



THE UNIVERSITY OF GEORGIA
COOPERATIVE EXTENSION
College of Agricultural and Environmental Sciences & Family and Consumer Sciences



Georgia 4-H Base Programming

Hippology

Description of Learning Experience:

The 4-H Hippology Contest is a comprehensive, skills-based competition in which participants demonstrate the extent of their knowledge and understanding of equine science and husbandry. Cloverleaf, Junior and Senior 4-H members are eligible to compete in Hippology. There are Junior and Senior divisions; Cloverleaf 4-H'ers who are at least nine years old may compete in the Junior division. Practical application of knowledge and skills is demonstrated through a written test, a skill station, a judging competition and a team problems component in which team members' work together to solve a specific issue as it relates to equine management. Students have the opportunity to strengthen their communication and leadership skills in an environment which allows contribution to group effort; encourages teamwork and promotes acceptance of differences. Participants must work with three or four team members in this equine event. Competing as team members assists youth with the development of social skills, cooperation and managing feelings, as they become comfortable with working alongside others toward a common goal; integrity, sportsmanship, decision-making abilities and public speaking skills are also strengthened through the Hippology experience. Participants are able to develop a knowledge and respect for the equine industry, the issues specific to that industry, and its importance to the community, the state, and to the international economy.

Learning Outcomes:

- Learn to function in a friendly yet competitive setting, and demonstrate the depth of understanding of equine science and management issues.
- Acquire critical thinking skills through resolution of common management issues as they relate to the equine business.
- Blend equine science and husbandry with horse judging and public speaking into one activity through which participants can apply their acquired knowledge and skill.
- Develop skills such as decision making, communication, team building, and self-confidence.
- Develop leadership abilities, build character and assume citizenship responsibilities, and develop skills, knowledge and attitudes for lifelong use.

Georgia Performance Standards:

Elementary School Level (Grades 4th and 5th)

S4CS1 and S5CS1 Students will be aware of the importance of curiosity, honesty, openness, and skepticism in science and will exhibit these traits in their own efforts to understand how the world works.

S4CS2 and S5CS2 Students will have the computation and estimation skills necessary or analyzing and following scientific explanations.

State Contact: Heather Shultz, 706-542-4H4H or hkalino@uga.edu

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S4CS3 and S5CS3 Students will use tools and instruments for observing, measuring, and manipulating objects in scientific activities utilizing safe laboratory procedures.

ELA4LSV1 and ELA5LSV1 The student participates in student-to-teacher, student-to-student, and group verbal interactions.

ELA4C1 and ELA5C1 The student demonstrates understanding and control of the rules of the English language, realizing that usage involves the appropriate application of conventions and grammar in both written and spoken formats.

ELA4R3 and ELAR5R3 The student understands and acquires new vocabulary and uses it correctly.

S4CS6 and S5CS6 Students will question scientific claims and arguments effectively.

S5L2 Students will recognize that offspring can resemble parents in inherited traits and learned behaviors.

Middle School Level (Grades 6th - 8th)

S6CS1 through S8CS1 Students will be aware of the importance of curiosity, honesty, openness, and skepticism in science and will exhibit these traits in their own efforts to understand how the world works.

S6CS4 through S8CS4 Students will use tools and instruments for observing, measuring, and manipulating equipment and materials in scientific activities.

S6CS6 through S8CS6 Students will communicate scientific ideas and activities clearly.

ELA6RC3 through ELA8RC3 The student acquires new vocabulary in each content area and uses it correctly.

ELA6C1 through ELA8C1 The student demonstrates understanding and control of the rules of the English language, realizing that usage involves the appropriate application of conventions and grammar in both written and spoken formats.

ELA6LSV1 through ELA8LSV1 The student participates in student-to-student, student-to-teacher, and group verbal interactions.

ELA6RC4 through ELA8RC4 The student establishes a context for information acquired by reading across subject areas.

S7L3 Students will recognize how biological traits are passed on to successive generations.

M6D1 and M7D1 Students will pose questions, collect data, represent and analyze the data, and interpret results.

High School Level (Grades 9th - 12th)

ELA9RC3 The student understands and acquires new vocabulary and uses it correctly.

SCSH1 Students will evaluate the importance of curiosity, honesty, openness, and skepticism in science.

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SCSH2 Students will use standard practices for all classroom laboratory and field investigations.

SCSH3 Students will identify and investigate problems scientifically.

SCSH6 Students will communicate scientific investigations and information clearly.

SB4 Students will assess the dependence of all organisms on one another and the flow of energy and matter within their ecosystems.

SZ5 Students will evaluate the relationships between humans and other animals.

ELA9-12SV1 The student participates in student-to-teacher, student-to-student, and group verbal interactions.

*This list could expand based on the 4-H'ers main project work/area of interests.

MM1A3. Students will solve simple equations.

Essential Elements:

Primary: Mastery and Independence; Secondary: Belonging and Generosity

Mission Mandates:

Science, Engineering and Technology

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