



Mountrail County 4-H Educational Trunks

Educational trunks are provided by the Mountrail County 4-H & Extension Office.

Educational trunks are a great resources for Extension professionals, clubs, volunteer leaders, and 4-H members to use to support hands-on project learning. They include experiential activities, directions and most materials to conduct an educational lesson.

Educational Trunks

- 4-H clubs and members must contact the Mountrail County NDSU Extension/4-H office to reserve a trunk.
- Provide the title of the trunk and the dates you will need the trunk, keep in mind you will want time to review the trunk and gather supplies not included prior to leading an educational lesson.
- Trunks may be checked out for up to 30 days.
- Borrower and NDSU Extension professionals are responsible for completing an inventory of trunk materials before and after the trunks are used.

Rules for the 4-H Educational Trunks

Managing these trunks without your help would not be possible. These expectations must be met for clubs & members to use 4-H trunks:

- Return the inventory and reporting forms with the trunk. If these forms are not returned with the trunk and items are missing, borrower may be charged for missing items.
- Borrower will be restricted from reserving future/additional trunks until the bill has been paid.
- To prevent from being charged for a missing item, conduct an inventory of the trunk when you receive it and before you return it. If an item is missing, notify the NDSU Ext./4-H office immediately.

Trunk Supplies

- Review the trunk inventory sheet to determine items that need replenished if used or purchased for projects.
- Please indicate if items are low or depleted on the inventory sheet so that they can be replaced.

Questions or interested in Checking Out a Trunk?

Contact the Mountrail County
NDSU Extension/4-H Office.

Contact Info:

Lynnette Vachal - Extension Agent
ndsu.mountrail.extension@ndsu.edu
701-628-2835 Ext. 1
8103 61st St NW, Stanley

Trunk Quick View:

- Animal Feeds
- Animal Tracks
- Beading
- Breakout Edu
- Citizenship/Flag Folding
- Cricut & Heat Press
- Engineering & Design
- Grain Cleaning
- Griddle
- Leathercrafting
- Lego WeDo & Mindstorm
- Livestock in a Box!
Beef - Pets - Sheep - Swine
- Ozobots **
- Plant/Range Judging
- Bottle Rocket
- Bottle Tornado
- Rabbit Lab Kit
- Scrapbooking
- Seed ID
- Sewing
- Soldering/Burning Tools
- Tree Identification
- Woodburning
- Wood Identification

Animal Feeds Trunk:

Includes: 23 feed samples, animal feed match game, & answer key



Animal Tracks Trunk:

Includes: Over 20 species! Track & scat molds, info. cards & hands-on activities

Need to Supply: Casting materials, water, & gloves



Beading Trunk:

Includes: Massive supply of beads!

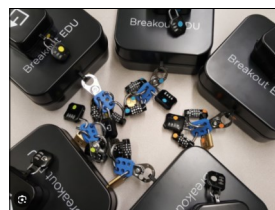
Need to Supply: All other supplies. This is a limited time trunk and supplies will likely not be replenished!



Breakout Edu Trunk:

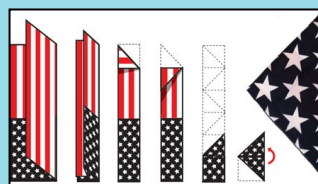
Includes: 5 Breakout Edu Boxes, locks, & codes

Need to Supply: Your imagination and lesson plans!



Citizenship/Flag Folding Trunk:

Includes: 4 US flags, flag folding instructions & etiquette



Cricut & Heat Press Trunk:

Includes: Cricut machine, small/large heat press, and majority of tools needed



Need to Supply: Laptop, cords, downloaded program that goes onto laptop from internet, vinyl, & other desired personalized items

Engineering & Design Trunk (previously Rube Goldberg):

Description: Use assorted materials to create a [chain reaction](#) – type machine or contraption intentionally designed to perform a simple task in an indirect and (impractically) overly complicated way.

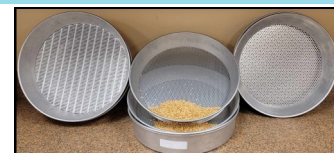
Includes: 160 marbles in tin can, 18 tennis balls, 14 emoji golf balls, 12 toy trucks, mouse hunt game pieces, string, pins, empty thread spools, balloons, & straws. **Need to Supply:** Please replace any supplies used. You will need any additional supplies you would like to create your design! **Use your imagination!**



Grain Cleaning Trunk:

Need to Supply: Additional grain varieties

Includes: 8 Sieves - Various sizes separating sticks & grain



Griddle Trunk:

* Use for any cooking project *

Includes: Two griddles and spatulas



Leathercrafting Trunk:

Includes: Leathercrafting manual, large assortment stamps, tools, and other leathercrafting essentials. Great trunk for beginners or advanced experience.

Need to Supply: Leather and/or project kits, stain, and other project specific materials.



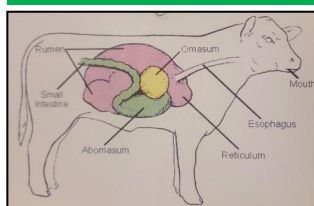
Livestock in a Box - FOUR options available!

Each Includes:

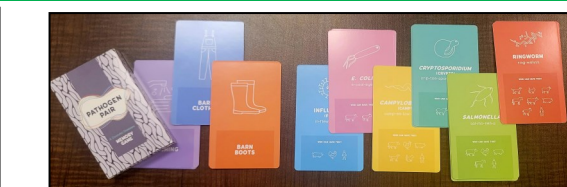
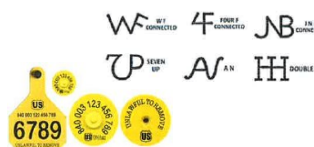
Each trunk includes a large variety of publications to teach you in depth knowledge on breeds, identification, food & nutrition, health & more! Each offer many fun and educational activities!

Need to Supply: Possibly an assortment of perishable goods depending on the activities you do. Must replace used items.

#2 - BEEF PROJECT



How do we tell cattle apart?



What beef breed is for me?



#1 - PET PROJECT

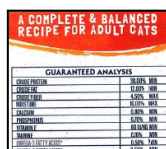
What Kind of Pet is Right for Me?



Learning About Pet Health?



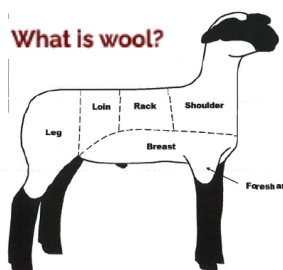
Making Your Own Pet Food Ration



#3 - SHEEP PROJECT

Why do we feed sheep ground or pelleted feed?

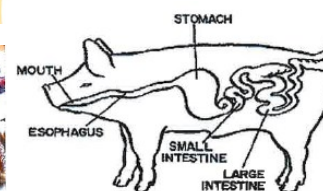
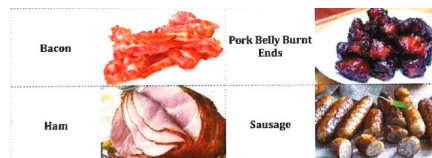
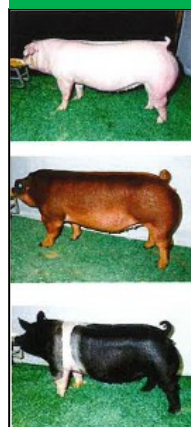
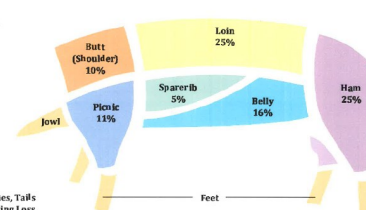
What is wool?



	Human Normal	Sheep Normal
Respiration:	12-20 breaths a minute	16-34 breaths per minute

#4 - SWINE PROJECT

Pork Wholesale Cut Diagram



Plant/Range Judging Trunk:

Includes: Physical examples of over 60 North Dakota Range Plants & Range Judging Handbook



Pop Bottle Rocket STEM Trunk:

Includes: Launching Kit, Bottles, Educational Material

Need to Supply: Water & Hose



Scrapbooking Trunk:

Includes: Large assortment of stamps, crimpers, templates, scissors, stickers, etc. Some paper products available.

Need to Supply: Personal photos, paper, album sheets, and other specialized materials.



Seed ID Trunk:

Includes:

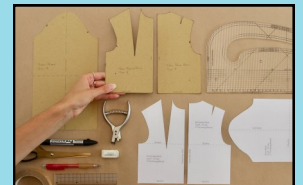
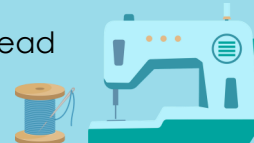
Assorted ND Seeds and educational materials



Sewing Trunk:

Includes: 3 sewing machines, several spools of colored thread

Need to Supply: Sewing project & additional supplies



Soldering/Burning Trunk: *can use for projects like Lariat Rope Art *

Includes: 10 soldering tools & tips for each

Need to Supply: Project materials & electric cords



STEM - Bottle Tornado Trunk:

Includes: Bottles, connectors, and instructions

Need to Supply: Water and extras such as food coloring or objects to go into water



Tree Identification Trunk:

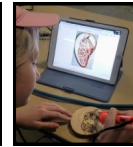
Includes: Physical examples of over 60 North Dakota Tree/Leaves & educational materials



Woodburning Trunk:

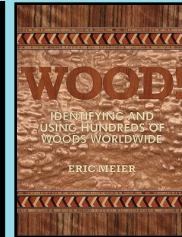
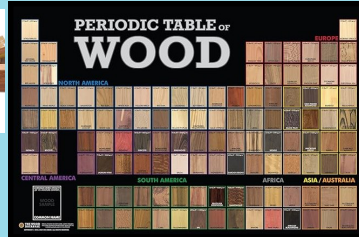
Includes: 11 Complete Woodburning Kits w/ 12 tips & stands. Assorted additional supplies!

Need to Supply: Wood or project to use tools on, patterns, power cords, & tools



Wood Identification Trunk:

Includes: Large assortment of wood samples, educational materials, quizzes, & Periodic Table of Wood poster



This publication is located online at:
<https://tinyurl.com/MC4HTrunks>

Other Specialty Trunks Available Upon Request:

Lego WeDo & Mindstorm NXT v1 Trunks

Ozobot Trunk (training and special programs required)

MOUNTRAIL COUNTY 4-H

PICK YOUR PROJECT

SHARE YOUR TALENTS AND PASSIONS WITH LOCAL YOUTH!

We are looking for talented individuals or groups to put on educational project workshops for 4-H youth!

Just a few project areas to present within:



OUTDOOR SKILLS

ARTS & CRAFTS

HEALTH

SCIENCE, ENGINEERING, & TECHNOLOGY



LEADERSHIP



PHOTOGRAPHY

CIVIC ENGAGEMENT

Interested or have ideas? Reach out to the Mountrail County NDSU Extension Office at lynnette.vachal@ndsu.edu or 701-628-2835 Ext. 1



HEAD



HEART



HANDS



HEALTH

NDSU EXTENSION

EXTENDING KNOWLEDGE >> CHANGING LIVES

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