North Dakota 4-H Horse Program
4-H Hippology Contest Rules
North Dakota State University Equine Center
April 7th, 2018

Entry deadline: April 2nd, 2018

STATE SPECIALISTS
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GENERAL INFORMATION
The North Dakota 4-H Hippology contest provides an opportunity for youth enrolled in 4-H equine projects to demonstrate their knowledge of equine science related subject matter in a competitive setting where attitudes of friendliness and fairness prevail. Hippology is an activity that can make learning fun for 4-H members, by letting them exhibit their knowledge and understanding of equine science and husbandry. This is an excellent way to further involve 4-H’ers interested in equine activities. Youth build their knowledge of equine science, management, safety, welfare and ethics as they prepare for this contest. They then apply this knowledge in practical ways through Hippology contests and hands-on learning. Youth are tested on all aspects of the horse and equine industry. Competition in Hippology encourages 4-H members to develop a more complete knowledge of animals and related subjects and is an excellent way to develop self-confidence and excellent teamwork skills. This contest provides an educational program for all project members, including those who may not own a project animal. Teams compete in four (4) different phases:

1) Examination Phase
2) Station Phase
3) Judging Phase
4) Team Problem

The winning 4-H senior team will have a choice to represent North Dakota at the National 4-H Hippology Contest at the Western National Round Up 4-H Hippology in Denver, Colorado.

OBJECTIVES & OUTCOMES:
A. Stimulate learning in equine science and agricultural industry;
B. Youth develop positive interests and attitudes about equine science and related careers;
C. Youth gain a base of knowledge of equine science projects;
D. Youth will utilize skills and abilities to solve everyday situations;
E. Reward 4-H members for knowledge gained in a subject matter area;
F. Provide a competitive setting where attitudes of friendliness and fairness prevail;
G. Participants will process information, analyze complex problems and make informed decisions regarding current agricultural, environmental, equine science and equine industry issues;
H. Develop teamwork, self-confidence, public speaking and decision-making skills;
I. An increased number of participants seek out higher education opportunities and careers related to equine science.
PRE-REGISTRATION REQUIRED *(registration cost: $5 per individual)*
Please send a pre-registration email message to LeighAnn.Skurup@ndsu.edu by April 2nd, 2018. Include county, team with expected participants in each, coaches contact information and their division. Changes and substitutions may be made at registration on the day of the contest. **Lunch is included** *(pizza; please list any youth with dietary needs within email registration).*

CONTESTANTS AND ELIGIBILITY

1. Contestants must be enrolled in North Dakota 4-H *(4honline)* in the county they represent.
2. 4-H teams will consist of four or five participants in the same age division.
3. Youth may enter as individuals or as a team member. All participants are eligible for individual awards.
4. Each team will consist of three (3) or four (4) participants from the same county. **Counties may combine to form a team provided neither county has more than 2 participants.** Combination teams must pre-register together. A team of three (3) may not pick up a fourth member from another county.
5. North Dakota counties are invited to enter as many teams as desired. On teams consisting of four (4) members, all will compete; however, the lowest score in each phase will be dropped. For those teams consisting of three (3) members, all members’ scores will count in determining individual and team awards.
6. Contestants in the senior division must be 14-18 years on December 31, 2017. The junior division is for members 8 years of age before September 1, 2017 to age 10. **Intermediates** are ages 11 to age 13 on December 31, 2017. If a 10 year old wants to move up to the intermediate division or an 11 year old would like to move down to a junior division, this is permitted.
   a. **Junior division topic** for the 2018 North Dakota State Hippology Contest:
      • Equine breeds, feeds *(nutrition)*, and body ID’s *(body part identification)*.

7. 4-H members are not eligible for this contest if:
   a. He/she has participated in a previous National 4-H Horse Quiz Bowl contest.
   b. He/she has participated in official post-secondary (university, college, junior college or technical school) competitive events of a similar nature in the same subject matter area. Neither can he/she be a member of a post-secondary team undergoing training in preparation of an event.
CONTEST DIVISIONS
Each age division is considered a separate contest and youth may enter one of the following divisions.

◆ Junior 4-H division: Youth age 8 to 10 enrolled in North Dakota 4-H as of September 1st of the current 4-H year. Should it be decided that the 4-H’er that is 10 years of age is too advanced for the Junior division, the 10 year old has the option to compete in the Intermediate division should they desire. Juniors will work together as a team during all phases of the contest.

◆ Intermediate 4-H division: Youth ages 11 to 13 years old and enrolled in North Dakota 4-H as of September 1st of the current 4-H year to age 13 on December 31 of the current year. Should it be decided that the 4-H’er that is 11 years of age would perform better as a Junior due to experience, the 11 year old has the option to compete in the Junior division should they desire. Intermediates will work together as a team during all phases of this contest.

◆ Senior 4-H division: Youth age 14 to 18 on December 31, 2017 and enrolled in North Dakota 4-H. Seniors will compete as individuals in all phases of the contest with the exception of the team problem. While the contest is in progress, there shall be NO conferring between contestants or anyone else other than the Contest Superintendents or their representative. 10 points will be deducted from the total score for each talking infraction reported.

  o The Senior FIRST place team overall has the option to represent North Dakota at the Western National Roundup Contest in Denver, Colorado. The team is awarded $1,000 from the North Dakota 4-H Foundation to help with travel expenses. Contestant must already have passed his or her 14th birthday, and may not have reached his or her 19th birthday as of January 1 of the year in which the National 4-H Competitive Event is held. However, the State 4-H Leader may grant a special authorization to compete, for youth with developmental disabilities who exceed the upper age limit.

DRESS CODE
Participants shall follow the 4-H Dress Code: 4-H members must be dressed neatly and wear a solid white, yellow, gray, or green shirt with 4-H emblem on the front. County names or other affiliation should not be worn at the state contest in order to avoid bias. The clover may be imprinted, screened, or attached with an adhesive (if clovers are pinned to the shirt, use multiple pins and place pins discreetly underneath the chevron). Failure to comply will result in the deduction of 25 points from the individual or team score. 4-H members are asked to stay in official dress until completion of awards.

CONTEST GUIDELINES
National 4-H Western National Roundup rules will apply. Local managers may modify rules and procedures as needed to conduct the event in the allowed time.
GENERAL RULES:

1. **Examination Phase** -- approximately 100 points -- this phase of the contest may include:
   a. Written Exam (50 questions)
   b. Projected slides to be identified as to breed, color, color pattern, activity, proper appointments, etc.
   c. Anatomy which may include external, skeleton, internal organs, parts of gastrointestinal tract, male and female reproductive organs, detailed anatomy of the foot and detailed lower limbs.

2. **Station Phase** -- approximately 100 points (5 to 10 stations) -- this phase will consist of a series of stations or tables where all contestants will respond to the requirements of the station. Stations may include pictures from popular press sources; however, the content within the stations will be taken from the approved sources listed below. Members will be allowed two (2) minutes at each station. Stations may include, but are not limited to:
   a. Examples of topics may include:
      i. Various types of saddles (actual or pictures) and parts of saddles.
      ii. Tack, bits, bridles, horse shoes and parts of shoes.
   b. Tools and equipment, and assembly of specific parts of various pieces of equipment. Grains and forages used in equine rations including various forms of methods of preparation.
   c. Internal and external parasites based on actual samples, pictures, life cycle charts and/or damage caused.
      i. Blemishes and unsoundnesses
      ii. Age of equines based on teeth
      iii. Nutrition and health
      iv. Genetics
      v. Reproduction
   d. Use of pulse rate, respiration rate, temperature, dehydration, anemia, etc., to assess horse health.
   e. Measurements such as, but not limited to, wither height, shoe size, girth, collar size, gullet width, seat length of saddle, etc. may be required.

3. **Judging Phase** -- 100 points -- (a contest may or may not include a judging phase)
   Contestants may be required to place at least four (4) classes consisting of two (2) halter or conformation classes and two (2) performance classes. A contest may only have one class of four (4) horses depending on location of contest. Every effort will be made to use the same horses as are being used in the judging contest, with the placing to be simultaneous with contestants in the judging contest, with the same official placings and cuts as apply to the judging contest. In extreme emergency, pictorial, video and/or classes may be used, in which case they would be especially prepared for the event.
   a. Oral reasons will not be a part of the Hippology contest. If there is a performance class, it will be one of the following: Western Horsemanship, Western Pleasure, Hunter Under Saddle, Ranch Riding (Ranch Horse Pleasure), Trail, or Hunt Seat Equitation.
4. **Team Problems** -- approximately 100 points -- all teams will be presented with the same problem(s). Each team will have equal time (10 minutes) to discuss among themselves the problem, immediately after which they will have 5 minutes to present an oral solution or series of suggested procedures relative to the problem. Each member of each team is encouraged to contribute to the oral presentation. Evaluation will be based on the understanding of the problem, completeness of the response, the probability of success of the solution or procedures, and the logic used in making the oral response. The official may ask questions of any or all of the team members to clarify the presentation.
   a. Examples of the possible team problems might include:
      i. Balancing a horse's ration.
      ii. Farm management recommendations for specific horse operations (i.e., breeding, training, boarding, nursery, lay-up, etc.).
      iii. Considerations for the establishment of a new horse facility (stable to be used for a specific purpose).
      iv. Recommendations for selecting, locating, and purchasing horses for specific uses.
      vi. Training and conditioning programs - equipment, schedules, methods, nutrition, problem avoidance.
      vii. Breeding and/or leasing contracts - specific clauses for insurance, liability, payments, care, termination, transport, etc.
      viii. Teaching lessons in horse management (specific subject to be announced) to a group of 9-11 year old beginner 4-Her's: where, how long, how much information, hands-on experience, reinforcement, testing evaluation, will be considered.
      ix. Explanation of use or assembly of specific equipment.
      x. Demonstrate skill or ability to use specific equipment.
   b. Team problem scores will not be included in determining the rank of individuals in the contest, but will be added to the team scores of the other three phases to determine overall team standings.

Schedule for rotation and exact time will be determined by management, based on number of registrations. Each section of the contest will be provided at least 20 minutes for completion.

**TIE-BREAKING**
All ties overall, individual and team, will be broken using the following sequence:

1. Team Score (for team ties only)
2. Examination scores overall
3. Station scores overall
4. Judging scores overall
5. Station scores starting with station one

Ties within any phase are to be broken using the overall score first and then the same sequence as above. If further tie breaking is needed, the scores at each station, in order may be used.
AWARDS

1. Awards will be presented to the top three (3) teams in each division and at least the top ten (10) individuals in the senior and open divisions.
2. Awards will be presented to the top ten (5) individuals in the Examination Phase, Station Phase, Judging Phase, and Overall.

RESULTS
Results will be posted on https://www.judgingcard.com/ and on a PDF on the NDSU North Dakota 4-H Hippology Contest Rules page: https://www.ndsu.edu/4h/programs_events/state_4_h_contests/horse_judging/

SUPPLIES

1. Individuals competing in the Hippology contest should come prepared with a #2 pencil for all phases of the contest.
   a. Scranton forms will be utilized for the contest.
2. Individuals should have a notebook for the judging portion of the contest.

OFFICIALS:

1. **Moderator:** The moderator assumes complete direction of the contest, calls gaits during horse judging phase, accepts or rejects all answers as guided by the judge(s), and may seek interpretation of questions and answers from the judges or contestants. The moderator should be knowledgeable in Hippology procedures, guidelines, and regulations.
2. **Judge:** Two judges may be necessary. A judge can be anyone with a strong background in horse judging for the horse judging portion of the contest and a judge can be anyone with a strong background in equine knowledge and industry for judging the team problem phase of the Hippology contest. The judge will accept or reject any question and/or answer and have the option of explaining the answer. The judge(s) may ask for clarification from a contestant. When possible, at least two judges should be used for horse judging, if available three should be used.
3. **Time Keeper:** Two time keepers will be needed. The timekeeper will monitor elapsed time for each timed rotation of stations and another timer will be needed to time preparation and delivery for the team problem phase (10 minute preparation and 5 minute oral delivery to judge). Both judges will indicate to the moderator when time has expired.
STANDARD REFERENCE MATERIAL

All the information covered in this contest may be found in one or more of the following publications:

- **IDET**  Illustrated Dictionary of Equine Terms - New Horizons Equine Education Center.  
  Alpine Publications, PO Box 7027,  
  Loveland, CO 80537  
  Phone: (800) 777-7257

  Phone: (415) 391-5870

- **Lewis**  Feeding and Care of the Horse - Lon Lewis Williams and Wilkins. Second Edition.  
  351 West Camden Street, Baltimore, MD 21201-2436  
  Phone: (800) 638-0672

- **HIH**  Horse Industry Handbooks and updates - American Youth Horse Council  
  1 Gainer Rd, McDonald, NM 88262  
  Email: info@ayhc.com Phone: 817.320.2005  
  Web: http://www.ayhc.com/shop

- **HS**  Horse Smarts (NEW) - American Youth Horse Council; 1 Gainer Rd, McDonald, NM 88262  
  Email: info@ayhc.com Phone: 817.320.2005  
  Web: http://www.ayhc.com/shop

- **AQHA**  AQHA Rulebook: 2018 66th edition  
  http://aqha.com/handbook

  Published January 2012

Grains, forages and feed preparations used in this contest will be representative of feeds utilized in horse rations.
OTHER RESOURCES

The *Horse Laboratory Kit* and the *NDSU Hippology trunk* can be checked out from the state office for studying purposes. [https://www.ndsu.edu/4h/staff_resources/material_check_out/educational_trunks/](https://www.ndsu.edu/4h/staff_resources/material_check_out/educational_trunks/). To order your own Horse Laboratory Kit from Ohio State University click here. To order, go to: [https://ohio4h.org/books-and-resources/learning-lab-kits](https://ohio4h.org/books-and-resources/learning-lab-kits).

**4-H Materials** – Available at: 
[http://www.4-h.org/resource-library/curriculum/plant-animal-science-curriculum/](http://www.4-h.org/resource-library/curriculum/plant-animal-science-curriculum/)

NDSU Horse projects sheet will guide you to other resources that are available: 
[https://www.ndsu.edu/fileadmin/4h/Projects/Horse.pdf](https://www.ndsu.edu/fileadmin/4h/Projects/Horse.pdf)

4-H.org horse curriculum - [https://4-h.org/parents/curriculum/horse/](https://4-h.org/parents/curriculum/horse/)

- GBH151 Guiddy Up and Go - [https://shop4-h.org/products/horse-curriculum-1-giddy-up-and-go](https://shop4-h.org/products/horse-curriculum-1-giddy-up-and-go)
- GBH152 Head, Heart and Hooves - [https://shop4-h.org/products/horse-curriculum-2-head-heart-hooves](https://shop4-h.org/products/horse-curriculum-2-head-heart-hooves)
- GHN153 Stable Relationships - [https://shop4-h.org/products/horse-curriculum-3-stable-relationships](https://shop4-h.org/products/horse-curriculum-3-stable-relationships)
- GBH154 Riding the Range - [https://shop4-h.org/products/horse-curriculum-4-riding-the-range](https://shop4-h.org/products/horse-curriculum-4-riding-the-range)
- GBH155 Jumping to New Heights - [https://shop4-h.org/products/horse-curriculum-5-jumping-to-new-heights](https://shop4-h.org/products/horse-curriculum-5-jumping-to-new-heights)
- GBH156 Green Horse - [https://www.ndsu.edu/fileadmin/4h/Animals/GBH156.pdf](https://www.ndsu.edu/fileadmin/4h/Animals/GBH156.pdf)
- GBH245 Horse Helper’s Guide - [https://shop4-h.org/products/horse-curriculum-helpers-guide](https://shop4-h.org/products/horse-curriculum-helpers-guide)
- GBH092 ND Horse Show Rules and Judging Guide - [https://www.ndsu.edu/fileadmin/4h/Contests/GBH092.pdf](https://www.ndsu.edu/fileadmin/4h/Contests/GBH092.pdf)

**Veterinary Science:**

These resources are available at: [http://4h.unl.edu/4hcurriculum/veterinaryscience](http://4h.unl.edu/4hcurriculum/veterinaryscience)

- 4H131 Veterinary Science Unit 1: The Normal Animal
- 4H48 Veterinary Science Unit 2: Animal Disease
- 4H133 Veterinary Science Unit 3: Animal Health and Its Relationship to Our World

**Other**

Breeds of horses - [http://www.ansi.okstate.edu/breeds/horses/](http://www.ansi.okstate.edu/breeds/horses/)

**CURRENT EVENT RESOURCES:**

Team problems may come from current events in the equine industry. Study major issues that have affected the equine industry in many ways such as: animal diseases, wild horse issues, horse slaughter, environmental issues, and regulatory changes. The following on-line resources will be used to develop these questions:

- Horse Science News - [https://www.horsesciencenews.com/](https://www.horsesciencenews.com/)