

North Carolina 4-H School Enrichment Programs



A Guide for Educators



THIS IS 4-H

Welcome to North Carolina 4-H! 4-H is the youth component of the North Carolina Agricultural Extension Service, with academic ties to North Carolina State University and North Carolina A&T State University. The purpose of 4-H is to help youth develop life skills that will help them become productive, responsible adults. These life skills include developing positive self-concepts, establishing effective interpersonal relationships, learning how to make sound decisions, working toward good physical development, and learning practical skills for living. In addition to 4-H camps, volunteer-led special interest programs, 4-H project clubs, and community 4-H clubs, 4-H school enrichment is another means of teaching life skills to youth. 4-H values its relationship with North Carolina's schools and welcomes the opportunity to provide educationally sound, research-based, action-oriented curricula for use in school classrooms. This publication focuses on the 4-H partnership with schools.

CONDUCTING 4-H SCHOOL ENRICHMENT PROJECTS

4-H school enrichment projects are a cooperative effort between the school and the 4-H program of the county Agricultural Extension Office. The county Extension 4-H agent, 4-H program assistant, or 4-H adult volunteer is responsible for introducing and explaining 4-H curricula to the classroom teacher. The classroom teacher is responsible for teaching the 4-H curriculum to the students and for enrolling students as 4-H members. While the project (curriculum) is in progress, students are enrolled as 4-H members and the teacher as a 4-H volunteer. Students should be aware that they are participating in a 4-H project when 4-H curricula are used. The State 4-H and Youth Development Department furnishes, free of charge, one teacher/leader guide and one student/member manual per project, per classroom. Additional copies may be purchased through the local county Extension office, or schools are welcome to make their own copies from camera-ready originals provided to county Extension offices by the State 4-H and Youth Development office.

THE 4-H PROGRAM

In addition to school enrichment curricular materials, 4-H offers an on-going educational program. The educational program is open to all youth between the ages of 6 and 19 and provides many opportunities to learn and to have fun. After participating in a 4-H school enrichment project, many youth choose to become involved in a 4-H camp, club, or special interest program. Your county Extension 4-H agent, 4-H program assistant, or 4-H volunteer will welcome the opportunity to discuss the 4-H program in your community with students upon the conclusion of the 4-H school enrichment project.

4-H AND THE SCHOOL

The partnership between 4-H and a public or private school can extend beyond the specific school enrichment project selected for classroom use. Here are a few ideas for integrating 4-H school enrichment programs with the broader-based 4-H educational effort being conducted throughout North Carolina.

Completion Certificate - Ask your 4-H contact about certificates for your students who have successfully completed their 4-H school enrichment project.

Membership Card - Present 4-H membership cards, provided by your 4-H contact, to your students who participate in the 4-H school enrichment project.

4-H Presentation - Ask your local 4-H agent, program assistant, or 4-H volunteer to come to your classroom and talk about 4-H in the community. They will share with you all the fun and educational activities youth and their families can do in 4-H.

Parental Contact - Utilize pamphlets provided by your 4-H contact to share with parents. Encourage parents to view completed 4-H projects in the classroom and invite them to contact the county 4-H office if they would like to know more about membership in a 4-H club or group.

4-H SCHOOL ENRICHMENT CLASSROOM CURRICULA

Listed below are the 4-H school enrichment programs presently available statewide. These programs are recommended for school classroom settings as a supplementary or curriculum enrichment experience for students. A brief overview of what the program offers, appropriate age/grade levels, and available resources are indicated. This listing does not preclude other 4-H projects that may have application to specific school settings, dependent upon the interests and needs of youth in those communities and available resources to facilitate programs.



Project Learning Tree

Ages 5 - 18, Grades K - 12

Overview: Project Learning Tree (PLT) uses the forest as a "window" into the natural world, helping young people gain an awareness and knowledge of the world around them as well as their place within it. A source of interdisciplinary instructional activities, PLT helps prepare students to make wise decisions about conservation practices and resource use. Only county 4-H programs which have 4-H agents, program assistants or volunteers who have completed the 16-hour, two-day workshop are able to offer PLT as part of the county 4-H program. In addition, some counties offer special extended classroom learning experiences (i.e., 4-H Environmental Field Days, Environmental Awareness Week, etc.) which would serve to complement and culminate the PLT classroom experience.

Basic Resources:

- Project Learning Tree Activity Guide K-6
- Project Learning Tree Activity Guide 7-12
- Student Membership Card
- Student Completion Certificate

Supplemental Resources:

- "Focus on Forests: A Computer Software Supplement"



4-H Embryology

Ages 9 - 10, Grades 3 or 4

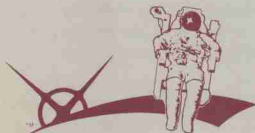
Overview: The egg is a marvel of nature, and incubating eggs and observing the emergence of the chick is a fascinating experience for a young person. The static egg transforms into an active, living organism. Students can study development of the chick embryo, record and interpret their observations, and brood chicks in the classroom. Teachers are encouraged to adapt the program to the particular needs of their students. Activities are designed to relate to a number of subject areas.

Basic Resources:

- Chicks and Eggs, Embryology Leader's Curriculum Guide (4H L-21-36)
- Embryology Record Sheet (4H R-21-34)
- Student Membership Card
- Student Completion Certificate

Supplemental Resources:

- Project Planning Guide (4H PG-21-31)
- Embryology Leader's Guide (4H L-21-35)
- Embryology I, Member's Manual (4H M-21-32)
- Embryology II, Member's Manual (4H M-21-33)
- Incubator: available from 4-H contact, perhaps at minimal cost
- Fertile Eggs: available from 4-H contact, perhaps at minimal cost



Blue Sky Below My Feet

Ages 10 - 11, Grade 6

Overview: Blue Sky is a new 4-H educational program relating space-age technology to everyday life. Students explore the topics of gravity and forces, fiber and fabrics, and food and nutrition through three half-hour videos focusing on the U. S. Shuttle Program. Blue Sky participants may further develop essential leadership and life skills through supplemental 4-H learning opportunities relating to this exciting educational program.

Basic Resources:

- Student/Member's Mission Manual
- Teacher/Leader's Guide
- Student Membership Card
- Student Completion Certificate

Supplemental Resources:

- Blue Sky Classroom Bulletin Board

4-H SCHOOL ENRICHMENT EXTENDED CLASSROOM CURRICULA

The following 4-H programs are intended to supplement existing 4-H school enrichment classroom curricula in an out-of-school setting. Interested teachers should contact their local 4-H office for further information.



4-H Environmental Education

Ages 7 - 14, Grades 2 - 8

Overview: From September through May, two- to four-night outdoor and environmental education programs are provided for students at Betsy-Jeff Penn 4-H Center near Reidsville, Sertoma 4-H Camp near Danbury, and Millstone 4-H Camp near Ellerbe. The on-site program staff works with visiting classroom teachers to provide academic classes based on a multi-disciplinary curriculum including science, social studies, math, language arts, music, art, and physical education.

Class offerings include: Pond Ecology, Forest Communities, Weather, Geology and Soils, Life of a Tree, Wildlife, An Insect's Miniature World, Reptiles and Amphibians, Birds and Flight, Water Study, Compass and Orienteering, Maps and Mapping, Indian Life, Pioneer Life, "Challenging the Ropes," Canoeing, Astronomy, Night Life, Town Meeting, and Heritage Dance.

Basic Resources:

- Student Program Journal
- Teacher's Administrative Guide
- Academic Program Guide
- Certificates of Completion
- Teaching Kit

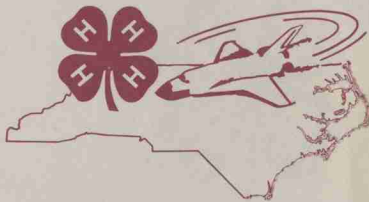
4-H Missions in Space

Ages 9 - 12, Grades 4 - 6

Overview: Offered at Penn 4-H Center near Reidsville, 4-H Missions in Space are one- to three-day educational learning packages ("orbits") focusing on high technology areas of foods, fibers, and space science. The programs consist of teacher-led instructional units delivered in a resident camp setting and supported by professional camp staff. 4-H Missions in Space are an excellent follow-up experience to the Blue Sky Below My Feet classroom program.

Basic Resources:

- Teacher/Leader Lesson Guide
- Certificates of Completion
- Student Work Sheets



THANK YOU



4-H recognizes the central role played by the classroom teacher in making 4-H school enrichment projects possible. We thank you for being part of the 4-H team!

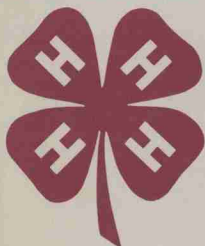


4-H TRADITIONS

In addition to offering educationally sound curricula and functional, experience-based teaching techniques, 4-H has a rich heritage with many time-honored traditions.

- 4-H Emblem:** The green four-leaf clover has a white "H" on each leaf to represent one of the four H's - Head, Heart, Hands, and Health.
- 4-H Colors:** The white in the clover symbolizes purity. The green, nature's most common color, represents life, growth, and youth.
- 4-H Pledge:** I pledge:
My Head to clearer thinking,
My Heart to greater loyalty,
My Hands to larger service, and
My Health to better living,
for my Club, my Community, my Country, and my World.
- 4-H Slogan:** "Learn by Doing" is the 4-H member's way of acquiring new skills and knowledge. Group experiences are the means by which youth gain social skills while interacting with others.
- 4-H Motto:** "To Make the Best Better" expresses the 4-H goal of continually improving individual efforts and the desire to grow together to build better clubs, schools, families, and communities.

NORTH CAROLINA



GROWING TOGETHER

Your local 4-H contact is:

or dial 1-800-662-7301

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