partners score card.

Math will be verified in the tabulation room. Errors in math resulting in a higher score than the correct score will be adjusted downward. Scores will NOT be adjusted upward due to incorrect math.

ARCHERY (continued)

Trail Archery Course of Fire

Trail Archery will include 3-D targets and Field Archery targets. Trail Archery event rules will use the current IBO rulebook as the underlying set of rules for Field Archery **EXCEPT** as indicated below.

Juniors and Seniors will shoot one shot at each of 15 3-D targets and two shots at each of 5 Field Archery targets. Distance to targets, target size, and target arrangement will be determined by the Range Officer and will vary from station to station. Field Archery targets will be shot from specified distances, 3-D target distance will not be specified. Each archer, regardless of age division or bow class, will shoot from the same firing point at each station. In Field Archery, target faces will be set on butts and there may be more than one butt per station or more than one target face per butt. When there are multiple target faces, the Field Archery targets will be identified as to age division or bow class as determined by the Range Officer.

For those who shoot the Trail Archery course of fire first, archers will have the opportunity to shoot six practice arrows on the FITA range at 30 meters as a group and then go directly to the Trail Archery range.

Unless otherwise stated at the match, range commands will be by voice as follows:

- (1.) Archer to the firing point/stake
- (2.) You may nock and release 1 arrow.
- (3.) You may score
- (4.) and then retrieve your arrows.

When there is more than one archery at a station, there will be only one archer shooting at a time per station. Archers will rotate their shooting order. If you shot first at the first target you will shoot last at the next target and so on. Archers will have 2 minutes per shot.

Arrows must stick in the target for a score to count in both 3-D and Field Archery, in all age divisions and bow classes.

SCORING

3-D Scoring will be the innermost ring/zone is scored as 11 points, the next is scored as 10 points, next as 8 points and anything else sticking in the foam is 5 points. Field Archery will be scored as follows by the color change bands on the face. 5 points for the inner color, 4 points for the next color, and 3 points for the outer color. Arrows falling outside of the 3rd color band will score zero. Any arrows within the "X" ring on the center color will score 5 points and will be noted on the score card with an "X". These X's will be used as tie breakers.

Ties will be broken in the Trail Archery event by number of X's on the Field targets first and score on pre-designated (but unknown to archers) 3-D targets second.

For 3-D targets, Kneeling position is allowed.

Bounce in or skip hits do not count for score.

Archers will be given maximum time of two minutes to complete each shot. If the range officer sees that an archer is taking too much time to release an arrow the archer will be warned. A second warning will be a shot at a target taken away and a score of 0 will be given for that shot. The third warning given will be a 0 taken on the remainder of the targets.

Regular binoculars allowed to check for shot placement **before** the shot is taken, but not to check for scoring after the shot. (Page 6, Article IV A. 5.C)

Rangefinders **are prohibited** on the shooting line at all times. If you are found with a rangefinder on your person you will be disqualified. (Page 9, Article IV C.1)

Archery Bow Classes in 3-D will coincide with the 4 FITA classes. Recurve – Bare Bow, Recurve – Olympic, Compound – Bow Hunter, and Compound – Open.

Archers will score their own targets with their lane partner. (see math note on page 7)

Please act with dignity and respect for other archers while they are shooting and you are waiting your turn. You should observe the archer to verify shot placement, such as bounce in, skip hits, and pass through. Talking should be kept to an extreme minimum while others are shooting. There should be no discussion of yardage of targets at any time on the 3D range or with someone who hasn't shot the 3D range.

EQUIPMENT:

Recurve – Bare Bow:

A bow of any type provided it complies with the common meaning of the word “bow” as used in target archery, that is, an instrument consisting of a handle (grip), riser (no shoot-through type) and two flexible limbs each ending in a tip with a string nock. The bow is braced for use by a single string attached directly between the two string nocks, and in operation is held one hand by its handle (grip) while the fingers of the other hand draw and release the string.

Any moveable pressure button, pressure point or arrow plate may be used on the bow provided they are not electric or electronic and do not offer an additional aid in aiming.

Whisker Biscuits are NOT permitted.

One draw check indicator, audible and or visible may be used provided it is not electric or electronic.

Finger protection in the form of gloves or shooting tabs to draw and release the string is required, however they cannot incorporate any device that shall assist the athlete to draw and release the string.

Recurve – Olympic:

A bow of any type provided it complies with the common meaning of the word “bow” as used in target archery, that is, an instrument consisting of a handle (grip), riser (no shoot-through type) and two flexible limbs each ending in a tip with a string nock. The bow is braced for use by a single string attached directly between the two-string nock, and in operation is held in one hand by its handle (grip) while the fingers of the other hand draw and release the string.

A “kisser” button is permitted.

One draw check indicator, audible and or visible may be used provided it is not electric or electronic.

Any moveable pressure button, pressure point or arrow plate may be used to measure draw length on the bow provided they are not electric or electronic and do not offer any additional aid in aiming.

Whisker Biscuits are permitted.

A bow sight is permitted, including multiple pin sights. It shall not incorporate a prism, lens, or any other magnifying device, leveling, electric or electronic devices.

The overall length of the sighting circle or point (tunnel, tube, sighting pin or other corresponding extended component) shall not exceed 2 cm in the athlete's line of vision. A sight may be attached to the bow for the purpose of aiming and which may allow for windage adjustment as well as an elevation setting.

ARCHERY (continued)

Recurve – Olympic (Continued)

A bow sight is permitted, including multiple pin sights. It shall NOT incorporate a prism, lens (magnifying or non-magnifying), leveling device, electric or electronic devices.

The overall length of the sighting circle or point (tunnel, tube, sighting pin or other corresponding extended component) shall not exceed 2 cm in the athlete's line of vision. A sight may be attached to the bow for the purpose of aiming and which may allow for windage adjustment as well as an elevation setting.

The sight is subject to the following provisions:

- A bow sight extension is permitted.
- A plate or tape with distance markings may be mounted on the sight as a Guide for marking but shall not in any way offer any additional aid.
- The sight point may be a fiber optic sight pin.
- The total length of the fiber optic pin may exceed 2cm, provided that one end is attached outside the athlete's line of vision at full draw, while the part within the athlete's line of vision does not exceed 2cm in a straight line before bending.
- The fiber optic pin is measured independently of the tunnel.

Stabilizers and torque flight compensators on the bow are permitted; they may not serve as a string guide or touch anything but the bow. They should not contact the archer's body for stability.

Finger protection in the form of gloves or shooting tabs to draw and release the string are required, however they cannot incorporate any device that shall assist the athlete to draw and release the string.

Compound – Bow Hunter: (Article V C 1 page 13)

A Compound Bow, which may be of a shoot-through type riser, is one where the draw is mechanically varied by a system of pulleys or cams. The bow is braced for use by bowstring(s) attached directly to the cam, string nocks of the bow limbs, cables or by other means as may be applicable to the design.

A "kisser" button is permitted.

A bowstring of any type which may include multiple serving/s to accommodate nocking points and include other attachments such as a lip or nose mark, a peep-hole, a peep hole 'hold-in-line' device, loop bowstring, etc. is permitted.

Draw check indicators, audible and/or visual may be used.

A bow sight with single or multiple sighting pins may be attached to the bow and may also incorporate a leveling device. Pins should be set to archer's target distances before entering range. Archers in the Bow Hunter Class may adjust their sights after their practice arrows, however, **NO SIGHT ADJUSTMENTS ALLOWED ONCE RECORD SHOTS BEGIN.** The bow device may not project any visual light or laser down range. It shall NOT incorporate a prism, lens (magnifying or non-magnifying), electric or electronic devices.

The sight points may be fiber optic and or incorporate chemical glow stick. The glow stick shall be encased so as not to disturb other archers.

A release aid may be used provided it is not attached in any way to the bow. Any type of finger protection may be used. If a mechanical release is used there is no need for any type of finger protection.

A wrist strap may be used on the bow hand.

One stabilizer is permitted up to 12” in length measured from the back of the bow, and directed away from the bow directly downrange, in the direction of the arrow flight. Additional Vbars, counter balances, or weighted attachments are prohibited.

ARCHERY (continued)

EQUIPMENT: (continued)

Compound – Open: (Page 14, Article V D 1)

A Compound Bow, which may be of a shoot-through type riser, is one where the draw is mechanically varied by a system of pulleys or cams. The bow is braced for use by bowstring(s) attached directly to the cams, string nocks of the bow limbs, cables or by other means as may be applicable to the design. The peak draw weight shall not exceed 60 lbs.

A “kisser” button is permitted.

A bowstring of any type which may include multiple serving/s accommodate nocking points and include other attachments such as a lip or nose mark, a peep-hole, a peep-hole ‘hold-in-line’ device, loop bowstring, etc.

Draw check indicators, audible and / or visual may be used.

A bow sight may be attached to the bow which may allow for windage adjustments as well as elevation setting, and which may also incorporate a leveling device, and/or magnifying lenses and or prisms. The bow device may not project any visual light or laser down range.

The sight points may be a fiber optic sight pin and or a chemical glow stick. The glow stick shall be encased so as not to disturb other archers.

A release aid may be used provided it is not attached in any way to the bow. Any type of finger protection may be used. If a mechanical release is used there is no need for any type of finger protection

A wrist strap may be used on the bow hand.

Stabilizers and torque flight compensators on the bow are permitted. They should not be used to contact the archer’s body for stability.

FALL MATCH – Shotgun

Fall state matches held after Oct. 1 are included as part of the previous 4-H year.

SHOTGUN

Follow the current ATA rules, NSSA and NSCA rules, with the following exceptions:

Age Requirement: 4-H Age 10-13 before Jan. 1, 2021 = Juniors/Intermediate

4-H Age 14-18 before Jan. 1, 2021 = Seniors

Teams must be designated before state match, 5 members with 2 alternates.

Teams may be composed of junior and senior shooters.

Once a team (with or without alternates) has been entered, it cannot be changed.

a. The team members must remain the same for all events (Trap, Skeet, and Sporting Clays.)

No barrels resting on toes, foot, or pointed at any part of the body

1. Competitors **MUST** provide their own shells.
2. **NO RELOADS ALLOWED.**
3. Shells can and will be checked for legal loads (see ammunition specifications below). Anyone found with an illegal load will be **DISQUALIFIED. NO EXCEPTIONS – NO WARNINGS.**
4. Competitor must carry shells for each given round on their person.
There will be **NO** setting of shells on the ground due to safety reasons. The break between the first 25 and second 25 shots will only be long enough for the shooter to exchange shell boxes.
5. Calling of losses will be done.
6. Use of release triggers is prohibited.
7. Counties will be pre-flighted prior to the state match.
8. Team ties will be broken by combined longest run.
9. Eye and ear protection is required.
10. Semi-automatic catchers are highly recommended on all semi-automatic shotguns.
11. Sporting Clays **ONLY**, shooters may load two shells in their gun during competition and must carry enough shells to complete the course.
12. To be considered a hit target there must be a visible piece of the target broke, not just dust.

Ammunition Specifications:

NEW SHELLS, no larger than 12 ga, with a maximum shot size of 7 1/2 lead shot and a maximum shot charge of 1 1/8 oz (or depending on range rules).

Trap:

Course of Fire:

50 clays at 16 yards

Ties will be broken by shoot-offs will start at 21 yards and move back in 2 yard increments to 27 yards as needed. Each competitor will shoot two rounds per trap pad (10 rounds total). Shoot-offs will be held immediately after the last squad of shooters.

Qualifying Course of Fire:

Clay targets: Shoot 50 clays at 16 yards at a state match committee approved event.
Qualifying score: 35 points out of a possible 50.

Shotgun Continued

Skeet:

Course of Fire:

50 clays

Tie breakers use reverse order. (Using the score sheet for hits and misses starting at the last target and counting to the first target, the shooter with the longest continuous run of hits wins the tiebreaker.)

Qualifying Course of Fire:

Clay targets: Shoot 50 clays at a state match committee approved event.
Qualifying score: 30 points out of a possible 50.

Sporting Clays:

Course of Fire:

50 clays

Qualifying Course of Fire:

Shooter must qualify in either trap or skeet to shoot sporting clays.

A shooter can qualify for state in trap, skeet or both. The grand aggregate of trap, skeet and sporting clays will determine ranking for the National match selection. In case of an aggregate tie, the highest combined placing of all three events shall wi

FALL MATCH – Hunting Skills, Muzzleloading & Small Bore

Fall matches held after Oct. 1 are included as part of the previous 4-H year.

HUNTING SKILLS

Age requirements: 4-H Age 9-13 year olds before Jan. 1, 2021 = Juniors
4-H Age 14-18 year olds before Jan. 1, 2021 = Seniors
*13 year olds may choose to shoot the senior course of fire

Teams must be designated before state match, 2-members with one alternate.
The 2-member team may consist of Junior and/or Senior competitors.
Shooting score will not be used for the team score or for the Top Shot award.

Competition will be approximately 3 hours, covering Hunting Skills lessons such as:

- ⇒ Wildlife ID and Game Management Knowledge
 - Skulls, hides, wings, etc. to ID
 - Knowledge ~~about game management~~ of species, such as habitat and characteristics
- ⇒ Hunter Decision Making Knowledge
 - ~~Decisions of shoot/don't shoot~~
 - ~~Questions based on scenario of hunting trip in Kansas~~
- ⇒ ~~General Hunting Skills~~
 - ~~Information from core 4-H classes of Hunting Skills curriculum~~
 - ~~Cleaning guns/equipment~~
 - ~~Ammunition information~~
 - ~~Backpacking decisions/Dress for success outdoors~~
 - Information from core 4-H curriculum classes
 - History of Hunting
 - Why We Hunt
 - Hunter Ethics
 - Hunting Laws/Regulations
 - Compassing/Maps
 - NRA Hunter's Guide
 - North American Model of Wildlife Conservation
 - Wildlife Management
 - Survival in the Outdoors
 - Injuries/First Aid
 - Hunting Equipment
- ⇒ Orienteering/Compassing/Maps
 - ~~Topographical maps~~
 - ~~Compass/Orienteering~~
 - Compass Course to complete
 - Knowledge of use of compass and maps

Qualifying course of fire:

Juniors:

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- Be enrolled and complete the first year beginning core 4-H curriculum classes in Hunting Skills.

Seniors:

- Be enrolled and complete the first year beginning core 4-H curriculum classes in Hunting Skills.
- Be trained by a certified 4-H instructor in the shooting disciplines of Archery, Shotgun, and Small Bore Rifle.
- Attend at least one Hunting Skills Qualifying Match held for the shooting disciplines of Archery, Shotgun, and Small Bore Rifle.
 - If a Senior competitor does not wish to be considered for Team Kansas in Hunting Skills, they are not required to compete in the shooting disciplines. The competitor would earn a zero score for any shooting discipline in which they do not participate.
 - The highest score for each discipline at a Hunting Skills Qualifying Match will be used as the shooting score for the State 4-H Hunting Skills Match.
- The course of fire for Archery, Shotgun, and Small Bore Rifle will have targets that will be scored hit or miss.
 - Archery – 3D targets, 30 points
 - Shotgun – Trap, 30 points
 - Small Bore Rifle – 2D targets, 30 points (Prone, Standing, Kneeling)

Further Questions can be sent to Beth Alloway, boa@ksu.edu or 785-565-2444

State Hunting Skills Match “Course of fire”

No live shooting competition will be held at the state match.

Juniors and Seniors will compete in the 3 sections of Hunter Knowledge, Wildlife ID, and Compassing/Maps, worth 100 points each for a total of 300 points.

In the **Senior** division, there will be a 4th shooting section which will consist of the aggregate of the highest scores from the 3 shooting disciplines of Archery, Shotgun, and Small Bore Rifle shot at Hunting Skills Qualifying Match(es). This section will be worth 90 points for a total of 390 in the Senior Division. If a Senior shooter has chosen not to compete in a discipline, they will receive zero points for that discipline, and would also not be eligible to be considered for the Team Kansas delegation to the National 4-H Shooting Sports Championship Match.

MUZZLELOADING

Age requirements: 4-H Age 12-13 year olds before Jan. 1, 2021 = Juniors

4-H Age 14-18 year olds before Jan. 1, 2021 = Seniors

Teams must be designated before state match, 2 members with one alternate.

Targets will be scored using muzzleloading overlays for Center Ball scoring as stated in the NMLRA Rule Book, except for the Bottle Target, which is scored as stated on the target.

The Bottle Target will be scored as stated on the target with the following clarification. Any shot not touching the outside edge of the bottle and is touching both the top edge of the base and the bottom edge of the neck (straddling the white line) will be scored as nicking the neck.

Follow the National Muzzle Loading Rifle Association rules with the following exceptions:

1. Rifle rules only at this time are applicable.
2. **The maximum load per shot is 60 grains.**
3. Any safe gun is permitted.

Course of fire:

TG2406 - 100 yd. 8 ring targets – shot at 50 yards, 10 rounds – 20 minutes

TG901 - 25 yd. Haffner Animal 2 per bull, 10 rounds – 20 minutes

TG2427 - 25 yd. Bottle Targets 2 per bull, 10 rounds – 20 minutes

*Bottle targets will be shot as follows:

2 shots per bottle for 10 shots total; Top Bottle used as a sighter bottle

Ties will be broken by total number of neck shots

Muzzleloading overlays may be used to verify 'all-in' and/or 'nicks'

Hunter Silhouette – 2 minutes per shot, shot in banks of 5

Chicken - 40 yards

Pig - 60 yards

Turkey - 77 yards

Ram - 100 yards

Paper targets may be used instead of metal silhouettes dependent upon range capabilities.

All silhouette scoring will award 10 points for a hit and 0 points for a miss.

Qualifying Course of Fire:

Shoot at a state match committee approved event.

TG2406 target: Shoot 10 shots at 50 yards – 8 ring target

TG2427 target: Shoot 10 shots at 25 yards – bottle target

Qualifying score: 40 points out of a possible 200.

SMALL BORE PISTOL

Age requirements: 4-H age 13-18 years old before Jan. 1, 2021 (Seniors only)

Teams must be designated before state match, 2 members with one alternate.

Follow current edition NRA rules for bulls/timed fire and current edition NRA Pistol Silhouette rulebook for silhouette match.

**Must have a current signed Hand Gun permission form on firing line with shooter.
Ammunition: No hypervelocity, hollow point, tracer or explosive ammunition is allowed.
Clear Chamber Indicators are required for all events.**

Distances may vary due to range capabilities.

Equipment:

- Any safe .22 rim fire pistol-limited to long rifle (NO HYPER VELOCITY), approved by the Chief Range Officer.
- Any sight except for projected (laser).
- Open, aperture, and telescopic sights are acceptable.

Course of Fire (Following NRA Short Course):

Refer to rule 10.7 Firing Line procedures and commands

25 yard range distance:

Slow fire – B16 target; 10 minutes for 10 shots
Timed fire – B8 target, 20 seconds per string of 5, 2 strings of 5
Rapid fire – B8 target, 10 seconds per string of 5, 2 strings of 5

If 50 feet range distance is used (only when 25 yards is not possible):

Slow fire – B2 target; 10 minutes for 10 shots
Timed fire – B3 target, 20 seconds per string of 5, 2 strings of 5
Rapid fire – B3 target, 10 seconds per string of 5, 2 strings of 5

Silhouettes: Per NRA Pistol Silhouette Rules, Section 3.2 Smallbore Hunters Pistol

- Where range limits allow, NRA ½ scale metallic silhouettes will be shot
- Time Limits: Following a 30 second “Ready Time,” two minutes will be allowed on each bank of five targets
- Course of fire: 10 chickens at 40 yds; 10 pigs at 50 yds; 10 turkeys at 75 yds; 10 rams at 100 yds
- Alibis: 30 seconds will be allowed for each unfired round of the series in which the alibi is allowed

SMALL BORE PISTOL (continued)

***For ranges that do not have 75 yd and 100 yd silhouette capabilities, a 50 yd range may be used as follows:

- 20 chickens at 40 yd and 20 pigs at 50 yd (recent State Match course of fire at Capital City Gun Club)
- If sufficient metallic silhouettes are not available, or metallic silhouettes cannot be used on the range, ½ scale PAPER silhouettes may be substituted and shot at the distances shown above
- At last resort for limited range capabilities, 50 ft TQ12 and TQ13 reduced scale silhouette targets will be used; 2 rams, 2 turkeys, 2 pigs and 2 chickens with 5 shots per animal with 40 shots total

Scoring:

Silhouette – A scorer shall be assigned to each competitor. All silhouette scoring will award 10 points for a hit and 0 points for a miss. Silhouettes must be knocked off the stand OR off their base to be scored as a hit. A silhouette that is turned while still on the stand is a miss. Silhouettes MUST be shot in sequence from left to right. Hits out-of-sequence are scored as misses. Each shooter is responsible for checking with the scorekeeper immediately after firing five rounds to be sure that they agree with the number of hits.

Qualifying Course of Fire:

Shoot 30 shots (10 shots each Slow fire, Timed fire, and Rapid fire) at 25 yards (or 50 feet if 25 yards is not possible) at a state match committee approved event. (see Course of Fire above).

Qualifying score: 125 points out of a possible 300.

SMALL BORE RIFLE

Age requirements: 4-H age 13-18 years old before Jan. 1, 2021 (Seniors only)

Teams must be designated before state match, 2 members with one alternate.

3P - Follow current edition of the NRA Small Bore Rifle Rules
Silhouette - Follow current edition of the NRA Rifle Silhouette Rules.

NRA Rules for equipment for each course of fire will be used - see "Equipment" below.

Ammunition: No hypervelocity, hollow point, tracer or explosive ammunition is allowed.

Clear Chamber Indicators are required for all events.

Distances may vary due to range capabilities.

Equipment:

1. 3P match (*rulebook section 3.2 – Any Rifle*) - Any safe rifle using .22 short, long or .22 long rifle cartridges. No restrictions on barrel length, weight, or accessories. Any safe trigger allowed – NO release triggers. All other equipment used in the 3P match shall conform to Section 3. Equipment and Ammunition in the current NRA Small Bore Rifle rulebook. For rifles with removable or tubular magazines, rule 10.1.6 requiring SINGLE loading will NOT be enforced. (rulebook section 10.1.6 – Loading in Slow Fire).
2. Silhouette Match - (*rulebook section 3 – Rifles, Equipment, and Ammunition*) – Section 3.2 – Small Bore Silhouette Rifle - identical to the description of the High-Power Silhouette Rifle, EXCEPT the rifle shall be chambered for only factory loaded .22 caliber short, long, or long rifle cartridges. Hot loads such as "stingers" are not permitted. Maximum weight of the rifle is 10 lbs. 2 oz. which includes sights. Any sights, telescopic or metallic may be used. Any safe trigger, not subject to accidental discharge and which do not function on release is permitted.

Course of Fire:

1. 3-Position 3x10 Match, as described in the "Qualifying" section. Note that this match may be shot at either 50 yards or 50 meters, with the appropriate targets for 3-position shooting, depending on the capabilities of the range used. Fouling and sighting shots are permitted at any time after the Commence Firing command is given (rulebook section 9.2).
2. NRA Small Bore Silhouette Rifle Match will be shot using NRA 1/5 scale Small Bore Rifle metallic silhouettes. The preferred course of fire will be as follows: 10 chickens, 10 pigs, 10 turkeys, and 10 rams, to be shot at 40, 60, 77, and 100 meters or yards, respectively, depending on the capabilities of the range. Where range conditions do not allow the targets to be placed at their maximum distances, alternate distances and target combinations may be used. Silhouette targets will be shot in banks of five of the same animal. A 2 and one-half minute time period is allowed for each bank of five animals.

SMALL BORE RIFLE (continued)

Scoring:

3P - Targets will be scored in the scoring room after EACH position.

Silhouette – A scorer shall be assigned to each competitor. All silhouette scoring will award 10 points for a hit and 0 points for a miss. Silhouettes must be knocked off of the stand OR off of their base to be scored as a hit. A silhouette that is turned while still on the stand is a miss. Silhouettes MUST be shot in sequence from left to right. Hits out-of-sequence are scored as misses. Each shooter is responsible for checking with the scorekeeper immediately after firing five rounds to be sure that they are in agreement with the number of hits.

Qualifying Course of Fire:

A/51 Targets: Shoot 3x10 course of fire at 50 yards at a state match committee approved event to include 10 shots each in prone (1 min per record shot), standing (2 min per record shot), and kneeling (1.5 min per record shot). Targets will be changed after each position.

Qualifying score: 175 points out of a possible 300.