2017-2018
North Dakota 4-H
Literature, Material
And
Educational Resource Guide

(For Internal Use by Extension Staff Only)
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**Additional Beef Project Publications**

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**DAIRY CATTLE**

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**Additional Dairy Cattle Publications**

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**GOATS**

**Dairy**

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**Additional Dairy Goat Publications**

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<td>GBG146 Meating the Future, Level 3, 2003</td>
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**Additional Goat Publications**

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<td>GBH157 4-H Working Horse Levels 1-4, Montana 2013</td>
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**Additional Horse Publications**

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* Order from Ag Comm Distribution Center – 231-7883  
+ Order from www.4-hmall.org/Category/4-hcurriculum  
= 4-H video check out library – 231-7251  
WEB – www.ndsu.edu/4h  
* Center for 4-H website
## PETS

**Cat**
- GBD131  Purr-fect Pals, Level 1, 2005
- GBD132  Climbing Up, Level 2, 2005
- GBD133  Leaping Forward, Level 3, 2005
- GBD231  Cat Helper's Guide, 2005

**Dog**
- GBE131  Wiggles and Wags, Level 1, 2005
- GBE132  Canine Connection, Level 2, 2005
- GBE133  Leading the Pack, Level 3, 2005
- GBE236  Dog Helper's Guide, 2005

**Pet**
- GBK161  Pet Pals, Level 1, 2001
- GBK162  Scurrying Ahead, Level 2, 2001
- GBK163  Scaling the Heights, Level 3, 2001

## POULTRY

- GBC121  Scratching the Surface, Level 1, 2002
- GBC122  Testing Your Wings, Level 2, 2002
- GBC123  Flocking Together, Level 3, 2002

### Additional Poultry Publications

- GBC095  Poultry Record, 2011  (WEB ONLY)

## RABBITS

- GBI151  What's Hoppening? Level 1, 2004
- GBI152  Making Tracks, Level 2, 2004
- GBI153  All Ears, Level 3, 2004
- GBI257  Rabbit Helper's Guide, 2004

### Additional Rabbit Publications

- GBI095  Rabbit Record  (WEB ONLY)

## SHEEP

- GBJ161  Rams, Lambs & You, Level 1, 2003
- GBJ162  Shear Delight, Level 2, 2003
- GBJ163  Leading the Flock, Level 3, 2003
- GBJ095  4-H Sheep Breeding Project Lifetime Record, 2012  (WEB)  *
- GB095  ND 4-H Sheep or Beef Breeding Project Record, 2012  (WEB ONLY)
- GB096  4-H Market Animal Project Record, 2012  (WEB ONLY)

### Additional Sheep Publications

- GBJ166  Youth Market Lamb Project Guide, 2009  $2 or (WEB)  *

## SWINE

- GBL171  The Incredible Pig, Level 1, 2004
- GBL172  Putting the Oink in Pig, Level 2, 2004
- GBL173  Going Whole Hog, Level 3, 2004
- GBL095  ND 4-H Swine Breeding Project Record, 2016  (WEB)  *
- GB096  4-H Market Animal Project Record, 2012  (WEB ONLY)

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= 4-H video check out library – 231-7251
WEB – www.ndsu.edu/4h · Center for 4-H website
VETERINARY SCIENCE
HBI111 From Airedales to Zebras, Level 1, 2004 +
HBI112 All Systems Go, Level 2, 2004 +
HBI113 On The Cutting Edge, Level 3, 2004 +
HBI211 Veterinary Science Group Activity Helper’s Guide, 2004 *

PLANT SCIENCE

CROP PRODUCTION
GCA091 Preparing Crop Sheaves for Exhibit, 2015 (WEB ONLY)
GCA095 Crop Production Worksheet, 2016 (WEB) *
GCA671 ND Seed Identification Guide, 2005 (WEB ONLY) *
GCA672 Identifying Weeds and Their Seeds, Revised 2017 $2 or (WEB) *

HORTICULTURE (Gardening)
GCC102 Let’s Get Growing, Level B, 2016 +
GCC103 Take Your Pick, Level C, 2016 +
GCC104 Growing Profits, Level D, 2016 +
GCC201 Gardening Helper’s Guide, 2016 *
GCB192 Growing Flowers for Containers and Gardens, 2015 (WEB ONLY)
GCC01 4-H Container Gardening, 2009 (WEB ONLY)
GCC091 Harvesting and Preparing Vegetables for Exhibit, 2009 (WEB ONLY)
GCC095 Garden Journal, 2013 $2 or (WEB) *
GCC193 Gardening Delights for All, 2012 $2 *

ENVIRONMENTAL AND EARTH SCIENCES

ENTOMOLOGY (INSECTS)
Butterfly
HBC111 Project Butterfly WINGS, 2009 –Digital Download Only +
HBC213 Project Butterfly WINGS, Facilitators Guide, 2009 - Digital Download Only *

Entomology
HBC101 Teaming with Insects, Level 1, 2011 +
HBC102 Teaming with Insects, Level 2, 2011 +
HBC103 Teaming with Insects, Level 3, 2011 +
HBC212 Teaming with Insects Facilitators Guide, 2011 *

FORESTRY
DDA111 Follow the Path, Level 1, 2004 +
DDA112 Reach for the Canopy, Level 2, 2004 +
DDA113 Explore the Deep Woods, Level 3, 2004 +
DDA211 Forestry Helper’s Guide, 2004 *

OUTDOOR SKILLS
Outdoor Adventures
DEA101 Hiking Trails, Level 1, 2004 +
DEA102 Camping Adventures, Level 2, 2004 +
DEA103 Backpacking Expeditions, Level 3, 2004 +
DEA201 Outdoor Adventures Helper’s Guide, 2004 *

Birdwatching
DDC111 Birdwatching in ND, 2005 (WEB ONLY)

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= 4-H video check out library – 231-7251
WEB – www.ndsu.edu/4h * Center for 4-H website
### Fishing
- **DDC101**  Take the Bait, Level 1, 2002
- **DDC102**  Reel in the Fun, Level 2, 2002
- **DDC103**  Cast Into the Future, Level 3, 2002
- **DDC201**  Sport Fishing for Adventure Group Activity Guide, 2002

### Shooting Sports
- **DEB101**  Introduction to ND 4-H Shooting Sports Program, 2005
- **DEB102**  ND Safe Shooter Manual, 2005
- **DEB092**  ND 4-H Shooting Sports Rifle Rules, 2005

### ENVIRONMENT
#### Exploring Your Environment
- **DA111**  Earth’s Capacity, Level 1, 2010
- **DA112**  Ecosystem’s Services, Level 2, 2010
- **DA201**  Facilitator Guide, 2010

#### Nature Trails
- **DD121**  Nature Trails, Level 1, 2004
- **DD122**  Nature Trails, Level 2, revised 2014
- **DD123**  Nature Trails, Level 3, 1994
- **DD221**  Nature Trails, Leader's Guide, Unit 1, 1991

### Wildlife
- **DDC121**  Wildlife, Level A, 2005
- **DDC122**  Wildlife, Level B, 2005
- **DDC123**  Wildlife, Level C, 2005
- **DDC124**  Wildlife, Level D, 2005

### SCIENCE, ENGINEERING AND TECHNOLOGY
#### AEROSPACE
- **HCA131**  Pre-Flight, Stage 1, 2003
- **HCA132**  Lift-Off, Stage 2, 2003
- **HCA133**  Reaching New Heights, Stage 3, 2003
- **HCA134**  Pilot in Command, Stage 4, 2003

#### ELECTRICITY
- **HCE151**  Magic of Electricity, Level 1, 2002
- **HCE152**  Investigating Electricity, Level 2, 2002
- **HCE153**  Wired for Power, Level 3, 2002
- **HCE154**  Entering Electronics, Level 4, 2002
- **HCE251**  Electric Excitement Helper's Guide, 2002

#### WIND
- **DC101**  Power of the Wind, Youth Guide, 2008

#### SMALL ENGINES
- **HCG101**  Crank It Up!, Level 1, revised 2005
- **HCG102**  Warm It Up!, Level 2, revised 2005
- **HCG103**  Turn It Up!, Level 3, revised 2005
- **HCG256**  Small Engines Helper's Guide, revised 2005

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= 4-H video check out library – 231-7251
WEB – [www.ndsu.edu/4h](http://www.ndsu.edu/4h) - Center for 4-H website
WELDING
HCH163  Arcs & Sparks, Unit 1, 2002 $7.50 *
HCH164  4-H Arc Welding Project, Unit 2, 1993 $2 *

WOODWORKING
HCH101  Measuring Up, Woodworking Wonders, Level 1, 2002 +
HCH102  Making the Cut, Woodworking Wonders, Level 2, 2002 +
HCH103  Nailing It Together, Woodworking Wonders, Level 3, 2002 +
HCH104  Finishing it Up, Woodworking, Wonders, Level 4, 2002 +
HCH265  Woodworking Helper’s Guide, 2003 *

Additional Woodworking Publications
HCH099  Supplemental Woodworking Project Plans, 1995 $2 *

TECHNOLOGY
COMPUTER
HCD117  Discovering Computer Science and Programming through Scratch, Level 1, 2016 +
HCD217  Discovering Computer Science and Programming through Scratch Facilitator Guide, 2016 *

ROBOTICS
Robotics with EV3, 2015 +

CITIZENSHIP AND LEADERSHIP
CITIZENSHIP
Citizenship
AD201  WeConnect: Facilitator Guide *

Service Learning
AH101  Agents of Change!, 2005 +
AH201  Service Learning Helper’s Guide, 2005 *
AH103  My Hands to Larger Service, 2013, Ohio *

LEADERSHIP
FF103  My Leadership Portfolio, 2004 +
FF201  Leadership Mentor Guide 1 for Grades K-5, 2004 *
FF202  Leadership Mentor Guide 2 for Grades 6-12, 2004 *
FF105  Leadership Road Trip: Where Are You Going? 2013 +

COMMUNICATION
Express Yourself!
BA111  Module 1, 2015 +
BA112  Module 2, 2015 +
BA113  Module 3, 2015 +

CREATIVE ARTS
Creative Arts
CD122  Arranging Flowers, 1995 $2 *
FEI101  Building Plastic Models from a Kit (WEB ONLY)
BCA121  Working with Clay and Plaster, 1995 $2 *
BCA140  Glue Solution, 1997 $2 *
FG108  4-H Scrapbooking, 2006 $2 or (WEB) *
BCA125  Wood Arts, (decorative not construction), revised 2015 $2 *
BCD184  4-H Filmmaking Studio DVD (www.4-h.org/curriculum/filmmaking/) (WEB ONLY)
BCA151  Cake Decorating, 2001, University of Wyoming (WEB ONLY)
BCA171  Jewellery Making (WEB ONLY)

* Order from Ag Comm Distribution Center – 231-7883
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= 4-H video check out library – 231-7251
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### Health
- **ED111** First Aid in Action, 2005 +
- **ED112** Staying Healthy, 2005 +
- **ED113** Keeping Fit, 2005 +

### FAMILY AND CONSUMER SCIENCE

#### HOME ENVIRONMENT
- **CD109** Design Decisions (Grades 6-12) 2009 $8.95 *
- **CD110** Design My Place DVD (Grades 3-5), 2013 $9.95 *

#### CONSUMER MANAGEMENT

##### My Financial Future
- **CC131** My Financial Future: Beginner Notebook, 2014 +
- **CC122** My Financial Future: Advanced Notebook, 2014 +
- **CC231** My Financial Future: Facilitator Guide, 2014 *

##### FIBER ARTS
- **BCA155** How to Crochet, 2002 $7 *
- **BCA158** How to Embroider, 2002 $7 *
- **BCA156** How to Knit, 2002 $7 *
- **BCA165** Latch Hooking, Revised 2015 $2 *
- **BCA160** Macramé, Revised 2015 $2 or (WEB) *
- **BCA151** How to Needlepoint, 2002 $7 *
- **CB113** Quilting the Best Better! $7.50 *
- **CB112** You Can Quilt $7.50 *

##### CLOTHING AND TEXTILES
- **CB100** Pillows, Totes and More, Member Manual, 2013 $3 *
- **CB107** Sew Fun! 2011, Ohio $6 *
- **CB165** STEAM Clothing: Beyond the Needle, 2014 *

##### Purchasing
- **CB108** Shopping in Style CD $9.95 *

### GROUP PROJECTS

#### CLOVERBUD
- **FD040** I’m a Cloverbud – Members Book, 2014 (WEB) *
- **FD240** Cloverbud Leader Guide, 2013 (WEB) *
- **FD241** Cloverbud Parent Brochure, 2013 (WEB) *
- **FD090** Cloverbud Button $.50 *
- **FD001** Caring for a Pet, 2013 (WEB ONLY) *
- **FD002** Green and Growing, 2014 (WEB ONLY) *
- **FD003** Where in the World?, 2014 (WEB ONLY) *
- **FD004** Exploring With Electricity, 2013 (WEB ONLY) *
- **FD005** Way Cool Science, 2014 (WEB ONLY) *
- **FD006** Friends and Me, 2013 (WEB ONLY) *
- **FD007** Setting the Table, 2014 (WEB ONLY) *
- **FD008** Rooted in Community, 2014 (WEB ONLY) *
- **FD009** Cultural Kaleidoscope: American Indians, 2014 (WEB ONLY) *
- **FD010** Nature Explorers, 2014 (WEB ONLY) *
- **FD011** Insect Investigations, 2014 (WEB ONLY) *
- **FD012** Printing with Nature, 2014 (WEB ONLY) *

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* Order from Ag Comm Distribution Center – 231-7883
+ Order from www.4-hmall.org/Category/4-hcurriculum
= 4-H video check out library – 231-7251
WEB – www.ndsu.edu/4h · Center for 4-H website
FD013  Building Works of Art, 2013  (WEB ONLY)
FD014  Needlepoint on Plastic Canvas, 2014  (WEB ONLY)
FD015  Textile Creations, 2014  (WEB ONLY)
FD016  Color Your World, 2014  (WEB ONLY)
FD017  Dairy Treats, 2014  (WEB ONLY)
FD018  Food Adventurer, 2014  (WEB ONLY)

**Additional Cloverbud Resources**
FD002  Seed Chart (goes with Green and Growing)  (WEB ONLY)
FD003  Continent Cut Outs Handout (goes with Where in the World?)  (WEB ONLY)
FD005  Kissing Fish Handout (goes with Way Cool Science)  (WEB ONLY)
FD007  Napkin Folding Handout (goes with Setting the Table)  (WEB ONLY)
FD007  Secret Table Manners Handout (goes with Setting the Table)  (WEB ONLY)
FD009  Magic Cedar Basket Handout (goes with Cultural Kaleidoscope)  (WEB ONLY)

**OTHER GROUP PROJECTS**

*After-School Agriculture*
GA201  Acres of Adventures 1, Helper's Guide  +
GA202  Acres of Adventures 2, Helper's Guide  +

*Exploring 4-H*
FD101  Exploring the Treasures of 4-H  +
FD201  Treasures of 4-H Helper's Guide (one per county office)  +

*There’s No New Water*
DBD201  There’s No New Water, 2010 (one per county office)  +

*Science Discovery Series*
D201  Science Discovery 1 (digital download from 4-H Mall)  +
D202  Science Discovery 2 (digital download from 4-H Mall)  +

*AWARDS*
PB823  Blank 4-H Certificate  *
PB824  Certificate of Participation  *
PB825  Certificate of Appreciation  *
PB831  Certificate of Award for Volunteers  *

*CHARACTER EDUCATION*
FH200  Character Counts for Clubs/Groups – Leader/Helper Guide, 1998  *

*CLUB MATERIALS*
PA092  My 4-H Program Book (all members) Revised 2013  (WEB) *
PA093  Planning For My Project Adventure (8-10 years old)  (WEB) *
PA094  Complete Record Set Coversheet (8-10 year old), Revised 2015  (WEB) *
PA095  Project Plan (11-18 year old), Revised 2015  (WEB) *
PA096  Plan of Action, 2015  (WEB) *
PA097  Complete Record Set Coversheet (11-18 years old), 2015  (WEB) *
PA098  Participation Summary (11-19 years old), 2012  (WEB) *
PA800  4-H Project Guide, (Revised each year)  (WEB) *
PA801  Meetings the 4-H Way, 4-H Officer’s Handbook, 2012  (WEB) *
PA802  Club Reporter, 2006  (WEB) *
PA803  Secretary’s Book, Revised 2015  (WEB) *
PA804  Treasurer’s Book, Revised 2013  (WEB) *
PB430  Request for Official Approval Establishment of New 4-H Unit, 2007  (WEB ONLY) *
PB433  Leader Enrollment Form, (Revised each year)  (WEB) *

* Order from Ag Comm Distribution Center – 231-7883
+ Order from [www.4-hmall.org/Category/4-hcurriculum](http://www.4-hmall.org/Category/4-hcurriculum)
= 4-H video check out library – 231-7251
WEB – [www.ndsu.edu/4h](http://www.ndsu.edu/4h) · Center for 4-H website
| PB434 | Member Enrollment Form, (Revised each year) | (WEB) * |
| PB726 | ND 4-H Literature, Material and Educational Resource Guide | (WEB ONLY) |
| PB727 | Membership Card, Revised 2016 | (WEB) * |
| PB728 | Adult Health Statement, 2002 | (WEB) * |
| PB730 | ND 4-H Health Form, Revised 2015 | (WEB) * |
| PB731 | Participant Expectations & Media Form (Youth Code of Conduct), Revised 2015 | (WEB) * |
| PB820 | North Dakota 4-H Foundation Scholarship Application, Revised 2016 | (WEB ONLY) |
| PB821 | Adult Application to Participate in 4-H Functions, 2007 | (WEB ONLY) |
| PB822 | North Dakota 4-H Ambassador Application, Revised 2017 | (WEB ONLY) |
| PB826 | Volunteer Identification Card, 2003 | * |
| PB828 | 4-H National Trip Application Instructions | (WEB ONLY) |
| PB830 | Hall of Fame Nomination Form, 2002 | (WEB ONLY) |

**FAIRS & EXHIBITS**

**Miscellaneous Supplies**

| PD557 | Exhibit Numbers 1-50, 51-100, 101-150, 151-200, 201-250, 251-300, 301-350, 351-400* | (WEB) *
| PD558 | Blank Card for Exhibit Numbers, 2005 (packets of 25 - $5.00) | (WEB) *
| PD560 | Small Animal Cage Labels | (WEB) *
| PD561 | Livestock Exhibit Stall Cards (packet of 100-15.00) | (WEB) *
| PD562 | Horse Exhibit Stall Cards (packet of 100 - $15.00) | (WEB) *
| PD569 | Exhibit Tags for Laser Printer using FAIRTAB $(packets of 50 sheets/300 tags-$5.00) | (WEB) *
| PA100 | Where Do I Enter This Exhibit? Bookmark?, Revised 2017 | (WEB) *

**State Fair Supplies**

| Exhibit List (hard copy from 4-H office) | (WEB ONLY) |

**JUDGING AND CONTEST RESOURCES**

**Large Livestock – Beef, Dairy, Goats, Sheep and Swine**

| GB091 | Live Animal Evaluation Manual, Revised 2013 | $2 or (WEB) * |
| GB092 | 4-H Livestock Showmanship Manual, revised 2016 | $2 or (WEB) * |
| GBG091 | Goat Showmanship Manual, 2004 | $2 or (WEB) * |
| GBJ097 | 4-H Lamb Ultrasound Carcass Value Evaluation | (WEB ONLY) |

**Horse**

| GBH092 | North Dakota Horse Show Rules and Judging Guide, 2016 | $2 or (WEB) * |
| GBH646 | Horse Judging Guide, 2004 | $2 |

**Poultry**

| GBC091 | Poultry Fitting and Showmanship Contest Outline, Revised 2016 | $2 |

**Crop**

| GCA671 | ND Crop Judging Guide, 2005 | (WEB ONLY) |
| GCA673 | Market Grade Factor Identification Placing Cards | (WEB) * |
| GCA674 | Weed Seed Identification Placing Cards | (WEB) * |
| GCA675 | Weed Mount Identification Placing Cards | (WEB) * |
| GCA676 | Market Class Score Card | (WEB) * |
| GCA677 | Seed Grain Class Score Card | (WEB) * |
| GCA678 | Market Grading Class Grain Inspection Report | (WEB) * |
| GCA682 | Official Scorecard Key | (WEB) * |
| GCA683 | Tabulation Sheet (abbreviated) | (WEB) * |
| GCA687 | Crop and Weed Seed Identification Card | (WEB) * |
| GCA688 | Crop and Weed Plant Identification Card, 2005 | (WEB) * |
| GCA689 | Agronomy Disorders Score Card, 2016 | (WEB) * |

* Order from Ag Comm Distribution Center – 231-7883
+ Order from www.4-hmall.org/Category/4-hcurriculum
= 4-H video check out library – 231-7251
WEB – www.ndsu.edu/4h . Center for 4-H website
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<td>Promote 4-H Contest Guidelines, Revised 2014</td>
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<td>Sew and Show Constructed Information Sheet and Evaluation Form, 2015</td>
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<td>PA501</td>
<td>Helping Youth Evaluate the 4-H Educational Experience (Supplement to guide for judges), 2002</td>
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<td>Interview Judging, 2012</td>
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<td>PD602</td>
<td>Peach Judging Cards</td>
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* Order from Ag Comm Distribution Center – 231-7883
+ Order from [www.4-hmall.org/Category/4-hcurriculum](http://www.4-hmall.org/Category/4-hcurriculum)
= 4-H video check out library – 231-7251
WEB – [www.ndsu.edu/4h](http://www.ndsu.edu/4h) - Center for 4-H website
PD603   Ivory Judging Cards          * 
PD604   Gold Judging Cards          * 
PD605   Gray Judging Cards          * 
PD606   Green Judging Cards          * 
PD607   Yellow Judging Cards          * 
PD608   Blue Judging Cards          * 
PD612   Tabulation Sheets for Livestock and Consumer Choices Judging, 2002          * 

RECRUITMENT MATERIALS
PC845   4-H Your Passport to Adventure Brochure, 2010          * 
PC846   4-H Your Passport to Adventure Booklet, 2010          * 
PC847   4-H Your Passport to Adventure Bookmark, 2010          * 
PC848   4-H Your Passport to Adventure Display Poster          * 
PC846   Discover the World Together – Be a 4-H leader (Volunteer Promotion) 2000          * 

MARKETING
PC901   4-H Makes a Difference Cards          * 
PC902   4-H Makes a Difference Brochure          * 
PC903   4-H Makes a Difference Small Poster          * 
PC904   4-H Makes a Difference Poster Set $40 per set          * 

RECREATION
FJ825   North Dakota 4-H Recreation Games and Activities, 2011 (WEB)          * 

RESOURCE CURRICULUMS
PA201   Heads – on, Hands on: The Power of Experiential Learning, 2003 (one per county) (Also available at the 4-H video library) + = 

VOLUNTEER TRAINING
VT2   Nobody Asked Me, 1991          * 
VT3   The 4-H Meeting, 1991          * 

YOUTH PROTECTION POLICY
PB400   Adult Behavior Expectations – Form A, 2016 (WEB ONLY) 
PB408   Application to Volunteer in Youth Programs – Form B, 2013 (WEB ONLY) 
PB406   Reference for Phone or Face to Face Interview – Form E, 2006 (WEB ONLY) 
PB407   Reference Check by Mail – Form F, 2006 (WEB ONLY) 
PB412   Request for Volunteer Screening Information from Another Agency Form G, 2010 (WEB ONLY) 
PB405   Confidentiality Statement – Form H, 2010 (WEB ONLY) 
PB410   Adult Chaperone Expectations for 4-H Events – Form I, 2016 (WEB ONLY) 
PB404   Report of Suspected Child Neglect or Abuse, Form J, 2001 (WEB ONLY) 
PB413   Application Log – Form K, 2002 (WEB ONLY) 
PB420   Check Sheet for Implementation of NDSU Extension Service Youth Protection Policy - Form Q, 2013 (WEB ONLY) 

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= 4-H video check out library – 231-7251 
WEB – www.ndsu.edu/4h - Center for 4-H website
EDUCATIONAL RESOURCES --- *(To be checked out through the Center for 4-H Youth Development)*

### 4-H PROMOTIONAL MATERIALS
**Table Cloths** – 4-H fabric square table toppers (need to be returned cleaned and pressed)

### CHARACTER COUNTS! MATERIALS *(See 4-H web site under Staff Resources for materials and description)*

### EDUCATIONAL TRUNKS
Educational trunks are group lessons provided by the Center for 4-H. These hands-on lessons include directions and all necessary materials. For checkout information, visit [www.ndsu.edu/4h/staff_resources/material_check_out/educational_trunks/](http://www.ndsu.edu/4h/staff_resources/material_check_out/educational_trunks/)

With the support of the North Dakota 4-H Foundation, North Dakota 4-H has created several 4-H educational resource trunks for Extension staff, volunteer leaders and 4-H members to check out and use in their 4-H programming efforts.

**Where Trunks Are Housed:**

- NDSU Agriculture Communication Distribution Center, Morrill Hall 10, Fargo  
  - Contact person – Sharon Lane, [sharon.lane@ndsu.edu](mailto:sharon.lane@ndsu.edu), (701) 231-7883

- Burleigh County Extension office, 3715 Bismarck Expressway E., Bismarck  
  - Contact person – Amelia Doll, [amelia.doll@ndsu.edu](mailto:amelia.doll@ndsu.edu), (701) 221-6865

- Cass County Extension office, 1010 2nd Ave S, Fargo  
  - Contact person – Maxine Nordick, [maxine.nordick@ndsu.edu](mailto:maxine.nordick@ndsu.edu), (701) 241-5700

- Morton County Extension office, 210 2nd Ave. N.W., Mandan  
  - Contact person – Kari Presler, [kari.presler@ndsu.edu](mailto:kari.presler@ndsu.edu), (701) 667-3340

- Stark/Billings County Extension office, 1340 W. Villard St., Dickinson  
  - Contact person – Jane Heth, [jane.heth@ndsu.edu](mailto:jane.heth@ndsu.edu), (701) 456-7665

- Ward County Extension office, Courthouse, Room 101, Minot  
  - Contact person – Emily Goff, [mailto:emily.goff@ndsu.edu](mailto:emily.goff@ndsu.edu)(701) 857-6450

#### Checkout Procedure
- 4-H volunteers and members must contact their local county Extension office to reserve a trunk for their use. Only county Extension staff can make the reservations for these trunks.
- Trunks can be checked out for up to 30 days.
- Check the online trunk calendars to see when trunks are available from NDSU Fargo and Mandan.
- To reserve trunks in Burleigh, Cass, Stark/Billings and Ward counties, you will need to call the contact person in that county.
- Volunteers and county staff are responsible for completing an inventory of trunk materials and a reporting form sheet found inside the trunk. Complete the inventory before using the trunk and again after it has been used.
- The inventory and reporting forms must be returned with the trunk or faxed to (701) 231-8568.

### Rules for the 4-H Educational Trunks
The educational trunks are a great resource for supporting the educational component of the 4-H youth development experience. They include hands-on lessons, directions and the necessary materials to conduct a lesson on topics related to many subject matter areas in 4-H.

* Order from Ag Comm Distribution Center – 231-7883  
+ Order from [www.4-hmall.org/Category/4-hcurriculum](http://www.4-hmall.org/Category/4-hcurriculum)  
= 4-H video check out library – 231-7251  
WEB – [www.ndsu.edu/4h](http://www.ndsu.edu/4h) - Center for 4-H website
Managing these trunks without your help would not be possible. These expectations must be met for counties to continue to use the 4-H trunks:

- The inventory and reporting form must be returned with the trunk or faxed to (701) 231-8568.
- If these forms are not returned with the trunk and pieces are missing, counties using the trunk will be charged for the missing items.
- That office will be restricted from reserving future/additional trunks until the bill has been paid.

To prevent your office from being charged for a missing item, you must do an inventory of the trunk when you receive it and when you return it. If something is missing when you receive the trunk, please notify the Center for 4-H immediately.

**Trunk Supplies**

The user should replace all consumable items, such as batteries, before returning the trunk. Exceptions are:

- Printer cartridges and photo paper in the digital camera trunk
- Adhesive, 4-H paper and 4-H stickers in the scrapbooking trunk
- Owl pellets in the raptors trunk

Please indicate that items are low or depleted on the inventory sheet so they can be replaced.

Questions?
Email NDSU.4-H@ndsu.edu

**Trunks Available from the Distribution Center**
(10 Morrill Hall, NDSU, Fargo)

**Agriculture**
- **Healthy Soils Trunk**
  Healthy soil is productive soil. This kit contains lesson plans and supplies to conduct activities on soil water movement, rainfall simulation, water-holding capacity, soil structure and soil aggregate stability. The trunk includes items such as graduated cylinders, funnels, brushes and sieves. The user must provide soil and some of the larger catch containers.

**Animal and Plant Science**
- **Beef Learning Laboratory Trunk**
  This resource contains material from the masters of the learning laboratory kit, including situation/task statements, charts and diagrams, identification tags and instructions.

- **Dairy Learning Laboratory Trunk**
  This resource contains a curriculum guide with the “Critical Points of Quality Assurance and Animal Care” video, charts and diagrams, identification tags, planning calendar and much more.

- **Dog Learning Laboratory Trunk**
  This Educators Resource Materials set contains material from the masters of the learning laboratory kit, including situation/task statements, charts and diagrams, identification tags and instructions.

- **Goat Learning Laboratory Trunk**
  This resource contains a curriculum guide with the “Critical Points of Quality Assurance and Animal Care” video, hoof trimming poster, digestive track poster and much more.

- **Hippology Trunk**
  Hippology is the study of horses. By using the trunk, 4-H youth can study and learn about horses without owning a horse. This trunk covers all aspects of horses and prepares youth for the 4-H Hippology contest by providing stations, tests and team problems for study purposes.

- **Horse Learning Laboratory Trunk**
  This kit contains an animal skeleton structure poster, feed and seed samples, an injection sites poster, a DVD on ground-handling horses safely and much more.

- **Plant Identification Learning Laboratory Trunk**
  Its purpose is to introduce students to the basic concepts and terminology used in the identification of deciduous trees and shrubs.

- **Poultry Learning Laboratory Trunk**

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+ Order from www.4-hmall.org/Category/4-hcurriculum
= 4-H video check out library – 231-7251
WEB – www.ndsu.edu/4h · Center for 4-H website
This kit contains a bird medication product label and insert posters, bird comb identification poster, egg quality image color cards and much more.

- **Sheep Learning Laboratory Trunk**
  This kit contains an animal parts identification poster, wholesale meat cut poster, disease matching cards and much more.

- **Swine Learning Laboratory Trunk**
  This kit contains an educators curriculum guide, animal skeleton structure poster, ear notches, color loin prints, meat science CD-ROM and much more.

### Energy

Energy makes change. It produces a change of some kind; it does things for us. Scientists define energy as the ability to do work. Energy is found in many different forms, such as light, heat, sound and motion. Each specific trunk focuses on a particular form of energy.

- **Chemical Energy Trunk**
  Most of the energy we use today is in the form of chemical energy. Chemical energy is stored in the bonds of atoms and molecules. Activities in the trunk include exploration of fossil fuels, atomic structure and chemical reactions. This trunk includes guides that have detailed instructions for activities and demonstrations. Most of the equipment needed to conduct hands-on activities is included.

- **Energy of Motion Trunk**
  Look around you. Many things are moving. They are in motion. All motion takes energy. Nothing can move without energy. Energy of Motion includes activities to discover how wind and hydro (water) energy can be harnessed to do work. This trunk includes guides that have detailed instructions with demonstrations, student instruction and necessary equipment to conduct the experiments.

- **Heat and Heating Trunk**
  We use heat, called thermal energy, every day. We can't see heat, but we can feel it. Our bodies make heat and our stoves and lights do, too. The trunk includes lessons that explore conduction, convection and chemical reactions that produce endothermic or exothermic reactions. This trunk includes guides that have detailed instructions for activities and demonstrations. Most equipment needed to conduct hands-on activities is included.

- **Light and Lighting Trunk**
  We use light every day. We use it to see things. Without light, our lives would be very different. We use light energy for more than seeing. The lessons in this trunk explore light refraction, reflection and absorption. Participants learn how to measure heat with a thermometer. This trunk will explore solar (sun) energy. The trunk includes guides that have detailed instructions for activities and demonstrations. Most equipment needed to conduct hands-on activities is included.

- **Science of Energy Trunk (for ages 9 to 18)**
  This trunk includes instructions for hands-on experiments that youth can use to teach themselves and others about forms of energy and energy transformation. This trunk includes a teachers guide for grades four to eight and another for grades nine to 12, plus most supplies to conduct the experiments. The teachers guides also include correlations to national science content standards.

### Expressive Arts

- **Leathercraft Trunk**
  This trunk includes alphabet stamps, sponges, dye, mallets boards, an assortment of stamps and tools. The trunk also contains several disposable leather pieces.

- **Scrapbooking Trunk**
  This trunk is designed to encourage youth to record and preserve their memories and/or heritage using photographs, journaling, memorabilia and embellishments.

### Family Consumer Science

- **Sewing Trunk**
  *(Housed at the Cass County Extension office, Fargo)*
  This trunk includes five sewing machines, basic sewing supplies and lesson materials needed to complete a beginner quilt for approximately five participants.

### Nutrition and Wellness

- **Eat Smart! Play Hard! Trunk**
Are you looking for something to help your 4-H club be recognized as a Healthy 4-H Club? Are you looking for fun nutrition and physical activity ideas to incorporate into your club meetings and/or county activities? Check out the Eat Smart! Play Hard! 4-H trunk. The trunk is filled with games and equipment to emphasize healthful eating and physical activity. Items include a Glo-germ kit, 12-foot parachute, MyPlate Food Bingo, MyPlate activity mat and Dairy Council food models. The resource binder includes additional ideas and snack recipes.

- **Food, Culture, and Reading**
The Food, Culture and Reading 4-H trunk contains the recommended books for each unit, laminated Nutrition Facts cards for the activities, laminated cards for the Play Milk Group Challenge Game, Dairy Council cardboard food models, chopsticks, equipment for a few of the physical activities and the Food and Culture Bingo. A binder with activities and additional resources, including a world map, also is included.

**Outdoor Education**
- **Air Quality Trunk**
These experiments will guide youth through four ways of monitoring air quality. Some airborne particles are large enough to be seen with the naked eye or under low-power magnification of a microscope. These dust particles are transported by the wind and also are affected by gravity. Youth will collect these windblown particles with the following five monitoring procedures: dust particle collecting, deterioration of nylon, fabric fading, smoke monitoring and pollutants dissolved in rainwater. Each method will take a commitment to monitoring the effects of the local air quality on each of the materials that will be used for the monitoring exercise.

- **Bird Study Trunk**
*The Bird Watching Trunk has been combined with the Bird Study Trunk*
This kit includes binoculars, field identification books, an electronic bird song identifier, replica bird eggs and other resources to get youth and adults started in bird watching. Also included in the kit is the “Bird Watching in North Dakota” guide developed by Flora May Miller and Dean Aakre.

- **Dutch Oven Cooking Trunk**
Contains cast iron Dutch ovens, instructions and recipes.

- **Entomology: Cloverbud Trunk**
This is a trunk with very basic equipment and activities. It is intended to develop the understanding of the definition of an insect and insect parts, and ways to identify common insects. The kit contains reference models for insect development, three activity guides, some basic collecting equipment, two microscopes, reference slides and clay for modeling.

- **Entomology Level 1 Insect Trunk**
This trunk is based on insect collection and identification. The trunk contains activity guides, reference guides, collection equipment and two microscopes with reference slides. An example of an insect trap is included. Insect surveys and activities offered online at Butterfly: WINGS, Pollinator: LIVE and Lost Ladybug Project can be completed as part of this trunk.

- **In-line Spinners Trunk**
This trunk is designed around the sport fishing curriculum helpers guide. Activities are designed to teach youth and adults about fish habits and preferences based on bait presentation methods. The trunk contains materials to create in-line Mepps-type spinners.

- **Raptors Trunk (Hawks and Owls)**
Explore the life of raptors by dissecting bowel pellets and identifying the remains of prey animals in the owl’s diet. This trunk includes replica parts and resource books.

- **Upland Game Bird Identification Trunk**
This trunk contains lessons plans, upland game bird wings and quiz sheet, upland game bird identification resources, educational resources emphasizing fun and learning, and discussion questions.

- **Whistling Dakota Style Trunk**
This trunk contains wood forms and instructions for making your own wooden whistles. Do not freeze.

- **Wildlife Call Trunk**
  - **Predator Calling:** This section includes a number of calls for calling predators, along with written and taped instructions on how to use the calls and short written instructions on when and where to do predator calling.
  - **Big-game Animals:** This section includes a number of calls used in calling big-game animals, along with information on when and where to call.
  - **Turkey Calling:** This part includes a number of different types of turkey calls, along with written and taped instructions on how and when to use the calls.

*Order from Ag Comm Distribution Center – 231-7883
+ Order from [www.4-hmall.org/Category/4-hcurriculum](http://www.4-hmall.org/Category/4-hcurriculum)
= 4-H video check out library – 231-7251
WEB – [www.ndsu.edu/4h](http://www.ndsu.edu/4h) • Center for 4-H website
• History of Animal Calls: This is a short written session on who uses calls, when and why we use them during hunting.

• Wildlife Tracks Trunk
This kit contains rubber tracks and rubber scat (feces) for common North Dakota animals, such as beaver, skunk, bobcat, coyote, raccoon, mink, muskrat and deer. Other materials, such as wildlife identification books and lesson plans, are included in the box.

Science and Technology
• Advanced Engine Trunk
The advanced engine trunk is equipped with an 11-horsepower Briggs and Stratton engine. The kit comes complete with extra carburetors, blocks, tools, a repair manual, student workbook and DVD instruction. The kit also can be used for other small engines. It comes in two Stanley tool chests with wheels and requires a pickup or van to carry it. This trunk is very heavy.

• Astronomy Trunk
This trunk includes two Celestron telescopes, star finders and books with activities.

• Digital Camera Trunk
This trunk includes nine digital cameras, software for editing photos on the computer, a photo printer, the “Mega FUN with Mega Pixels” PowerPoint presentation and a leaders resource binder.

• Electronic Snap Kits Trunk
This trunk contains eight kits and is designed to be used with ages 8 and older. The instruction book contains a definition of electrical terms and 100 projects for students to complete. Students will learn electrical terms and how to build circuits utilizing different electrical components. The project booklet has complete, simple diagrams of each project, and parts are color-coded.
We recommend leaders do not use more than 90 minutes for the activity, and the youth should take a break halfway through the activity. This project is useful for more than one session.

• Flip Video Pocket Camera Trunk
Youth can use this trunk to learn about filmmaking. The trunk includes several pocket video cameras and resources to learn how to create a video.

• Geocaching Trunk
This trunk includes six Garmin eTrex GPS units, geocaching instructions and books on geocaching.

• GPS Trunk – Garmin eTrex Legend
This trunk is designed to teach the basics of geospatial positioning. This trunk includes 10 hand-held Garmin eTrex Legend GPS units, a leaders resource binder, GPS basic PowerPoint, instruction books, PC interface cables to connect the GPS units to the computer and 10 laminated instruction sheets on how to facilitate an elementary scavenger hunt.

• Lawn and Garden Equipment Learning Laboratory Trunk
This resource contains material from the masters of the learning laboratory kit, including situation/task statements, charts and diagrams, identification tags and instructions.

• Lego Crazy Action Contraption Trunk
This trunk is for youth ages 7 and older who love to build and invent. It comes with step-by-step instructions and supplies to build 10 contraptions, including a rubber band racer, spinning tops, a balloon-powered rocket car, automatic field goal kicker, pingpong popper and candy machine.

• Lego Mindstorm Robotics Trunk
The NXT is an intelligent computer-controlled Lego brick and the brain of this MINDSTORMS robot. With this trunk, you will find four NXT Robotics sets, extra pieces, instructions and resources to build and program several different robots. This trunk is designed for ages 12 and older.

• Lego WeDo Robotics Trunk
The LEGO Education WeDo Robotics Trunk is an easy-to-use robotics construction set that introduces youth ages 7 and older to building models featuring motors and sensors, programming their models and exploring a series of activities. This trunk includes six WeDo construction sets, four activity packs and software. You will need laptops or desktops to program the robot creations.

• Mouse Mischief Trunk
Mouse Mischief is a PowerPoint add-in that allows you to create and play interactive, multiple-mouse presentations. The presenter must have PowerPoint on his or her computer to have this work. This trunk contains 12 wireless mice with receivers and a binder with instructions and resources for using the trunk.

• Orienteering Trunk
This trunk includes five compasses, one package of dry-erase markers, three topographic maps and a guide book.

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+ Order from www.4-hmall.org/Category/4-hcurriculum
= 4-H video check out library – 231-7251
WEB – www.ndsu.edu/4h - Center for 4-H website
• **Pop-bottle Rocket Trunk**  
This trunk contains a pop-bottle rocket launcher and accessories, a tire pump and curriculum. This trunk is not recommended to be used in the winter.

• **Weather Trunk**  
Youth will learn about weather patterns, types of weather and weather forecasting. Do not freeze.

• **Wired for Wind Trunk**  
The Wired for Wind Trunk allows youth to design, build and test a wind turbine. Based on the 2011 National Youth Science Experiment, this trunk will allow youth to experiment with different blade pitch angles to determine how this affects the turbine’s speed and performance. You will need to supply poster board, cardboard or thick paper; paper cups; glue sticks; a hot-glue gun or packing tape; scissors; pencils; and a fan.

**Trunks Available in Western North Dakota**  
*Housed at the Morton County Extension office, Mandan, unless otherwise noted*

**Animal Science**

• **Beef Learning Laboratory Trunk**  
This resource contains material from the masters of the learning laboratory kit, including situation/task statements, charts and diagrams, identification tags and instructions.

• **Hippology Trunk**  
Hippology is the study of horses. By using the trunk, 4-H youth can study and learn about horses without owning a horse. This trunk covers all aspects of horses and prepares youth for the 4-H Hippology contest by providing stations, tests and team problems for study purposes.

• **Horse Learning Laboratory Trunk**  
This kit contains an animal skeleton structure poster, feed and seed samples, an injection sites poster, a video on ground-handling horses safely and much more.

• **Sheep Learning Laboratory Trunk**  
This kit contains an animal parts identification poster, wholesale meat cut poster, disease matching cards and much more.

• **Swine Learning Laboratory Trunk**  
This kit contains an educators curriculum guide, animal skeleton structure poster, ear notches, color loin prints, meat science CD-ROM and much more.

**Energy**

• **Science of Energy Trunk (for ages 9 to 18)**  
This trunk includes instructions for hands-on experiments that youth can use to teach themselves and others about forms of energy and energy transformation. This trunk includes a teachers guide for grades four to eight and another for grades nine to 12, plus most supplies to conduct the experiments. The teachers guides also include correlations to national science content standards.

**Expressive Arts**

• **Leathercraft Trunk**  
This trunk includes alphabet stamps, sponges, dye, mallets boards, an assortment of stamps and tools. The trunk also contains several disposable leather pieces.

• **Scrapbooking Trunk**  
This trunk is designed to encourage youth to record and preserve their memories and/or heritage using photographs, journaling, memorabilia and embellishments. This trunk includes a resource binder, cutting tools, a limited amount of paper, stickers, adhesives, markers/pens and scissors.

**Family Consumer Science**

• **Design Decisions Trunk**  
This trunk provides activities and supplies for each of the four divisions in the Design Decisions project. 4-H’ers will have fun with many hands-on activities.

• **Quilting for Fun Trunk**  
This trunk includes five sewing machines, basic sewing supplies and lesson materials needed to complete a beginner quilt for approximately five participants.
Nutrition and Wellness
• Eat Smart! Play Hard! Trunk
Are you looking for something to help your 4-H club be recognized as a Healthy 4-H Club? Are you looking for fun nutrition and physical activity ideas to incorporate into your club meetings and/or county activities? Check out the Eat Smart! Play Hard! 4-H trunk. The trunk is filled with games and equipment to emphasize healthful eating and physical activity. Items include a Glo-germ kit, 12-foot parachute, MyPlate Food Bingo, MyPlate activity mat and Dairy Council food models. The resource binder includes additional ideas and snack recipes.

Science and Technology
• Digital Camera Trunk
This trunk includes nine digital cameras, software for editing photos on the computer, the “Mega FUN with Mega Pixels” PowerPoint presentation and a leaders resource binder.

• GPS Trunk – Garmin eTrex
This trunk is designed to teach the basics of geospatial positioning. This trunk includes 10 hand-held Garmin eTrex GPS units, a leaders resource binder, GPS basic PowerPoint, instruction books, PC interface cables to connect the GPS units to the computer and 10 laminated instruction sheets on how to facilitate an elementary scavenger hunt.

• GPS Trunk – Garmin eTrex Legend
This trunk is designed to teach the basics of geospatial positioning. This trunk includes 10 hand-held Garmin eTrex Legend GPS units, a leaders resource binder, GPS basic PowerPoint, instruction books, PC interface cables to connect the GPS units to the computer and 10 laminated instruction sheets on how to facilitate an elementary scavenger hunt.

• Geocaching Trunk
This trunk includes six Garmin eTrex GPS units, geocaching instructions and books on geocaching.

• Lego Crazy Action Contraption Trunk
This trunk is for youth ages 7 and older who love to build and invent. Comes with step-by-step instructions and supplies to build 10 contraptions, including a rubber band racer, spinning tops, a balloon-powered rocket car, automatic field goal kicker, pingpong popper and candy machine.

• Lego Mindstorms NXT Robotics Trunk
This trunk contains four Lego Mindstorms NXT robotics kits, a resource binder and books to help you build and program robots.

• Mouse Mischief Trunk
Mouse Mischief is a PowerPoint add-in that allows you to create and play interactive, multiple-mouse presentations. The presenter must have PowerPoint on his or her computer to have this work. This trunk contains 12 wireless mice with receivers and a binder with instructions and resources for using the trunk.

• Orienteering Trunk
This trunk includes five compasses, one package of dry-erase markers, three topographical maps and a guide book.

• Pop-bottle Rocket Trunk
This trunk includes a pop-bottle rocket launcher and accessories, tire pump and curriculum. This trunk is not recommended to be used in winter.

• WeDo Robotics Trunk
The LEGO Education WeDo Robotics Trunk is an easy-to-use robotics construction set that introduces youth ages 7 and older to building models featuring motors and sensors, programming their models and exploring a series of activities. This trunk includes six WeDo construction sets, four activity packs and software. You will need laptops or desktops to program the robot creations.

• Wired for Wind Trunk
The Wired for Wind Trunk allows youth to design, build and test a wind turbine. Based on the 2011 National Youth Science Experiment, this trunk will allow youth to experiment with different blade pitch angles to determine how this affects the turbine’s speed and performance. You will need to supply poster board, cardboard or thick paper; paper cups; glue sticks; a hot-glue gun or packing tape; scissors; pencils; and a fan.

Outdoor Education
• Bird Watching Trunk
This kit contains binoculars, field identification books, an electronic bird song identifier, replica bird eggs and other resources to get youth and adults started in bird watching. The kit contains different sizes and types of binoculars so users can try out different styles to determine which is best suited to their needs. Also included in the kit is the “Bird Watching in North Dakota” guide developed by Floramay Miller and Dean Aakre.

• Fly Tying Educational Trunk
Youth learn about fly fishing and fly tying. The trunk contains 10 fly rods with reels, 10 sets of fly-tying equipment, an educational video and CD, and a three-ring binder with hands-on activities. Request the trunk well in advance and specify the approximate number of youth to be involved in the activity so adequate supplies can be included. Users will be charged for the fly-tying supplies used.

- **Outdoor Survival Skills Educational Trunk**  
  *(Housed in the Burleigh County Extension office, Bismarck)*  
  This trunk consists of an easy-to-use curriculum, objects to assist in teaching each topic area, additional resources (including books and pamphlets) and activity sheets for each topic. Topics covered are: basic survival skills, outdoor tips and tricks, poisonous plants, first aid, fire building, outdoor cooking and weather awareness.

### Money Management
- **Reading Makes Cents Trunk**  
  *(Housed in the Stark-Billings County Extension office, Dickinson)*  
  This trunk is a collection of 53 experiential activities developed around exemplary children’s literature that has money as a theme. Each activity relates to a theme and highlights a specific financial concept, value or practice (for example, saving, spending, sharing, earning, borrowing, lending and managing). The literature, concepts about money and activities were selected to appeal to children in grades three to five. All books are identified as one of two levels: Level one books are appropriate for beginning readers and level two books are for more independent readers. The curriculum features hands-on, exploratory activities that can be completed in an after-school setting; however, the curriculum also could be used in a traditional 4-H program, with home-schooled youth or in a school enrichment program. Because parental involvement is essential to teaching children about money and encouraging literacy, take-home activities in English and Spanish (eight to 10 for each book level) are included.

### Trunks Available in North-central North Dakota
- **Housed in the Ward County Extension office, Minot**

#### Animal Science
- **Hippology**  
  This trunk covers all aspects of horses and prepares youth for the 4-H Hippology contest by providing stations, tests and team problems for study purposes.

#### Science and Technology
- **Digital Camera Trunk**  
  This trunk includes 10 digital cameras, software for editing photos on the computer, a photo printer, the “Mega FUN with Mega Pixels” PowerPoint presentation and a leaders resource binder.

- **Flip Video Pocket Camera Trunk**  
  Youth can use this trunk to learn about filmmaking. The trunk includes several pocket video cameras and resources to learn how to create a video.

- **Garmin eTrex Venture HC GPS Trunk**  
  This trunk is designed to teach the basics of geospatial positioning. This trunk includes 10 hand-held Garmin eTrex Venture HC units, a leaders resource binder, GPS basic PowerPoint, instruction books, PC interface cables to connect the GPS units to the computer and 10 laminated instruction sheets on how to facilitate an elementary scavenger hunt.

- **WeDo Robotics Trunk**  
  The LEGO Education WeDo Robotics Trunk is an easy-to-use robotics construction set that introduces youth ages 7 and older to building models featuring motors and sensors, programming their models and exploring a series of activities. This trunk includes six WeDo construction sets, four activity packs and software. You will need laptops or desktops to program the robot creations.

### VIDEO/DVD LIBRARY *(Check out from the Center for 4-H Youth Development)*

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* Final Report, Background information, produced piece, additional sound bites and contact information.

* Order from Ag Comm Distribution Center – 231-7883
+ Order from [www.4-hmall.org/Category/4-hcurriculum](http://www.4-hmall.org/Category/4-hcurriculum)
= 4-H video check out library – 231-7251
WEB – [www.ndsu.edu/4h](http://www.ndsu.edu/4h) - Center for 4-H website
105  **4-H Centennial - Episode 6**  
Partners video magazine segment about the 4-H Centennial celebration  
2002

106  **Remarks for the National Conversation on Youth Development in the 21st Century**  
Remarks for the National Conversation on Youth Development in the 21st Century  
2002

107  **Youth Development in the 21st Century - Local Conversation Orientation Video (2)**  
Local conversation orientation video.  
2001

108  **Discover the World Together - 4-H Volunteer Recruitment Video**  
North Dakota 4-H youth share views on what being a 4-H member means to them.  
2002

109  **White House Event Launches 4-H Centennial Celebration**  
USDA Pat O'Leary explains 100th celebration events including presentation of the Partner in 4-H Award given to President Bush by 4-H members  
2002

110  **4-H Pledge Keeping Youth Safe**  
Youth Protection Policy video. Required for youth protection screening.  
2002

111  **North Dakota 4-H Recruitment/Promotion Video (3)**  
North Dakota 4-H youth share views on what being a 4-H member means to them.  
2003

113  **National Conversation on Youth Development in the 21st Century: Final Report**  
National Conversation on Youth Development in the 21st Century: Final Report  
2002

114  **Carrying the Ball for a Great Meeting**  
Ideas for making 4-H meetings fun, education, and still conduct the business of the club.  
1995

**Careers**

301  **Careers in Veterinary Medicine**  
Introduction to career options available to veterinarians  
1993

302  **It's A Big World Video (2)**  
Career TV: It's A Big World provides an overview of the career options in today's society.  
1997

303  **Manufacturing (2)**  
Career TV: It's A Big World provides an overview of the career options in manufacturing.  
1997

**Character Building**

*  **In Search of Character for Grades 6-12 Series** - Each video spotlights one of ten core virtues that help teens develop into caring, respectful, responsible people who make choices based on what is right rather than what is easy, 1999.

401  **In Search of Character for Grades 6-12 - Trustworthiness (1)**  
402  **In Search of Character for Grades 6-12 - Respect (2)**  
403  **In Search of Character for Grades 6-12 - Responsibility (3)**  
404  **In Search of Character for Grades 6-12 - Fairness (4)**  
405  **In Search of Character for Grades 6-12 - Caring (5)**  
406  **In Search of Character for Grades 6-12 - Citizenship (6)**  
407  **In Search of Character for Grades 6-12 - Honesty (7)**  
408  **In Search of Character for Grades 6-12 - Courage (8)**  
409  **In Search of Character for Grades 6-12 - Diligence (9)**  
410  **In Search of Character for Grades 6-12 - Integrity (10)**  

*  **Six Pillars of Character for K-5** - Help your kids explore six essential character virtues with the Popcorn Park Puppets. Each video is highlights one of the six pillars: Trustworthiness, respect, responsibility, fairness, caring, and citizenship, 2000.

411  **Six Pillars of Character for K-5, Program 1, Trustworthiness**  
412  **Six Pillars of Character for K-5, Program 2, Respect**  
413  **Six Pillars of Character for K-5, Program 3, Responsibility**  
414  **Six Pillars of Character for K-5, Program 4, Fairness**  
415  **Six Pillars of Character for K-5, Program 5, Caring (DVD)**  
416  **Six Pillars of Character for K-5, Program 6, Citizenship**  
417  **Six Pillars - Choices Count Performance Video & CD**  
418  **Let's Teach Character - Complete 3-Part Series**  
Compilation of “Let’s Teach Character” series: how to help young people develop good character, how to teach and reinforce the “Six Pillars of Character”, and addresses the “ins and outs” of ethical decision making.  
1996

419  **Let’s Teach Character**  
1996

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= 4-H video check out library – 231-7251  
WEB – [www.ndsu.edu/4h](http://www.ndsu.edu/4h) - Center for 4-H website
Coalition founder Michael Josephson explores the essence of good character and offers tips on how to teach and reinforce the “Six Pillars of Character.”

420 **Talking About Character**
1996
On this tape, Coalition founder Michael Josephson makes a case for character education and tells parents how they can mobilize their homes, schools and communities to action.

421 **Let’s Get Involved**
1996
CHARACTER COUNTS! Founder Michael Josephson answers fundamental questions about the CHARACTER COUNTS! Programs.

422 **Ninos Pro Character**
1996
Nearly 1,000 kids and 30 all-time favorite leading children’s characters join in fun-filled skits and songs that teach the “Six Pillars of Character.”

423 **Kids for Character-Choices Count**
1997
Kids will have so much fun laughing, singing, and dancing along with the great songs and skits of CHOICES COUNT! They won’t realize how much they learned about choices, conscience, and consequences.

424 **Kids for Character-Learning Right from Wrong**
1996
Nearly 1,000 kids and 30 all-time favorite leading children’s characters join in fun-filled skits and songs that teach the “Six Pillars of Character.”

425 **Character Education: Teaching Respect, Responsibility, and Citizenship**
2001

426 **Don’t Laugh at Me (2)**
2000
A Peter, Paul Y Mary video. Peter Yarrow speaks to students, outlines project goals, and gives solo performance of “Don’t Laugh At Me”. Used as part of the “Don’t Laugh At Me” kit.

427 **Etiquette Hotline/Table Manners DVD**
2004
Good manners are in style. Viewers eavesdrop on a telephone "hotline" as distressed caller query the experts on proper table manners.

428 **In Your Face: Why Courtesy and Respect?**
1998
Who says courtesy is only for wimps? This lively program demonstrates that courtesy (which means respect for others) is basic to civilization.

430 **Dealing with Pressures for Grades 5-9**
1994
Comedian/teen counselor Michael Pritchard travels to middle schools around the country to help young teens work their way through the turmoil of early adolescence while making positive and healthful life choices.

431 **Just Thought you Oughta Know**
1998
A short, intense production featuring teens talking to teens about the risks of sexual contact. It tells them the real reasons why they can and should save sex for marriage.

432 **Sex is not a Game**
2001
Features teens talking openly about the real-life medical risks and consequences of casual sex.

433 **In the Mix - Depression**
1998
Award-winning PBS series talks to teens about their world and their issues.

**Horsemanship**

601 **Cow Sense: Give Your Horse A Hand**
1989
Start to finish program on how to give your horse the universal foundation for developing a true cow sense. Understand your cues, anticipate cow’s moves, use the bluff and work angles.

602 **Every Time...Every Ride...**
1995
Education video on head injury prevention for all riders, instructors, horse clubs and parents of children who ride.

603 **Horsin’ Around 2007 - Advancing Your Western Horsemanship for All Events**
2007
Information presented by AQHA Professional Horseman, Andy Moorman. Segments were recorded during a two-day workshop held at the University of Nebraska-Lincoln.

604 **Horses, Kids, & Ethics**
1998
Addresses the subject of youth horse program ethics and rules while the remainder of the video deals with issues related to appropriate adult involvement. Specifically created for Extension youth horse programs.

605 **Lynn Palm Hunt Seat Equitation**
1998
Exercises to perfect the rider's equitation: covers all levels of riding.

606 **How To Judge Halter Horses**
Covers factors used to evaluate equine confirmation. A judging team coach explains each factor and a practice class and critique follow. Supplemental quiz is included.

607 How To Judge Hunter Under Saddle
A judging team coach demonstrates how to judge a class followed by a practice class. Supplemental quiz is included.

608 Mike Kevil Starting Colts v. 1 - Ground Work
Catching and leading, tying, longeing, saddling, bridling and driving.

609 Mike Kevil Starting Colts v. 2 - Under Saddle (2)
Sacking out, biting up, side pass.

611 Nancy Cahill: The Fundamentals of Excellence Horsemanship Part 1
Equipment: Bits, spurs, martingales, proper body position, draw lines and collections, quality of gaits.

612 Nancy Cahill: Precision in Western Riding
What your horse needs to know before you begin. Incorrect position, actual time it takes for change, things that go wrong, Counter Canter, class strategy, Serpentine, Over the Log.

613 Team Penning
Specifically designed to learn more about team penning.

614 Western Pleasure Riding (2)
Basic Information on Western Pleasure riding.

615 Western Riding: A Competitive Edge

616 Youth and Their Horses, Part 1: Learning the Basics
Youth horse selection, developing and maintaining a short hair coat, general grooming, handling feed and legs, clipping your horse, banding, braiding manes, proper horse tail care, wrapping legs for protection, types of restraints.

617 Horsin' Around 2007 - Hunt Seat Horse & Equitation Rider DVD
Information presented by AQHA Professional Horseman, Andy Moorman. Segments were recorded during a two-day workshop held at the University of Nebraska-Lincoln.

620 You and Your Horse

621 4-H Horse Show Judges Practice DVD - Weld County Fair - Part 1
Discusses each pattern in detail and provides scores and official placings (1st through 10th).

622 Form to Function: The Importance of Conformation
Basic Information on quarter horses and their conformation.

623 Oral Reason for Horse Judging
Discussion of judging oral reasons including tips of what to include under each section. Supplemental quiz is included.

624 Horse Judging Part II

626 Safer Horsemanship
Catching, haltering, leading, examining teeth, ears, eyes, cleaning horse housing.

627 Understanding the Bit Featuring Greg Dutton
Learn how to communicate with your horse through effective use of the bit.

628 Coaching a Horse Judging Team
Dr. James Heird provides detailed information on coaching a horse judging team.

629 Ride Safely On the Trail
Stacy Westfall provides safety tips and exercises designed to prepare you for the trail.

630 Horse Show Pattern Judging – Part I
Showmanship, Western Horsemanship & Hunt Seat Equitation

631 Horse Show Pattern Judging – Part II
Western Riding and Trail

632 Horse Show Pattern Judging – Part III
Showmanship, Hunt Seat Equitation & Trail

Judges Training

801 Judges Training - How to Be a Fair Judge
Two-hour satellite broadcast focuses on development of a uniform judging system which will improve the judging experience for volunteers, extension faculty show train judges, and fair superintendents.

802 Judges Training - How to Be a Fair Judge (2)

* Order from Ag Comm Distribution Center – 231-7883
+ Order from www.4-hmall.org/Category/4-hcurriculum
= 4-H video check out library – 231-7251
WEB – www.ndsu.edu/4h - Center for 4-H website
Two-hour satellite broadcast focuses on development of a uniform judging system which will improve the judging experience for volunteers, extension faculty show train judges, and fair superintendents.

803 Preparing Yourself to be a 4-H Judge - Satellite Program 2001

Livestock

701 Basic Dairy Goat Grooming & Showmanship DVD
For Beginner and Intermediate

702 Beginner's Guide to Raising and Showing Chickens 2006
Includes chapters about choosing chicks, flock care, showing chickens, how to win at poultry showmanship, and butchering

703 Livestock Judging I: Practice DVD
Includes classes of market swine, market lambs, market steers, breeding gilts, and yearling bulls.

705 Livestock Judging III: Practice DVD
Includes classes of market steers, Suffolk breeding ewes, black face market lambs, Yorkshire gilts, crossbred market barrows.

706 Livestock Judging IV: Practice DVD
Includes classes of prospect steers, medium wool market lambs, yearling Hampshire ewes, crossbred market hogs.

707 Livestock Judging V: Practice DVD
Includes classes of heavyweight crossbred steers, lightweight Southdown market lambs, lightweight Berkshire market hogs (photo quality lacking).

708 Livestock Judging Contest I - Practice Video
A practice tool to help your judging team master the techniques required for evaluation of a variety of production animals.

709 Livestock Judging II - Practice Video
Presents two classes of heifers, one class of market hogs, and two classes of breeding gilts

708 Livestock Judging Contest I - Practice Video
A practice tool to help your judging team master the techniques required for evaluation of a variety of production animals.

709 Livestock Judging II - Practice Video
Presents two classes of heifers, one class of market hogs, and two classes of breeding gilts

710 Livestock Safety for Kids 2000
A fast-paced video designed for youth to view before taking field trips to petting zoos, fairs, or farms. The video uses young people to illustrate the right way to interact with livestock and stay safe.

711 Stierwalt Style Clipping 1993
Generalized clipping of show cattle. Very good for beginners

712 Stierwalt Style Fitting and Grooming 1993
Generalized fitting and grooming of show cattle. Very good for beginners

713 Stierwalt Style Beef Showmanship 1993

715 Swine Judging Video
Includes four breeding stock classes and two market hog classes. Each class is followed by an official set of oral reasons. Placings and cuts at conclusion of each class to use as a guideline.

716 Goodwin Ethics Video - A Question of Ethics/A Step Beyond/The Line in the Sand 1994
Basic introduction to the issue of livestock show ethics, how to address the issue of livestock show ethics before situations arise, and a four step test offered to make clear whether certain showing practices are ethical or unethical.

717 Quality Assurance - Strengthening the Chain of Wholesome Food Production
Addresses proper injection sites, proper nutrition, proper facilities, reading and following labels, and proper handling and care of livestock.

718 The Rules are Black and White 2002
Focuses on ethics and the youth dairy projects. Six dairy related questions encourage thinking about the ethical nature of our choices without prescribing answers for all of those choices.

719 Practice Livestock Judging VII DVD 2013
Three practice classes of livestock are shown at the side, front, rear, top and walking. The classes include Hereford steers, Medium Wool market lambs and Crossbred market hogs. Placings, cuts and oral reasons are provided. (44 Min.)

720 Practice Livestock Judging VIII DVD
Fine-tune your judging ability with this video. Three practice classes of livestock are shown at the side, front, rear, top and walking. The classes include: light weight Crossbred steers, Medium Wool market lambs and Crossbred market hogs. Placing’s, cuts and oral reasons are provided by Professor John Edwards, Texas A&M University. (41 Min.)

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721 Practice Livestock Judging IX DVD
The classes shown on this practice video include Hereford steers, Crossbred market lambs and Yorkshire market hogs. The classes of livestock are shown at the side, front, rear, top and walking. Placings, cuts and oral reasons are provided. (43 Min.)

722 Practice Swine Judging DVD
Give students practical experience without leaving the classroom. Includes three classes of Crossbred barrows, one class of Duroc gilts, and one class of Crossbred gilts. Walking, ham, side and top views are shown of each animal with some views of pairs and the whole class. Placings and cuts are provided. (43 Min.)

Project Learning
505 NASA CONNECT: The Measurement of All Things 1999
Four shows that connect you to math, science, and NASA. Tools of the Aeronautics Trade, Atmospheric Detectives, Water Below the Surface of Mars? Eyes Over Mars

506 Don't Get Stuck: Fix It! Bike Repair Clinic (4) 2000
Bike repair clinic demonstrates bike repair techniques for youth.

Designed to demonstrate the art and science of experiential learning with background information, explanations, ad practical suggestions for conducting training workshops. Information for use with K-12 DVD with training vignettes is designed to demonstrate the art and science of experiential learning with background information, explanations, ad practical suggestions for conducting training workshops. Information for use with K-12

508 Aerospace Adventures CD 2003
CD of the Aerospace curriculum to be used to print copies of the activities and handouts on a limited basis.

509 Shoot for Fitness (2)
workout video with specific exercises for archery.

510 Giving Them Our Best - Volunteering for ND 4-H Shooting Sports DVD (2) 2004
Volunteering for ND 4-H Shooting Sports

511 Veterinary Science - Unit I

512 Veterinary Science - Unit II

514 Andrill - A Real World Geoscience Adventure 2007
14 Video Journals from the Ice

515 Space Geologist - Adriana Ocampo 2002
Space geologist Adirana Ocampo takes viewers on an expedition to Belize and neighboring Mexico to explore the crash site of an ancient asteroid.

Youth Development
201 60 Minutes - Echo Boomers 2004
Video segment about the generation born between the early 1980's and early 1990's. Includes information on their upbringing, education, careers, and buying habits.

202 Cheating Crisis in America's Schools Video 2004

203 Dangerous Minds 2004

204 Successful Parenting: Developing Self-Esteem in Children/Being the Best Parent You Can Be 1992
Examines the "perfect parent"/"perfect child" myth, as well as what parenting requires in order to be the best parent you can be for your child.

205 Successful Parenting: Developing Self-Esteem in Children/Discipline That Empowers Your Child 1992
Helps parents to view discipline as a positive and constructive way to teach important values to children. Identifies three essential values and offers information on how to effectively teach these values to children.

206 At The Table: Youth Voices in Decision Making Video 2001

207 Heartache in the Heartland - Helping Children Through Rural Crisis 2001

208 Understanding How Kids Learn Satellite Videoconference 1999

209 Kids in History, The Big Help Classroom Video

210 American Promise Acts 1-5 1995
Discuss five challenges that face democracies today - freedom, responsibility, participation, hard choices and information

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211  **Growing Up Online**  
Peers inside the world of this cyber-savvy generation through the eyes of teens and their parents.  
2008

212  **Taking the Reins Together: Youth/Adult Partnerships Video**  
Young people and adults talk honestly about the power of working together as partners.  
1999

213  **American Teen**  
Experience senior year of high school through the eyes of five real-life Indiana Teenagers  
2008

214  **Raising Caine**  
Exploring the Inner Lives of America’s Boys  
2006

215  **A Girl’s Life with Rachel Simmons**  
Simmons interviews parents, psychologists, teachers, and social workers who are helping nurture girls into capable, resilient adults.  
2009

**CHANGES IN LITERATURE AND MATERIALS FOR 2017-2018**

**WHAT’S NEW**

- Jewellery Making – Web only
- Getting Started in Art
- Communication Module 1-3
- Discovering Computer Science & Programming Through Scratch Level 1 & Facilitator Guide
- Robotics with EV3
- Leadership Road Trip: Where Are You Going?
- Quilting the Best Better!
- You Can Quilt!
- My Hands to Larger Service

**REVISED**

- GCA672 · Identifying Weeds and their Seeds
- PB822 · ND 4-H Ambassador Application
- PA100 · Where Do I Enter This Exhibit? Bookmark? – Order from Ag Communication
- DBC618 · Land and Home-site Judging in North Dakota
- BA800 · Communication Arts Program
- CC616 · Consumer Choices
- BCC546 · Project Expo Information Sheet and Evaluation Form

**ITEMS REMOVED FROM GUIDE**

- Computer Power Unlimited (HCD101, HCD102, HCD103 & HCD100)
- Robotics Curriculum Set for Leaders (HCF211)
- Citizenship Public Adventures – AB101 and AB202
- Leadership – FF101 & FF102
- Communication Express Yourself! (BA101, BA102, & BA103)
- Let’s Sew by Nancy Zieman – CB208
- Quilting for Fun – CB111

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