



Project Learning Lab Kits



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>

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

BREEDS: breed images and traits

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

BREEDS: breed images and traits

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 identification 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



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