Project Learning Lab Kits were developed at The Ohio State University - Curriculum Materials Service. Kits are designed for hands-on learning. They can be used for Project Leader meetings, Skillathon practice or in any situation where resource information is needed. The contents of the kit are designed to be clear, concise, and durable.

Information on each kit can be found at: [http://www.ohio4h.org/projects-publications/learning-lab-kits](http://www.ohio4h.org/projects-publications/learning-lab-kits)

Eleven different Learning Lab Kits are available for check-out from the NE Area Extension Office: Beef, Dairy, Dog, Goat, Horse, Lawn Care, Plant Identification, Poultry, Rabbit, Sheep and Swine. Kits are available for a month at a time. To reserve a kit ask your Extension Agent to contact the NE Area Office. To ensure availability, reserve the kit as early as possible.

**General Contents:** Each kit contains an Educator’s Resource Materials Set - This resource contains masters of the learning laboratory kit contents - situation/task statements, charts and diagrams, identification tags, and instructions and an Educators’ Curriculum Guide. All posters, charts, prints, and situation/task statements are laminated for increased durability with answer keys on reverse side. These products may be written on with a water-based marker and then wiped off. Kit includes velcro to adhere identification tags, and zipper pouches for tag storage. Each kit is packaged in a durable canvas carrying case for easy use, storage, and transportation.

**Components of Each Learning Lab**

### Beef Learning Lab Kit
The *Beef Learning Lab kit* includes materials and suggestions for activities that cover:
- **ANATOMY:** beef body parts
- **BREEDS:** breed images and traits
- **CONFORMATION:** feet and leg structural differences
- **MEAT CUTS:** retail and wholesale meat cut images and body locations
- **MEDICINE LABELS / INSERTS:** parts identification and interpretation, proper injection site
- **ANIMAL HANDLING:** safe animal handling and management

### Dairy Learning Lab Kit
The *Dairy Learning Lab Kit* includes materials and suggestions for activities that cover:
- **ANATOMY:** dairy cow body parts, mammary structures
- **BREEDS:** breed images and traits
- **CONFORMATION:** feet and leg structural differences
- **MEDICINE LABELS / INSERTS:** parts identification and interpretation, proper infusion sites
- **ANIMAL HANDLING:** safe animal handling and management
**Dog Learning Lab Kit**
The *Dog Learning Lab Kit* includes materials and suggestions for activities that cover:
- **ANATOMY**: dog body parts, skeleton, foot, foot bones, pads, and phalanges
- **BREEDS**: breed images and traits
- **ANIMAL CARE AND MANAGEMENT**: behavioral postures, parasites, muzzling, bathing, nail trimming, lifting, health care, licensing, and records
- **CONFORMATION**: bites, ears, and eyes; feet, pasterns, and stifles; front and rear legs; tails
- **EQUIPMENT**: care and grooming
- **FACILITY MANAGEMENT**: safety and sanitation issues

**Goat Learning Lab Kit**
The *Goat Learning Lab Kit* includes materials and suggestions for activities that cover:
- **ANATOMY**: dairy and Angora goat body parts, skeletal system, mammary structures
- **CONFORMATION**: feet and legs, topline, mammary structures
- **HOOF TRIMMING**: hoof parts, tools, trimming technique
- **IDENTIFICATION SYSTEMS**: reading tattoos, proper tattooing techniques (template)
- **SCORING**: junior doe, senior doe, showmanship
- **MEDICINE LABELS / INSERTS**: parts identification and interpretation, proper injection sites
- **MEAT CUTS**: wholesale cuts of Chevon
- **ANIMAL HANDLING**: safe animal handling and management

**Horse Learning Lab Kit**
The *Horse Learning Lab Kit* includes materials and suggestions for activities that cover:
- **ANATOMY**: horse body parts, skeleton, leg, hoof, digestive tract, teeth, reproductive tracts
- **CONFORMATION**: legs - front and side views
- **MEDICINE LABELS / INSERTS**: parts identification and interpretation
- **ANIMAL HANDLING**: safe animal awareness, care, and handling
- **NUTRITION**: plant images and descriptions, **feed sample set**
- **TACK AND EQUIPMENT**: images and descriptions for general, English, Western, draft, driving, racing tack/equipment

**Lawn Care Learning Lab Kit**
The *Lawn Care Learning Lab Kit* includes materials and suggestions for activities that cover:
- **EQUIPMENT**: basic equipment and tools
- **GRASSES**: grass plants, cool season grasses, turfgrass growing zones
- **PESTS AND DISEASES**: insect, disease, and weed identification images; insect feeding zones
- **LAWN CARE**: lawn care calendar
- **SEED AND FERTILIZER**: bag label parts identification and interpretation
- **SOIL TESTING**: soil sample collection
- **ROOTS**: root development

**Plant Identification Learning Lab Kit**
The *Plant Identification Learning Lab Kit* includes materials and suggestions for activities that cover:
- **GENERAL CHARACTERISTICS**: plant habit, shape, size, and texture
- **BARK**: bark types and images
- **STEMS**: stem anatomy, types and images
- **LEAVES**: leaf anatomy, types, and images
- **FLOWERS**: flower anatomy, types, and images
- **FRUIT**: fruit types and images
- **BUDS**: identification of scales
- **BUD AND LEAF ARRANGEMENT**: practice activities
Poultry Learning Lab Kit
The Poultry Learning Lab Kit includes materials and suggestions for activities that cover:
ANATOMY: poultry body parts for chicken (hen), turkey, duck, goose, and bird combs
BREEDS: images and traits for Bantams, large fowl, water fowl, turkeys, and more
MEAT CUTS: images for chicken and turkey meat cuts
EGGS: evaluation of exterior/interior quality, cartons, layers, breakout quality, and individual egg shells
CARCASS EVALUATION: carcass images for chicken and turkey
QUALITY ASSURANCE: medication label/insert parts indentification and interpretation
EQUIPMENT AND FACILITY MANAGEMENT: brooder, equipment, temperature, arrangement, and animal handling

Rabbit Learning Lab Kit
The Rabbit Learning Lab Kit includes materials and suggestions for activities that cover:
ANATOMY: rabbit body parts
BREEDS: images and traits for rabbits and cavies
CONFORMATION: legs and hips, tails and ears
IDENTIFICATION SYSTEMS: tattooing procedures and techniques
GENETICS AND REPRODUCTION: genetic outcomes, genotypes, alleles, and gender determination at different ages
SELECTION AND EVALUATION: images and descriptions for faults and disqualifications
QUALITY ASSURANCE: images and descriptions for ailments and disorders, safe animal handling, caging, and sanitation

Sheep Learning Lab Kit
The Sheep Learning Lab Kit includes materials and suggestions for activities that cover:
ANATOMY: sheep body parts and skeleton
BREEDS: images and traits
CONFORMATION: feet and leg structure
MEAT CUTS: retail and wholesale cuts of lamb
MEDICINE LABELS/INSERTS: parts identification and interpretation, proper injection sites
ANIMAL HANDLING: safe animal handling and management

Swine Learning Lab Kit
The Swine Learning Lab Kit includes materials and suggestions for activities that cover:
ANATOMY: swine body parts and skeleton
BREEDS: images and traits
IDENTIFICATION SYSTEM: ear notching procedures and techniques
MEAT CUTS: retail and wholesale cuts of pork
MEDICINE LABELS / INSERTS: parts identification and interpretation, proper injection sites
ANIMAL HANDLING: safe animal handling and management