

CURRICULUM GUIDE TO 4-H YOUTH DEVELOPMENT

2004-2005

UNIVERSITY OF MINNESOTA
DOCUMENTS

JUN 1 2005

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For ordering print, audio/visual,
and other resources in all project areas.



Curriculum Task Force
Center for 4-H Youth Development

UNIVERSITY OF MINNESOTA
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This archival publication may not reflect current scientific knowledge or recommendations.
Current information available from University of Minnesota Extension: <http://www.extension.umn.edu>.

INTRODUCTION

Dear 4-H club or project leader:

Please give your project leaders a copy of this introduction as well as a copy of the appropriate project section. It will help them understand how to order materials for their project.

You have been chosen for the important task of leading a 4-H club or a special project. In your work, you will not only give 4-H'ers some specific information, but you also will help them develop skills they will use throughout their lives, such as ...

- general skills and knowledge
- decision-making skills
- leadership skills
- responsibility and cooperation
- communication skills
- social and recreational skills
- opportunities for community service.



















If you can coordinate a well-planned program that includes a variety of teaching techniques, your 4-H experience will be memorable for you and your 4-H members. Both the University of Minnesota Extension Service on the St. Paul and Minneapolis Campuses your Regional Extension Center and your County Extension Office are available to help you with resources such as ...

- leader materials
- 4-H project meeting guides
- member materials
- supplementary publications
- videotapes and films

Each Extension office has its own methods and procedures for ordering and handling educational materials. Work with your local extension staff to understand and utilize this process. You may wish to organize a club or family lending library rather than supply copies to everyone. A youth leader or adult volunteer could be assigned that responsibility.

Upon enrollment, inform club members and leaders of the curriculum available to support their project learning. Supplemental publications, reference material, and audiovisual materials should be ordered as needed.

Statewide records, which apply universally to all projects, are available from your Local Extension Office, in packets of 100 from the University of Minnesota Extension Service Distribution Center, or maybe downloaded off the web:

- 4-H Youth Development Record - Basic (4H-MI-06901) (use one per member per project)   
- 4-H Youth Development Record - Experienced (4H-MI-07047) (use one per member per project)   
- Planning Calendar (4H-MI-06902) (use one per member per year)   
- 4-H Youth Development Participation Summary - Basic (4H-MI-06903) (use one per member per year)   
- 4-H Youth Development Participation Summary - Experienced (4H-MI-07048) (use one per member per year)   
- 4-H Financial Statement Resource Sheet (4H-MI-06904) (use one per member per year)   

Educational materials appearing for the first time in this annually revised Curriculum Guide are marked with the word "NEW!" Previously announced educational materials revised this year are marked with the word "REVISED!" (except annually revised items).

4-H Publications in Spanish:

www.national4-hheadquarters.gov/, click on the **Spanish Language** link under **4-H Resources**

...get yours today!



Print from University of Minnesota Extension Service
www.extension.umn.edu/units/dc



Order from National 4-H Cooperative Curriculum System www.n4hccs.org



Print from Center for 4H Youth Development
www.mn4H.org



Order from University of Minnesota Extension Service
www.extension.umn.edu/units/dc

UNDERSTANDING THE CODES IN THIS GUIDE

The code before each item tells you where it originated and describes its format. If the first two letters are (4H), the item is provided by the Center for 4-H Youth Development. Other sources frequently cited include Human Ecology (HE), Natural Resources (NR), 4-H Cooperative Curriculum System (4HCCS), and Agriculture (AG).

Format is indicated by the second set of letters.

PRINT CODES INCLUDE:

- FS fact sheet – 1 sheet, 2 sides
- FO folder – 4-16 pages
- BU bulletin – 17+ pages
- MI miscellaneous publication – odd sized, or a form to fill out
- ED publication educational package
- PC publication collection
- MR Minnesota Report from the Minnesota Agricultural Experiment Station
- SB Station Bulletin from the Minnesota Agricultural Experiment Station
- RR Research Regional Bulletin from the Minnesota Agricultural Experiment Station

AUDIOVISUAL CODES INCLUDE:

- AT audio cassette
- CS computer software
- FM 16-mm film
- OT overhead transparencies
- SS slide set
- VH 1/2" videocassette (VHS)
- EP educational package - more than one medium, such as a combination of video and print

The last five digits in the item number are a reference number assigned only to that item. Examples:

4H-BU-01234 – bulletin produced by 4-H

AG-SS-06789 – slide set produced by Agriculture

PRICE CODES:

The letter in parentheses after the item number and title indicates the price level of the item. See your Local Extension Office for current prices associated with each letter code. *Note: Price codes are not listed for audiovisual materials. These codes refer to publications and other sale items only.*

Many more non-4-H University of Minnesota Extension Service educational materials are available for sale and/or rental in the Distribution Center than those listed in this Guide. For a complete list of these resources, ask to see a catalog in your Local Extension Office.

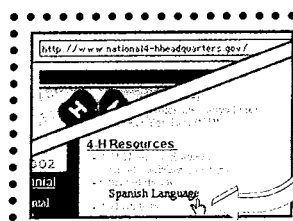
Most currently available items in this Curriculum Guide with a Distribution Center item number have an abstract that you can view at:

<http://www.extension.umn.edu>. At that site click on “Catalog” at the bottom of the page.

On the next screen, click on “Search the product catalog.” On the next screen, highlight the “Item Number” button and enter the 5-digit item number in the box below. Then click “Submit this Search.” The title for that item will come up on the next screen, and you can click on it to view the abstract and other information about the piece. (NOTE: This option is available only for currently available titles in the Distribution Center. Most of the titles marked “**NEW!**” will not be entered until they are printed or purchased during the summer and fall.)

There is good stuff in these curriculums.

Enjoy using them!



4-H habla Español

Click on the **Spanish Language** link under **4-H Resources** on the National 4-H Headquarters home page:
www.national4-hheadquarters.gov/

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www.national4-hheadquarters.gov/

GENERAL 4-H MATERIAL

Club Leader Support



Volunteer Empowerment

The materials listed in this section will help you with general leadership and organizational matters. You should also look through the materials available for project leaders in the various subject areas.



CLUB LEADER SUPPORT



POLICIES, GUIDELINES AND SUPPORT MATERIALS


LEADER MATERIAL:*


New! ___ MN 4H Club Management Guide. Web based guide for club leaders  


New! ___ MN 4H Club Starter Kit. Box of essential materials for starting a new club: gavel, flags, officer materials, etc. (orders taken twice per year) Watch for details.


___ 4H-BU-07261 Minnesota 4-H Youth Development Financial Handbook for Leaders  


___ 4H-MI-06904 4-H Financial Statement Resource Sheet (use one per member per year) (available in packets of 100) (S)  


___ 4H-MI-08115 4-H Today/4-H Project Selection Guide (S) 




___ 4H-MI-03409 Curriculum Guide to 4-H Projects (F) 



___ 4H-BU-02766 The Meeting Will Come to Order (C) 



___ 4H-BU-00064 Training Handbook for 4-H Club Officers (F) 



___ 4H-MI-00065 On Our Way to Better Meetings (C) 



___ 4H-BU-00066 A Handbook for Effective Meetings (D) 




___ 4H-MI-06901 4-H Youth Development Record - Basic (use one per member per project) (available in packets of 100) (S)   




___ 4H-MI-07047 4-H Youth Development Record—Experienced (use one per member per project) (available in packets of 100) (S)  

___ 4H-MI-06902 Planning Calendar (use one per member per year) (available in packets of 100) (S)  

___ 4H-MI-06903 4-H Youth Development Participation Summary - Basic (use one per member per year) (available in packets of 100) (S)  

___ 4H-MI-07048 4-H Youth Development Participation Summary - Experienced (use one per member per year) (available in packets of 100) (S)  

___ 4H-FO-06699 Understanding Youth Development Work (C)   

___ 4H-BU-06715 Keys to Quality Youth Development (S)   




Tools for Public Speaking. Knowing your subject and audience, organizing a talk, your appearance and delivery, using visuals. Available from Ohio State University, Extension Media Distribution, 385 Kottman Hall, 2021 Coffey Rd., Columbus, OH 43210-1044, phone 614-292-1607. (00) Includes two titles:

- 4-H 0970R Member Guide provides simple, practical tips for creating speeches and presentations.
- 4-H 0971AG Leader Guide provides self-survey and evaluation tools.


* Additional Leader information may be found at www.mn4H.org

OTHER RESOURCES:

Communications Toolkit. This 4-H Youth Development Book aids parents, teachers, employers and others with fun, easy, meaningful activities for ages 12 and up. Kids learn news and creative writing, public speaking, graphic design, video, media and technology. Kit provides leaders' materials, hands-on activities, handouts. Information: 4-H Youth Development, Michigan State University Extension, 160 Agriculture Hall, East Lansing, MI 48824-1039. (00)


___ 4H-BU-07562 Tell a Story with a Blue Ribbon Exhibit. A guideline for designing county and state fair youth exhibits.   

AUDIOVISUAL MATERIALS:

___ 4H-VH-03734 Making Points 

VOLUNTEER EMPOWERMENT

VOLUNTEER TRAINING AND SUPPORT

New! ___ 4H-MI-08116 MN 4H Volunteer Training Curriculum CD. Eight lesson plans on four topics: Keys to Quality Youth Development, Creating Welcoming Environments, Physical and Emotional Safety, and Supporting Youth in Leadership. 

SELECTED BIBLIOGRAPHY:

Developing a Volunteer Philosophy

Keys to Making a Volunteer Program Work: A Guide for Organizations That Use Volunteers. Brown, K.M. (1982). Richmond, CA: Arden Publications.

Motivating Volunteers: How the Rewards of Unpaid Work Can Meet People's Needs. Moore, L.F. (Ed.) (1985). Vancouver, B.C.: Vancouver Volunteer Centre.

Survival Skills for Managers. Wilson, M. (1981). Boulder, CO: Johnson Publishing Co.

Volunteers as Middle Managers. Schwertz, C. (1978, November-December). *Journal of Extension*, 16, 23-29.

Volunteer Administration

The Volunteer Recruitment Book. Ellis, S. (1996). Philadelphia, PA: ENERGIZE, Inc.

Helping People Volunteer. Rauner, J. (1980). San Diego, CA: Marlborough Publications.

Volunteer Management: Mobilizing All the Resources of the Community. McCurley, S. & Lynch, R. (1996). Downers Grove, IL: Heritage Arts Press.

Step by Step: Management of the Volunteer Program in Agencies. MacBride, M. (1979). Bergen County, NJ: Volunteer Bureau of Bergen County.

TAXI—Taking Anybody into Expanded Involvement. National 4-H Council. 7100 Connecticut Ave., Chevy Chase, MD. (1994).


Maintaining, Motivating & Renewing Volunteers

Beyond Banquets, Plaques and Pins: Creative Ways to Recognize Volunteers & Staff. Vineyard, S. (1981). Downers Grove, IL: Heritage Arts Press.

Volunteer Training and Development. Stenzel, A.K. & Feeney, H.M. (1976). New York: The Seabury Press.

Secrets of Motivation: How to Get & Keep Volunteers & Paid Staff! Vineyard, S. (1991). Downers Grove, IL: Heritage Arts Press

PRINTED MATERIALS:

___ 4H-MI-06047 Minnesota 4-H: Building Effective Leadership (S) 

AUDIOVISUAL MATERIALS:

Youth Starts with You Nugget Series. Four video training modules designed for staff and adult volunteers to enhance their ability to Motivate, Communicate, Relate and Manage Behavior with youth. Each nugget (there are four nuggets within each of the four modules above) includes: a 3-4 minute video segment illustrating a single skill or idea; instructions for an interactive educational activity; and restatement of the nugget's main idea. RISE learning Solutions, in collaboration with Ohio 4-H, National 4-H, et al. (00). 1-800-436-2067.

...get yours today!



Print from University of Minnesota Extension Service
www.extension.umn.edu/units/dc



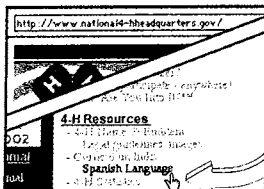
Order from National 4-H Cooperative Curriculum System www.n4hccs.org



Print from Center for 4H Youth Development
www.mn4H.org



Order from University of Minnesota Extension Service
www.extension.umn.edu/units/dc



4-H habla Español

Click on the **Spanish Language** link under **4-H Resources** on the National 4-H Headquarters home page:
www.national4-hheadquarters.gov/

EXTENSION OFFICE MATERIALS

Animal Science Affidavits, Lease Agreements, and Identification Forms

Camping

Educational Methods

Ethics

Extension Educator Support

General 4-H Records / Materials

Group Activity Curricula (after school / summer programs / camp)

Promotion and Enrollment Materials
















Recognition Items

Working with Special Needs Audiences.

The materials listed in this section are primarily for use by Extension staff with 4-H responsibilities.

ANIMAL SCIENCE



All Animal Science Affidavits are only available on the Center for 4-H Youth Development Staff Home Page.

___ BBIDA	Beef Breeding 
___ MBIDA	Beef Market 
___ MBIDA/WA	Beef Market with weight 
___ BShIDA	Sheep Breeding 
___ BShIDA	Sheep Market 
___ BShIDA/WA	Sheep Market with weight 
___ BSwIDA	Swine Breeding 
___ BSwIDA	Swine Market 
___ BSwIDA/WA	Swine Market with weight 
___ DIDA	Dairy Cattle 
___ BGIDA	Goat Dairy 
___ MGIDA	Goat Market 
___ RIDA	Rabbit 
___ DogIDA	Dog 
___ HIDA	Horse 

CAMPING

PUBLICATIONS:

4-H Camp Counselor Handbook - Limited quantities available from the Center for 4-H Youth Development.

- ___ 4H-MI-03387 Minnesota 4-H Songbook (small print version) (S) 
- ___ 4H-MI-03388 Minnesota 4-H Songbook (large print version, spiral bound) (S) 

Request the following items from the 4-H Natural Resources Educator in the Center for 4-H Youth Development:

- ___ Natural Resources Education: An Outdoor Education Resource for the Minnesota 4-H Camping Program
- ___ Man of the Year ... Planet Earth: 1989 4-H Camping Workshop Pre-Training






Camp and Program Leader Catalog. American Camping Association, Bradford Woods, 5000 State Road 67 North, Martinsville, IN 46151-7902, phone 1-800-428-CAMP. Free catalog includes descriptions of resource books for camping, along with ordering information.

EDUCATIONAL METHODS


MEMBER MATERIAL:

A. Public Presentations





Demonstrations

- ___ 4H-FO-00057 Getting Started in 4-H Demo-Talks (C) (for ages 9-12) 
- ___ 4H-MI-00058 4-H Demonstration Check Sheet (A) 
- ___ 4H-MI-00059 4-H Demonstration Planning Sheet (A) 
- ___ 4H-FO-00061 4-H Communication Program Leader's Guide (D) 
- ___ 4H-FO-00060 4-H Communication Program Member's Manual (for ages 13-19) (C) 












Public Speaking

- ___ 4H-BU-00061 4-H Communication Program (Leader's Guide) (D) 

B. Group Meetings

- ___ 4H-BU-00064 Training Handbook for 4-H Club Officers (F) 
- ___ 4H-BU-00065 On Our Way to Better Meetings (C) 
- ___ 4H-BU-00066 A Handbook for Effective Meetings (D) 
- ___ 4H-BU-02766 The Meeting Will Come to Order (C) 

C. Judging

- ___ 4H-BU-07184 Livestock Judging Techniques (I) 
- ___ 4H-MI-00067 Judging Cards (yellow) (packet of 100) (S) 
- ___ 4H-MI-00068 Judging Cards (green) (packet of 100) (S) 
- ___ 4H-MI-00069 Judging Cards (gray) (packet of 100) (S) 
- ___ 4H-MI-00070 Judging Cards (pink) (packet of 100) (S) 
- ___ 4H-MI-00071 Judging Cards (blue) (packet of 100) (S) 
- ___ 4H-MI-00072 Judging Cards (white) (packet of 100) (S) 
- ___ 4H-MI-00927 Judging Cards (orange) (packet of 100) (S) 
- ___ 4H-FO-00073 4-H Judging ... a Learning Experience (B) 
- ___ 4H-MI-00074 Minnesota 4-H Judging Placing Card (A) 
- ___ 4H-MI-00075 Minnesota 4-H Oral Reasons Note Card (A) 

LEADER MATERIAL:

Total Quality Management for Youth Producers. Available for \$100 from the University of Nebraska, 114 Ag. Hall, Lincoln, NE 68585-0700, phone 402-472-9016. (98)








OTHER RESOURCES:

- ___ Planning Conducting and Judging the 4-H Lamb head. Available from JRB Associates, Inc; Juanta & Dick Boniface; 2462 Lake George Dr. NW; Oak Grove, MN 55011. \$8.00 includes shipping.

EXTENSION EDUCATOR SUPPORT

- New! ___ MN 4H Youth Development Program Planning Guide. CD available to 4H staff from Heather Lee, Center for 4H Youth Development



Strengthening 4-H Clubs

- ___ 4H-MI-07495 Youth Survey 
___ 4H-MI-07496 Adult Survey 
___ 4H-MI-07523 Assessment Guide 
___ 4H-FO-07259 Living with Controversy 
___ 4H-FO-06699 Understanding Youth Development Work (C) 
___ 4H-BU-06715 Keys to Quality Youth Development (S) 
___ 4H-BU-07205 Teen Talk (S) 

Educational Materials:

Heads-On, Hands-On: The Power of Experiential Learning:

Hands-on, Heads-on : The Power of Experiential Learning It's here! A tool that will finally help Extension Educators, professional staff and volunteers in youth programming in all youth organizations make sense of experiential learning. You have lectured, role played and experimented with all sorts of simulations - now you have the real thing. This training teaching package, which consists of a facilitator's guide, video/DVD, and website (www.n4hccs.org) uses an experiential training design to illustrate how experiential learning takes place using real volunteers, children and youth. No attempt is made to say that this is the right way, but rather a way that can be modified to fit your style as a facilitator. (For grades K-12)

- ___ 4HCCS VH-07900 Experiential Learning Video and Facilitator Guide 
___ 4HCCS DV-07901 Experiential Learning DVD and Facilitator Guide 
___ Magic: Making a Group and Individual Commitment: Giving Juvenile Offenders a Chance to Change. University of Nevada Cooperative Extension, 1500 College Parkway, Elko, NV 89801, phone 775-738-1990, fax 775-753-7843, e-mail msmith@mail.ag.unr.edu. (01)

Building Community: A Tool Kit for Youth and Adults in Charting Assets and Creating Change. Assessing community assets and involving young people in positive change. Innovation Center for Community & Youth Development, Attn: BC Tool Kit, 7100 Connecticut Ave., Chevy Chase, MD 20815, phone 301-961-2837, info@theinnovationcenter.org. (01)

Building Bridges: Reaching People Through Communication. A series of 4-H handbooks. Reference guides for breeding or market projects: animal selection, management, products, nutrition, showing and selling, careers. Order from Extension Publications, Room B18, 45 N. Charter St., Madison, WI 53715, phone 877-947-7827.


Titles include:

- ___ Creative Wordworking: Fun Ideas for Writers
___ Crazy About Books: Having Fun With a Reading Circle
___ Voices from the Past: Listening to People With Stories to Tell





- ___ It's All in the Family (things to do together)
___ A Parent's Guide to Public Speaking
___ Communication Activities for 4-H Clubs and Other Youth Groups
___ Teaching Resources for Youth Educators

Tackling the Tough Skills™: A Curriculum Building Skills for Work and Life. To help individuals having difficulty in family, work and personal life, this program conveys coping skills related to attitude, responsibility, communication, decision making and preparing for the workplace. University of Missouri Outreach and Extension, 121 Meramec, Suite 501, Clayton, MO 63105, phone 314-615-7637. (01)

Communications Toolkit. This 4-H Youth Development Book aids parents, teachers, employers and others with fun, easy, meaningful activities for ages 12 and up. Kids learn news and creative writing, public speaking, graphic design, video, media and technology. Kit provides leaders' materials, hands-on activities, handouts. Information: 4-H Youth Development, Michigan State University Extension, 160 Agriculture Hall, East Lansing, MI 48824-1039. (00)


- ___ 4H-BU-07286 Just in Time Research: Children, Youth and Families 


Volunteer Leadership Systems

- ___ 4H-MI-06447 Mentoring in the 90's and Beyond (B)  
___ 4H-FO-06497 Recruitment Tips for a Mentoring Program (B)  




TAXI—Taking Anybody into Expanded Involvement. Available from National 4-H Council, 7100 Connecticut Ave., Chevy Chase, MD 20815-4999, phone 301-961-2959. (<98)

Club Leader Training

- ___ 4H-MI-06047 Minnesota 4-H: Building Effective Leadership (S) 

New! ___ 4H-MI-08116 MN 4H Volunteer Training Curriculum CD Eight lesson plans on four topic: Keys to Quality Youth Development, Creating Welcoming Environments, Physical and Emotional Safety, and Supporting Youth in Leadership. 

OTHER RESOURCES:

- ___ 4HCCS-MI-07515 Moving Ahead Together. A staff development resource to train volunteers and youth workers in concepts and practices basic to youth development. Interactive CDs are available. (00) 
___ FO-07259-B Living With Controversy. A 1998 4-page working document for Extension Educators to think and work constructively with controversy. (99)  

Strategies: Tools for Success in Youth Organization. Especially for new Extension Educators and Program Assistants. A 1998 resource dealing with the 40 Developmental Assets that young people need to grow up healthy. Covers introduction, learning, planning, recognition, and recreation. By University of Minnesota Service – Heartland Cluster. Ann Walter, Sharon Davis, Nancy Neil, Mary Lager-Hagemeyer. (99)

Learning About Early Adolescent Development: Training for Adults and Teens Who Work with 9- to 14-Year-Olds. 200 pages. 1996. Order item 109LAD from Cornell University, Media Services Resources Center, 7 Cornell B & T Park, Ithaca, NY 14850, phone 607-255-2080. (98)

Science Guidelines for Nonformal Education. 56 pages. Helps youth educators and volunteer leaders understand the importance of nurturing the skills necessary for a scientifically literate society. Order from Julie Chapin, 4-H Youth Programs, 6H Berkey Hall, Michigan State University, E. Lansing, MI 28824-1111, phone 517-355-0180. \$8. (98)

Nurturing Scientific Literacy Among Youth Through Experientially Based Curriculum Materials. 44 pages. Formalizes the process for developing experientially based non-formal science teaching materials. Order from Julie Chapin, 4-H Youth Programs, 6H Berkey Hall, Michigan State University, E. Lansing, MI 28824-1111, phone 517-355-0180. \$8. (98)

4-H Consumer Judging Activity. 16 pages. Tells how to set up a consumer judging event and how to be an effective judge. Order item K-304 from the University of Arkansas, P.O. Box 391, Little Rock, AR 72203, phone 501-671-2041. (98)

Creating Youth/Adult Partnerships – Training Curricula for Youth, Adults and Youth/Adult Teams. 1997. 130 pages. Contains training designs and camera-ready handout masters for three workshops: one for youth, one for adults, and one for youth and adults together. Shows how the developmental needs of young people can be met through opportunities to work in meaningful roles together with adults on issues of importance to young people's lives. Order from National 4-H Supply Service, 7100 Connecticut Ave., Chevy Chase, MD 20815, phone 301-961-2934. \$24.95. (98)

Training Trainers to Teach. Contact Cooperative State Research, Education & Extension Service, Ag. Box 0904, Room 3860 South Bldg., USDA, Washington, DC 20250-0904. (<98)

AUDIOVISUAL MATERIALS:

____ 4HCCS-CD-07661 Moving Ahead Posters, CD ROM. ☼

GENERAL 4-H RECORDS / MATERIALS

(See Educational Methods, Group Meetings, starting on page 7, for related material)

- ____ 4H-BU-07261 Minnesota 4-H Youth Development Financial Handbook for Leaders ☼☼☼
- ____ 4H-BU-00032 4-H Secretary's Record Book (F) ☼☼☼
- ____ 4H-MI-00033 Treasurer's Record Book (C) ☼☼☼
- ____ 4H-MI-08115 4-H Today/4-H Project Selection Guide (S)
- ____ 4H-MI-03409 Curriculum Guide to 4-H Projects (F)
- ____ 4H-MI-06901 4-H Youth Development Record – Basic (use one per member per project) (available in packets of 100) (S) ☼☼☼
- ____ 4H-MI-07047 4-H Youth Development Record – Experienced (use one per member per project) (available in packets of 100) (S) ☼☼☼
- ____ 4H-MI-06902 Planning Calendar (use one per member per year) (available in packets of 100) (S) ☼☼☼
- ____ 4H-MI-06903 4-H Youth Development Participation Summary — Basic (use one per member per year) (available in packets of 100) (S) ☼☼☼
- ____ 4H-MI-06904 4-H Financial Statement Resource Sheet ☼☼☼
- ____ 4H-MI-07048 4-H Youth Development Participation Summary — Experienced (use one per member per year) (available in packets of 100) (S) ☼☼☼
- ____ 4H-BU-07562 Tell a Story with a Blue Ribbon Exhibit. A guideline for designing county and state fair youth exhibits. ☼☼☼

GROUP ACTIVITY CURRICULUM (4H Adventures / after school / summer programs / camp)

- ____ 4HCCS-BU-07595 Hatching Classroom Projects. (grades 2-5) (Embryology) ☼
- ____ 4HCCS-BU-07596 Experiments in Poultry Science. (grades

6-8) (Embryology) ☼

LEADER MATERIAL:

Going Solo. This complete package in vertical file form guides leaders teaching the concepts and practices of entrepreneurship and business ownership to a variety of audiences. Order from University of Illinois Extension, Quad Cities Center, 4550 Kennedy Drive, East Moline, IL 61244, attn: Sharon Hough, phone 309-792-2500, fax 309-792-2602. (01)

The Rent Event. A workshop helping young people prepare to rent their first place: Leader's Guide and Member's Guide covering rental decisions, insurance, apartment care, etc. Order from Publications Distribution Center, Pennsylvania State University, 112 Agricultural Administration Building, University Park, PA 16802, phone 814-865-6713.

It All Adds Up. A consumer education program teaching teens to handle money, understand products and advertising, file complaints, manage checking accounts and credit. Includes 4-H Leader's guide 322LMI, introduction and evaluation for leaders, and group handouts. Cornell University, Media Services Resource Center, 7 Cornell Business and Technology Park, Ithaca, NY 14850, phone 607-255-2080. (01)

AUDIOVISUAL MATERIALS:

____ 4HCCS-CD-07732 Lessons and More CD. For teachers and volunteers: easy-to-use lesson plans and project guides for experiential, fun youth group activities. Designed to accompany selected activities in 4-HCCS: Animal Science (Dairy, Dog, Goat, Horse, Rabbit and Swine), Child Development, Entomology, Foods, Gardening, Health, and Mechanical Sciences (Aerospace, Bicycle, Computers, Electric, Small Engines and Woodworking). \$17. ☼

OTHER RESOURCES:

SCIENCE DISCOVERY SERIES:

New! Jump Into Foods & Fitness: Hands-on curriculum designed to help adults or older youth work with young people 8 - 11 yrs old. Topics of increased physical activity, nutrition and food safety in non-formal settings. Order item 4-H 1602 from MSU Bulletin Office, 117 Central Services, East Lansing, MI 48824 or <http://web2.msue.msu.edu/bulletins/mainsearch.cfm>

Bring your classroom or club alive by involving your students in exciting, hands-on, easy to organize science activities. Whether you are a school teacher, camp counselor, 4-H Club leader or teaching home schoolers you will find the lessons in the Science Discovery Series are fun and interesting to teach as they are for youth to experience. In Level 1 (72 pages) youth in grades 3-5 develop science skills as they explore whales, rocks and minerals, water quality, trees and recycling. Grades 4-6 in Level 2 explore weather, spiders, oceanography, trees and astronomy. Each lesson plan outlines subject matter and life skill objectives, materials needed, background information, a lesson outline containing detailed instructions, optional activities, references and resources, glossary and an evaluation instrument. Each of the 84 activities in this 200-page piece follows the experiential learning cycle. Developed by Rutgers, the State University of New Jersey. (For grades 3-5 and 4-6)

- ____ 4HCCS BU-07914 Science Discovery 1 ☼
- ____ 4HCCS BU-07915 Science Discovery 2 ☼
- ____ 4HCCS PC-07916 Science Discovery Set of 2 ☼

Magic: Making a Group and Individual Commitment: Giving Juvenile Offenders a Chance to Change. University of Nevada Cooperative Extension, 1500 College Parkway, Elko, NV 89801, phone 775-738-1990, fax 775-753-7843, e-mail msmith@mail.ag.unr.edu. (01)

____ 4HCCS-MI-07714 Down-to-Earth, Classroom Gardening. Through this program, children and educators use gardening to explore growing food or fiber. Children acquire basics of botany, ecology and more. The kit includes a CD-ROM for PC and a Leader's Guide. 🌱

Wonderwise: Women in Science Learning Series. Learning kits introducing science careers and women working in them, from the Nebraska 4-H Youth Development and the University of Nebraska State Museum, Lincoln, Nebraska. Order online: www.wonderwise.unl.edu or call 1-800-228-4630.

Titles include:

- ____ Urban Ecologist: Carmen Cid. Activity Book and Biography.
- ____ Parasite Sleuth: Activity Book.
- ____ African Plant Explorer: Activity Book.
- ____ Pollen Detective: Activity Book.
- ____ Sea Otter Biologist: Activity Book.
- ____ Rain Forest Ecologist.

R.I.S.E. (Respect and Integrity through Skills and Education). A workforce readiness program used in after-school and summer career clubs for ages 11-16. Young people visit career sites, find jobs, develop communication and human relations skills. Manual shows how to administer a program and form community partnerships; includes forms, calendar, resources. University of Connecticut Cooperative Extension System, 67 Stony Hill Rd., Bethel, CT 06801, phone 203-207-3264. (01)

- ____ 4H-EP-07531 Talking With TJ – I, Teamwork Series (Complete kit includes video, leader guide, one set of posters and 15 sets of handouts) 🎥
- ____ 4H-EP-07532 Talking With TJ – I, Handouts and Poster Refill Kit (includes 15 sets of handouts and one set of posters) 🎥
- ____ 4H-EP-07533 Talking With TJ – II, Conflict Resolution Series (Complete kit includes video, leader guide, one set of posters and 15 sets of handouts) 🎥
- ____ 4H-EP-07534 Talking With TJ – II, Handouts and Poster Refill Kit (includes 15 sets of handouts and one set of posters) 🎥
- ____ HE-MI-07121 Fun Food Stuff 🎥
- ____ NR-MI-06968 AGLAND: The Game 🎥

Boomerang! (Character Education). A 17-session youth development program, geared to youth in individualized curricula for grades 4-5, grade 6, and grades 7-8. It emphasizes character and life skills development as well as service learning through experience. The 300-page set includes a manual for the adult/team teacher and two copies of the color poster. (Youth teaching youth in school context) \$30 + \$6.20 shipping. Contact ISU Extension Distribution, 119 Printing and Publications Bldg., Iowa State University Ames, IA 50011-3171, phone (515) 294-5247. (99)

____ 4H-BU-07406 Geology Curriculum from Kansas State Cooperative Extension Service printed in 2000. This 80-page curriculum covers four learner levels and includes objectives, activities, leader's notes, and dialogue for critical thinking for each of the 16 topics. (00) 🎥

Get a Jump on Germs: Making Food Safer. A 1989 University of California, Davis and Washington State University 4-H publication "Every Youth a Scientist, Learn by Doing Science Series" for grades 3-5. 128 pages. (99)

Personal Finance Economics, from Economics America National Council on Economic Education, 1140 Avenue of the Americas, New York, NY 10036 (99) Two titles:

- Smart Spending and Saving. ISBN 1-56183-413-0. A 1996 Teacher Resource Manual with content for grades 3-5. 97 pages.
- Money in the Middle, ISBN 1-56183-414-9. A 1996 Teacher Resource Manual with content for grades 6-8. 125 pages.

Astronomy: It's Out of This World (132LM1). A 1995 Leader/Member Guide, Member Evaluation and 8 activities for ages 8-12. Order from Cornell University Media Services Resource Center, 8BTP, Ithaca N.Y. 14850; \$8.95 (99)

Toys in Space 1997. Produced by Iowa State University Extension, 32 Curtiss Hall, Ames, IA 50011; phone: 515-294-8417. (99) Made up of:

- Helper Educator Guide level I, 55 pages
- 14, level I Youth Activity sheets
- 15, level II Youth Activity sheets
- Video 37 minutes K-12.

Funtivities: Hands-On Science and Math. 1998. from Iowa State University Program for Women in Science and Engineering. (99)

- Level 1 Leader/Helper Guide 142 pages. Level 1 Youth Activity Guide 47 pages.
- Level 2 Leader/Helper Guide 177 pages, Level 2 Youth Activity Guide 77 pages.

4-H Off to Adventure. A K-3 group activity guide providing 24 guided activities. 76 pages. Order item 4-H 681L from Oregon State University, Publication Orders, 422 Kerr Administration, Corvallis, OR 97331-2119, phone 541-737-2513. \$10. (99)

4-H Wetland Wonders. A Water Quality Curriculum for Grades 4 and 5 – Leader Guide, 1998. An 84-page guide from Oregon 4-H Center/Wetlands Program, 5390 4-H Road NW, Salem, OR 97304. (99)

The Fabric/Flight Connection. A 1997 three-ring manual of 207 pages that teaches principles of fiber science through the story of aviation. Consists of an activity notebook and video tape. Manual 329LM1, \$30.00; Video 329VFFC, \$21.95; Order from Cornell University Media Services Resource Center, 8BTP, Ithaca, N.Y. 14850. (99)

In-Touch Science: Foods & Fabrics. 1996. Grades 3-5; used best in groups of 5-10 children. Contains 10 experiments to let children observe how similar science concepts relate to both food and fabrics. 84 pages. Order item 399LM18 from Cornell University, Media Services Resources Center, 7 Cornell B & T Park, Ithaca, NY 14850, phone 607-255-2080. \$10. (98)

Getting into a Food Mood - Communicating Food Issues. 1996. Grades 3-10. Designed to teach youth and young adults about food production and how an adequate food supply can be assured for future generations. 82 pages. Order item WFP030 from National 4-H Supply, phone 301-961-2934. \$4. (98)

4-H Adventures Leader Guide. 8 pages. Order item 4-H 6810L from Oregon State University, Publication Orders, 422 Kerr Administration, Corvallis, OR 97331-2119, phone 541-737-2513. \$1.50. (98)

The Incredible Egg – 4-H Classroom Curriculum Guide for Grade Level 4-5. 78 pages. Integrates the concepts of chick embryology into easy-to-use math, science, and language arts lesson plans. Order item 4-H 1500 from Oregon State University, Publication Orders, 422 Kerr Administration, Corvallis, OR 97331-2119, phone 541-737-2513. \$5. (98)

Field of Genes – Making Sense of Biotechnology in Agriculture. 1997. Grades K-12. 108 pages. Includes experiential activities; intended for volunteer leaders and teachers who want to help

children and young adults learn how genetically engineered products are created and understand the impact these products may have on agricultural production and the environment. Order item ES0046 from National 4-H Supply Service, 7100 Connecticut Ave., Chevy Chase, MD 20815, phone 301-961-2934. \$5. (98)

Mud, Muck and Other Wonderful Things: An Environmental Curriculum for Five- to Eight-Year-Olds. 1995. 84 pages. Order item ES003 from National 4-H Supply Service, 7100 Connecticut Ave., Chevy Chase, MD 20815, phone 301-961-2934. (98)

Energizing Your Future With Energy, Economics, and the Environment. 116 pages. Order from National 4-H Supply Service, 7100 Connecticut Ave., Chevy Chase, MD 20815, phone 301-961-2934. (98)

Every Youth a Scientist 4-H Series: Learn by Doing Science. For adult leaders with science backgrounds to use with youth. For information on cost, contact 4-H SERIES Project, University of California-Davis, phone 916-752-8824. (98)

Consumer Critter Crew: A Consumer Life Skill Curriculum for Youth Ages 9-11. Consists of a Leader's Guide, a 25-min. video, a poster, and six lessons for "rookie consumers." Order from Dept. of Ag. Communications, Reed McDonald Bldg., Texas A & M University, College Station, TX 77843, phone 409-845-2211. (98)

Going Places, Making Choices. Environmental stewardship curriculum helps 16-18-year-olds and leaders. Booklets explore issues and ethical choices on transportation and the environment: history, natural resources and energy use, climate change, land use, community action. Leader's guide provides introduction, resources, references. Useful in schools, day seminars, camp programs. National 4-H Council, 7100 Connecticut Avenue, Chevy Chase, MD, 20815-4999, phone 301-961-2800, fax 301-961-2894, website www.fourhcouncil.edu. (00)








Character At Work. A fast-paced, interactive program helps 16-to-18-year-olds enter the workplace with ethical decision-making skills. Participants review their current beliefs and behavior, gain new information. Binder contains background, facilitators' guidelines, presentation plans, activities, handouts, evaluation materials. Good for after-school, camp and career programs. Jan Carroll, PhD, State 4-H Office, 129 Aylesworth NW, Fort Collins, CO 80523-4050, phone 970-491-6102, e-mail carroll@cahs.colostate.edu. (00)

Focus on Character: An Introduction to Character Education for 4-H Clubs. This package guides leaders through character education for ages 8-13. Useful in after-school and camp programs. Folder has background information, meeting plan, ways to include character education in club meetings, staff/volunteer training tips, resource lists. Activities build trustworthiness, respect, responsibility, fairness, caring, citizenship, decision-making skills. Available from University of Illinois Extension, 302 East John St., Suite 1901, Champaign, IL. 61820, phone (217) 333-0911, e-mail munsunm@mail.aces.uicu.edu. (00)






PROMOTION AND ENROLLMENT MATERIALS


Available only to 4H Staff and the Center for 4H Youth Development Staff Home Page.

PROMOTION MATERIAL:



- ___ 4H-MI-07054 4-H ... It's Not Just Fun and Games (packet of 100) (S)  
- ___ 4H-FS-07023 4-H More Than You Ever Imagined (for K-3) (S)  
- ___ 4H-MI-08115 4-H Today/4-H Project Selection Guide (S)  
- ___ 4H-MI-03716 4-H for People Like Me! (C) 

4H Go Cards:

- New! ___ 4H-MI-08109 See YOUR Potential 
- New! ___ 4H-MI-08110 See THEIR Potential 
- New! ___ 4H-MI-08111 4H Afterschool 
- New! ___ 4H-MI-08112 4H Adventures 
- New! ___ 4H-MI-08113 Get Green 



- New! ___ 4H-MI-08114 4H Promotional Brochure for Parents 

Events & Activities

- ___ 4H-MI-00040 4-H Health Information Sheets (available in packets of 100) (S)  

ENROLLMENT MATERIAL:

See the Center for 4H Youth Development staff home page for modifiable versions of enrollment forms

- 4H Member Enrollment Form 
- 4H Volunteer Enrollment Form 

AUDIOVISUAL MATERIALS:

Bienvenidos a 4-H. A Spanish-language video overview of the 4-H program, highlighting the importance of adult volunteers. Footage shows how 4-H helps Latino(a) youth learn life skills and supports traditional Latino community values. Closed captions are in English. Publication Orders, Extension & Station Communications, Oregon State University, 422 Kerr Administration, Corvallis, OR 97331-2119, Puborders@orst.edu, fax 541-737-0817. (01)

- ___ 4H-VH-02733 4-H Club Projects 








RECOGNITION ITEMS

Available only to 4H Staff and the Center for 4H Youth Development Staff Home Page.

- ___ 4H-MI-00018 Minnesota 4-H Key Award Application Blank (B) 
- ___ 4H-MI-00019 Minnesota 4-H Key Award Brochure (A) 
- ___ 4H-MI-00005 Minnesota 4-H Key Award (certificate) (A) 
- ___ 4H-MI-00001 4-H Certificate of Appreciation (A) 
- ___ 4H-MI-00003 4-H Certificate of Participation (A) 
- ___ 4H-MI-00006 4-H Graduation Certificate (A) 
- ___ 4H-MI-00004 Certificate of Youth Leadership (A) 
- ___ 4H-MI-02710 4-H Certificate of Participation (4-H Foods and Nutrition Project) (A) 
- ___ 4H-MI-00008 4-H Silver Clover Award (S) 
- ___ 4H-MI-00009 4-H Gold Clover Award (S) 
- ___ 4H-MI-00010 4-H Pearl Clover Award (S) 
- ___ 4H-MI-00011 4-H Diamond Clover Award (S) 
- ___ 4H-MI-00012 4-H Emerald Clover Award (S) 
- ___ 4H-MI-00013 4-H Ruby Clover Award (S) 
- ___ 4H-MI-00014 4-H Sapphire Clover Award (S) 
- ___ 4H-MI-00007 Certificate of 4-H Adult Leadership (A) 

WORKING WITH SPECIAL NEEDS AUDIENCES

Common Ground is a series of 4-H projects designed for children and youth with disabilities. The following units are available in the Distribution Center:

- ___ 4H-MI-03446 4-H Common Ground Program, Health and Grooming, Leader's Guide (S) 
- ___ 4H-MI-03447 4-H Common Ground Program, Safety, Leader's Guide (S) 
- ___ 4H-MI-03448 4-H Common Ground Program, Personal Management, Living As If People Mattered, Leader's Guide (S) 
- ___ 4H-MI-03449 4-H Common Ground Program, Clothing Care and Repair, Leader's Guide (S) 
- ___ 4H-MI-03450 4-H Common Ground Program, Woodworking, Leader's Guide (S) 
- ___ 4H-MI-03451 4-H Common Ground Program, Home Care and Repair, Leader's Guide (S) 
- ___ 4H-MI-03454 4-H Common Ground Program, Horticulture Leader's Guide (S) 

OTHER RESOURCES:

Publications Catalog of the Institute on Community Integration. Extensive list of resources around disabilities, including newsletters, resource guides, curricula, reports, briefs, and brochures. Order from Institute on Community Integration, 109 Pattee Hall, 150 Pillsbury Dr. S.E., Minneapolis, MN 55455, phone 612-625-4512. Free. (98)

Caring for Children with Special Needs Series. A 1998 series of 13 fact sheets for child care providers and others working with children who have special needs. Available from Iowa State University, NNCC Special Needs Fact Sheets, Communication Systems – Distribution Center, 119 Printing and Publications Building, Ames, IA 50011-3171. \$0.50 per copy. (99)

- Feeling Comfortable (NNCC98-06)
- The Americans with Disabilities Act (NNCC98-07)
- Allergies and Asthma (NNCC98-08)
- Attention Deficit Disorder (NNCC98-09)
- Chronic Illness (NNCC98-10)
- Challenging Behaviors (NNCC98-11)
- Visual Impairments (NNCC98-18)
- Developmental Delays (NNCC98-12)
- Hearing Impairments (NNCC98-13)
- HIV-AIDS (NNCC98-14)
- Physical Differences and Impairments (NNCC98-15)
- Seizure Disorders (NNCC98-16)
- Speech and Language Problems (NNCC9817)

...get yours today!



Print from University of Minnesota Extension Service
www.extension.umn.edu/units/dc



Order from National 4-H Cooperative Curriculum System www.n4hccs.org



Print from Center for 4H Youth Development
www.mn4H.org



Order from University of Minnesota Extension Service
www.extension.umn.edu/units/dc

ANIMAL SCIENCE

Beef

Cat

Dairy

Dairy Goat

Dog

Horse

Pets

Poultry

Rabbits

Sheep

Swine

Veterinary Science

The 4-H Animal Science projects include experiences such as selecting, feeding, managing, caring for, evaluating, training, and showing animals. Through participation in these projects in a family or project group setting, 4-H members develop the following important life skills:

- relating to change
- learning how to learn
- getting along with others
- making decisions
- developing responsibility, patience, and pride of ownership
- developing leadership ability, sportsmanship, and speaking ability
- exploring careers

PROGRAMS AND ACTIVITIES

Judging Contests—Members may participate in a wide variety of judging contests from the local club to the national level. Team judging is available for general livestock, meats, dairy, rabbit, poultry, and horse.

Project Bowls—Regional and state competition is available for county teams in horse, general livestock, dairy, dairy goat, rabbit, dog, and poultry. Horse, dairy, and poultry also have national project bowls. At the state level there is also a Project Bowl for foods and nutrition.

Fairs and Shows—Most projects may be exhibited at county and state fairs. Interstate shows such as AK-SAR-BEN also are popular. Regional and state matches are available in the dog project.

See the **EDUCATIONAL METHODS** section starting on page 7 for more educational materials not specific to any particular animal species.

BEEF

11000

MEMBER MATERIAL:

- ___ 4HCCS-BU-06351 Bite Into Beef, Level I (S) 🌀
- ___ 4HCCS-BU-06352 On the Mooove, Level II (S) 🌀
- ___ 4HCCS-BU-06353 Leading the Charge, Level III (S) 🌀

LEADER MATERIAL:

- ___ 4HCCS-BU-06350 Exploring Farm Animals (S) 🌀
- ___ 4HCCS-BU-06354 Beef Group Activity Guide (S) 🌀
- ___ 4HCCS-BU-07332 Calf Pattern (S) 🌀

OTHER RESOURCES:

- ___ 4H-MI-00091 Minnesota 4-H Beef Parts Crossword Puzzle (1/career) (A) 🌀
- ___ 4H-MI-00090 Minnesota 4-H Beef Chart (1/project group) (C) 🌀
- ___ 4H-FO-00087 Fitting and Showing Beef Cattle (C) 🌀
- ___ AG-MI-00688 Dark-Cutting Beef (C) 🌀
- ___ 4H-BU-07184 Livestock Judging Techniques (I) 🌀

Kansas 4-H Beef Curriculum Notebook. Total of 82 project meeting guides from levels I-IV. Order directly from Curriculum Notebooks, State 4-H Office, 201 Umberger Hall, KSU, Manhattan, KS 66506-3404. \$50. (<98)

Cornell Beef Production Reference Manual Fact Sheets.

Available from local office for livestock project bowl:

- 1060 Vitamin Requirements of Beef Cattle
- 1091 Livestock Water Quality
- 1250 Producing Beef from Holstein Steers
- 5400 Beef Cattle Reproduction
- 5420 Developing a Management System to Improve Beef Reproductive Efficiency
- 5500 Selecting a Breed of Beef Cattle
- 5410 Calving Difficulty in Beef Cattle (<98)

REFERENCE MATERIALS:

4-H Beef Resource Handbook. Reference guides for breeding or market projects: animal selection, management, products, nutrition, showing and selling, careers. Ohio State University Media Distribution, 385 Kottman Hall, 2021 Coffey Road, Columbus, OH 43210-1044, phone 614-292-1607. (01)

CAT**11500****MEMBER MATERIAL:**

- ___ 4HCCS-BU-06146 Purrr-fect Pals! Level I (S) ☼
- ___ 4HCCS-BU-06147 Climbing Up, Level II (S) ☼
- ___ 4HCCS-BU-06148 Cat Connections, Level III (S) ☼

LEADER MATERIAL:

- ___ 4HCCS-BU-06149 Cat Group Activity Guide (S) ☼
- ___ 4HCCS-BU-06350 Exploring Farm Animals (S) ☼

OTHER RESOURCES:

The DAD'S Guide to Care. Order directly from DAD'S Professional Services, P.O. Box 451, Meadville, PA 16335. (<98)

DAIRY CATTLE**12000****MEMBER MATERIAL:**

- ___ 4HCCS-BU-06154 Dig into Dairy, Level I (S) ☼
- ___ 4HCCS-BU-06155 Moooving Ahead, Level II (S) ☼
- ___ 4HCCS-BU-06156 Leading the Way, Level III (S) ☼

REFERENCE MATERIAL:

- ___ 4H-BU-06791 Learning About Dairy ... A Resource Guide for the 4-H Dairy Project 🐄
- ___ 4H-BU-06414 Practical Techniques for Dairy Farmers (S) 🐄

LEADER MATERIAL:

- ___ 4HCCS-BU-06157 Dairy Group Activity Guide (S) ☼
- ___ 4HCCS-BU-06350 Exploring Farm Animals (S) ☼
- ___ 4HCCS-BU-07332 Calf Pattern (S) ☼

OTHER RESOURCES:

- ___ 4H-MI-00101 Minnesota 4-H Dairy Chart (C) 🐄
- ___ 4H-MI-00096 Dairy Member Summary (A) 🐄
- ___ 4H-MI-00102 Minnesota 4-H Dairy Parts Crossword Puzzle (1/member) (A) 🐄

Uniform Scorecard for Judging Junior Dairy Fitting & Showmanship Contest. Order directly from Pure Bred Dairy Cattle Assn., c/o Brad Ellsworth, P.O. Box 160, Cabool, MO 65689. (<98)

AUDIOVISUAL MATERIALS:

- ___ 4HCCS-CD-07732 Lessons and More CD. See full description on page 9. ☼

GOAT**12500****DAIRY GOAT****MEMBER MATERIAL:**

- ___ 4HCCS-BU-06162 Getting Your Goat, Level I (S) ☼
- ___ 4HCCS-BU-06163 Stepping Out, Level II (S) ☼
- ___ 4HCCS-BU-06164 Showing the Way, Level III (S) ☼

LEADER MATERIAL:

- ___ 4HCCS-BU-06165 Goat Group Activity Guide (S) ☼
- ___ 4HCCS-BU-06350 Exploring Farm Animals (S) ☼

MEAT GOAT**MEMBER MATERIAL:**

Activities related to breeds, health care, grooming, production, reproduction, management, showmanship, marketing & careers.

- ___ 4 HCCS-BU-07909 Just Browsing ☼
- ___ 4 HCCS-BU-07910 Get Growing with Meat Goats ☼
- ___ 4 HCCS-BU-07911 Meating the Future ☼

LEADER MATERIAL:

- ___ 4 HCCS-BU-07912 Meat Goat Helper's Guide ☼

OTHER RESOURCES:

- ___ 4H-MI-00125 Minnesota 4-H Dairy Goat Chart (1/leader) (C) 🐄
- ___ 4H-MI-00124 Minnesota 4-H Dairy Goat Parts Crossword Puzzle (1/member) (A) 🐄

AS-125 Playing Animal Pyramid. The Extension Goat Handbook by Haeniem Ace. Order directly from USDA, Washington, DC.

American Dairy Goat Association Guidebook. Order from American Dairy Goat Association, Box 805, Spindale, NC 28160, phone 704-286-3801. (<98)

AUDIOVISUAL MATERIALS:

- ___ 4HCCS-CD-07732 Lessons and More CD. See full description on page 9. ☼

DOG**13000****MEMBER MATERIAL:**

- ___ 4HCCS-BU-06150 Wiggles'n' Wags, Level I (S) ☼
- ___ 4HCCS-BU-06151 Bounding Ahead, Level II (S) ☼
- ___ 4HCCS-BU-06152 Pointing the Way, Level III (S) ☼
- ___ 4H-PC-00111 Minnesota 4-H Dog Show Guide (E) 🐕🐕🐕
- ___ 4H-BU-07997 Minnesota 4H Dog Obedience Rules & Guidelines 🐕
- ___ 4H-FO-00110 Dog, Minnesota 4-H Dog Member Advancement Program (1/career) (C) 🐕
- ___ 4H-MI-07538 Minnesota 4-H Dog Agility Rules and Guidelines 🐕🐕🐕

LEADER MATERIAL:


- ___ 4HCCS-BU-06153 Dog Group Activity Guide (S) ☼
- ___ 4H-PC-00111 Minnesota 4-H Dog Show Guide (E) 🐕🐕🐕
- ___ 4HCCS-BU-06350 Exploring Farm Animals (S) ☼

OTHER RESOURCES:**General**


The Complete Dog Book For Kids, AKC, 1st Edition, ©1996 Softcover ISBN# 0-87605-460-2 – hardcover ISBN# 0-87605-458-0. Available from your local bookstore (can be ordered using ISBN#) or from R.C. Steele (softcover item #V47-3264), 1-800-872-3773, 1989 Transit Way, Box 910, Brackport, NY 14420-0910

Dog Owner's Home Vet Handbook – Revised & Expanded. Carlson & Griffin, 2nd Edition, © 1992, ISBN# 0-870605-4. Available from your local bookstore (can be ordered using ISBN#) or from R.C. Steele (item #V47-0126), 1-800-872-3773, 1989 Transit Way, Box 910, Brackport, NY 14420-0910.


- ___ 4H-MI-00121 Minnesota 4-H Dog Chart (1 per club) (C) 🐕


___ 4H-MI-00122 Minnesota 4-H Dog Parts Crossword Puzzle (1/member) (A) 

AUDIOVISUAL MATERIALS:

___ 4HCCS-CD-07732 Lessons and More CD. See full description on page 9. 

EXPLORING FARM ANIMALS 17000


Exploring Farm Animals PLUS Sheets. Contact your Local Extension Office for a copy. 

___ 4HCCS-BU-06350 Exploring Farm Animals Helpers Guide (S) 

HORSE 13500


MEMBER MATERIAL:


Horseless


Revised ___ 4HCCS-BU-08053 Giddy Up & Go (S) 


Horse


4-HCCS has revised their material for 2004:



Revised ___ 4HCCS-BU-08053 Giddy Up & Go 

Revised ___ 4HCCS-BU-08054 Head, Heart & Hooves 

Revised ___ 4HCCS-BU-08055 Stable Relationships 



Revised ___ 4HCCS-BU-08056 Riding the Range 

Revised ___ 4HCCS-BU-08057 Jumping to New Heights 



___ 4H-MI-02620 Minnesota 4-H Horse Program Rule Book (1st year) (D)  

___ 4H-BU-00129 Horse Science (Unit II) (S)

___ 4H-MI-05550 4-H Horse Health Chart (1/horse) (A)

___ 4H-MI-03839 Minnesota 4-H Horse Member Achievement Program (D)  



Horse Training Program


___ 4H-MI-03839 Minnesota 4-H Horse Member Achievement Program (D)  

___ 4H-MI-03840 Minnesota 4-H Horse Training Program (D)  


LEADER MATERIAL:

Revised ___ 4HCCS-BU-08058 Horse Group Activity Guide (S) 



___ 4H-MI-02620 Minn. 4-H Horse Program Rule Book (D)  


___ 4HCCS-BU-06350 Exploring Farm Animals (S) 



OTHER RESOURCES:


___ 4H-BU-05925 Horses and Horsemanship (Unit I) (S) 


___ NR-BU-07540 Manure and Pasture Management for Recreational Horses  


___ AG-BU-00482 Selecting Your Horse (E) (1st year)  


___ AG-BU-00484 Horse Care and Management (F) (1st year) 

___ AG-FO-00480 Horse Nutrition and Feeding (C) (2nd year)  

___ 4H-MI-00134 4-H Performance Horse Judging (C) 

___ 4H-MI-00133 Preparing a 4-H Horse Judging Team (C) 


___ 4H-MI-00136 Minnesota 4-H Horse Parts Crossword Puzzle (1/member) (A) 

___ 4H-MI-00135 Minnesota 4-H Horse Chart (1/club) (C) 

Minnesota 4-H Horse Program Library Catalog is available at


Local Extension Offices. It lists books, videos, and other horse materials that may be borrowed for three weeks each at low cost from the Minnesota Horse Program Library. The catalog may be purchased for \$1 from Lynn Watland, Route 1, Box 336, Browerville, MN 56438. (<98)


AUDIOVISUAL MATERIALS:


___ 4HCCS-CD-07732 Lessons and More CD. See full description on page 9. 


PETS 14000

MEMBER MATERIAL:


Pets PLUS Sheets, an introduction to the Pets Project and a list of available resources. Contact your Local Extension Office for a copy. 


___ 4HCCS-BU-06359 Pet Pals, Level I (S) 

___ 4HCCS-BU-06360 Scurrying Ahead, Level II (S) 

___ 4HCCS-BU-06361 Scaling the Heights, Level III (S) 

LEADER MATERIAL:

___ 4HCCS-BU-06362 Pet Group Activity Guide (S) 


___ 4HCCS-BU-06350 Exploring Farm Animals (S) 


OTHER RESOURCES:


Explore the World of Small Animals. 1994. 72 pages. Order item EM4871 from 4-H Office, Washington State University, 323 Hulbert, Pullman, WA 99164-6236. (<98)


POULTRY 14500


MEMBER MATERIAL:


___ 4HCCS-BU-06363 Scratching the Surface, Level I (S) 

___ 4HCCS-BU-06364 Testing Your Wings, Level II (S) 



___ 4HCCS-BU-06365 Flocking Together, Level III (S) 



___ 4HCCS-MI-07733 Chick Development Poster 



___ 4HCCS-BU-07595 Hatching Classroom Projects. (grades 2-5) (Embryology) 



___ 4HCCS-BU-07596 Experiments in Poultry Science. (grades 6-8) (Embryology) 



Chickens


___ AG-FS-01188 The Small Flock for Poultry Meat (1st year) (A)  

___ AG-FO-00701 Home Processing of Poultry (2nd year) (C)  



___ AG-FS-01191 Rearing Chicks and Pullets for the Small Laying Flock (1st year) (A)  


___ AG-FS-01192 The Small Laying Flock (1st year) (A)  

___ AG-FS-01182 Evaluating Egg Production Hens (A)  



___ 4H-BU-03937 Poultry Judging (S) 

Turkeys

___ AG-FO-00701 Home Processing of Poultry (C)  

___ 4H-MI-05605 Small Turkey Flock Management (C) 

Ducks

___ AG-FS-01189 Raising Ducks (A)  

___ AG-FO-00701 Home Processing of Poultry (C)

Geese

___ AG-FS-01190 Raising Geese (A)

___ AG-FO-00701 Home Processing of Poultry (C)

Show and Hobby

___ AG-FS-01191 Rearing Chicks and Pullets for the Small Laying Flock (1st year) (A)

___ AG-FS-01192 The Small Laying Flock (1st year) (A)

___ 4H-BU-00139 Pigeons (1st year) (D)

___ AG-FO-00631 Hatching and Brooding Small Numbers of Chicks (2nd year) (B)

LEADER MATERIAL:

___ 4H-BU-03937 Poultry Judging (S)

___ 4HCCS-BU-06350 Exploring Farm Animals (S)

___ 4HCCS-BU-06366 Poultry Group Activity Guide (S)

OTHER RESOURCES:

___ 4H-MI-00142 Minnesota 4-H Chicken Chart (C)

___ 4H-MI-00143 Minnesota 4-H Chicken Chart Worksheet (A)

___ AG-FS-03694 Erysipelas in Water Fowl (A)

___ AG-FS-03604 Gamebirds (A)

___ AG-FS-03605 Farm Flock Poultry (A)

The "American Poultry Association Standard of Perfection" in color, hard cover, \$48. Softcover black-and-white version available, \$15. Prices include shipping. Order from Lorna Rhodes, 133 Milville St., Mendon, MA 01756, phone/fax 508-473-8769. (01)

National 4-H Avian Bowl Manual. Order directly from Clemson University, Bulletin Room, Room 62, Poole Agricultural Bldg., Clemson, SC 29634. \$5. (<98)

AUDIOVISUAL MATERIALS:

New! ___ 4H Poltry Judging Contest CD available at www.ansci.umn.edu/poultry/CD/

For more information on poultry, see your Extension Office for the Poultry Handbook.

RABBITS

15000

MEMBER MATERIAL:

Revised ___ 4HCCS-BU-08080 What's Hopping? (S)

Revised ___ 4HCCS-BU-08081 Making Tracks (S)

Revised ___ 4HCCS-BU-08082 All Ears (S)

___ 4H-MI-05964 4-H Small Animal Lease Agreement (A)
On line only.

REFERENCE MATERIAL:

___ 4H-BU-06905 Rabbits, Rabbits, Rabbits (H)

LEADER MATERIAL:

Revised ___ 4HCCS-BU-08083 Rabbit Helper's Guide (S)

___ 4HCCS-BU-06350 Exploring Farm Animals (S)

OTHER RESOURCES:

___ 4HCCS-BU-07199 Rabbit Pattern (S)

___ 4H-MI-00145 Minnesota 4-H Rabbit Chart (C)

___ 4H-MI-00146 Minnesota 4-H Rabbit Parts Crossword Puzzle (A)

Kansas 4-H Rabbit Curriculum Notebook. Contains project meeting guides from levels I-IV. Order directly from Curriculum Notebooks, State 4-H Office, 201 Umberger Hall, KSU, Manhattan, KS 66506-3404. \$50. (<98)

AUDIOVISUAL MATERIALS:

___ 4HCCS-CD-07732 Lessons and More CD. See full description on page 9.

___ 4H-VH-05635 4-H Rabbit Showmanship and Judging Rabbits

SHEEP

15500

MEMBER MATERIAL:

___ 4HCCS-BU-06367 Lambs, Rams and You, Sheep Level I (S)

___ 4HCCS-BU-06368 Shear Delight, Sheep Level II (S)

___ 4HCCS-BU-06369 Leading the Flock, Sheep Level III (S)

___ 4H-BU-05959 Youth and 4-H Sheep Project (F)

LEADER MATERIAL:

___ 4HCCS-BU-06350 Exploring Farm Animals (S)

___ 4HCCS-BU-06370 Sheep Group Activity Guide (S)

OTHER RESOURCES:

___ 4H CCS-BU-07514 Lamb Pattern (S)

___ 4H-FO-00149 Fitting and Showing Sheep (1/career) (B)

___ 4H-MI-00151 Minnesota 4-H Sheep Chart (C)

___ 4H-MI-00153 Minnesota 4-H Sheep Parts Crossword Puzzle (A)

___ AG-FO-00611 Avoiding Lambing Season Problems (B)

___ AG-FO-01877 Sheep Diseases (B)

___ AG-FO-00730 Starting or Expanding Your Sheep Flock (B)

___ AG-FO-00855 Sheep Flock Calendar of Management Decisions (C)

___ AG-FO-00646 Strategies for Feeding the Ewe Flock (C)

___ AG-FO-00609 Choosing a Profitable Breed of Sheep (B)

___ 4H-BU-07184 Livestock Judging Technique (I)

Sheep Industry Development Handbook. Obtain from Extension Office, or write to Sheep Industry Development Program, Department P788, Clayton Street, Denver, CO 80206. Used for Livestock Project Bowl reference. (Reproduction section, 1-14, Nutrition Section, 1-15.) (<98)

Minnesota Farmer's Care—An Overview of Minnesota's Animal Agriculture Industry. Order 36-page publication directly from Minnesota Farmer for Animal Agriculture, 2469 University Ave., St. Paul, MN 55114. (<98)

All About Wool. Growing and Preparation, Judging Criteria, Wool Terminology, Marketing-Grades, References and Resources. Available from JRB Associates, Inc; Juanita & Dick Boniface; 2462 Lade George Dr. NW; Oak Grove, MN 55011. \$8.00 includes shipping.

OTHER RESOURCES:

Planning Conducting and Judging the 4-H Lamb Lead. Available from JRB Associates, Inc; Juanita & Dick Boniface; 2462 Lake George Dr. NW; Oak Grove, MN 55011. \$8.00 includes shipping.

REFERENCE MATERIALS:

4-H Sheep Resource Handbook. Reference guides for breeding or market projects: animal selection, management, products, nutrition, showing and selling, careers. Ohio State University Media Distribution, 385 Kottman Hall, 2021 Coffey Road, Columbus, OH 43210-1044, phone 614-292-1607. (01)

SWINE 16000

MEMBER MATERIAL:

- Revised ___ 4HCCS-BU-08065 The Incredible Pig (S) ☼
- Revised ___ 4HCCS-BU-08066 Putting the Oink in Pig (S) ☼
- Revised ___ 4HCCS-BU-08067 Going Whole Hog (S) ☼

LEADER MATERIAL:

- Revised ___ 4HCCS-BU-08068 Swine Helper's Guide (S) ☼
- ___ 4HCCS-BU-06350 Exploring Farm Animals (S) ☼

OTHER RESOURCES:

- ___ 4H-BU-07184 Livestock Judging Technique (I) 🏠
- ___ 4HCCS-BU-07201 Pig Pattern (S) ☼
- ___ 4H-FO-00158 Fitting and Showing Swine (C) 🏠
- ___ 4H-MI-00159 4-H Swine Chart (C) 🏠
- ___ 4H-MI-00160 Minnesota 4-H Swine Parts Crossword Puzzle (A) 🏠

Minnesota Farmer's Care—An Overview of Minnesota's Animal Agriculture Industry. Order 36-page publication directly from Minnesota Farmer for Animal Agriculture, 2469 University Ave., St. Paul, MN 55114. (<98)

AUDIOVISUAL MATERIALS:

- ___ 4HCCS-CD-07732 Lessons and More CD. See full description on page 9. ☼

REFERENCE MATERIALS:

4-H Swine Resource Handbook. Reference guides for breeding or market projects: animal selection, management, products, nutrition, showing and selling, careers. Ohio State University Media Distribution, 385 Kottman Hall, 2021 Coffey Road, Columbus, OH 43210-1044, phone 614-292-1607. (01)

VETERINARY SCIENCE 16500

MEMBER MATERIAL:

- New! ___ 4HCCS-BU-08048 From Airedales to Zebras ☼
- New! ___ 4HCCS-BU-08049 All Systems Go ☼
- New! ___ 4HCCS-BU-08050 On the Cutting Edge ☼

LEADER MATERIAL:

- New! ___ 4H CCS-BU-08051 Veterinary Science Helper's Guide ☼

OTHER RESOURCES:

- ___ ES-MR-07220 Animals by Design: A Primer on the Tools of Modern Biotechnology 🏠🏠, 🏠

...get yours today!



Print from University of Minnesota Extension Service
www.extension.umn.edu/units/dc



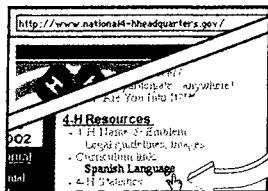
Order from National 4-H Cooperative Curriculum System www.n4hccs.org



Print from Center for 4H Youth Development
www.mn4H.org



Order from University of Minnesota Extension Service
www.extension.umn.edu/units/dc



4-H habla Español

Click on the **Spanish Language** link under **4-H Resources** on the National 4-H Headquarters home page:
www.national4-hheadquarters.gov/

EXPRESSIVE AND COMMUNICATION ARTS

Clowning

Crafts & Fine Arts

Through participation in Expressive Arts Adventures, the 4-H Arts-In, public speaking and communication arts contests, and creative arts projects, 4-H members gain important life skills, including:

- developing poise and self-confidence in communicating ideas to the public
- learning principles of good communication through creative expression
- gaining better understanding of a defined subject through research and interpretation
- working with groups and gaining leadership skills

Project activities encourage exploring expressive arts opportunities beyond the club level.

Share the Fun is a county-wide performance opportunity offered to 4-H clubs each spring. One club is chosen to represent each county at the State Fair.

County Arts-In participants develop a performance for county presentations and their county fair and may apply to perform at the State Fair.

Performing Arts

Photography

Video

The State 4-H Arts-In, grades 10-12, includes activities in performing, costuming, technical, instrumental music, graphic arts, and visual communication. Training is held in early August. Participants also are involved in responsibilities at the State Fair following the event.


Communication arts contests are held at regional and state levels. Your regional contact has registration and program information on these activities, which include public speaking, creative writing, interpretive reading, and photo stories. Visual communications encompasses photography and video. These projects allow participants to learn the technical and creative aspects of photography and video through self-study, group interaction, and hands-on experience.


In addition, 4-H crafts & fine arts projects help participants learn about art materials and explore new ways to express themselves. Activities include a variety of media: drawing, painting, modeling, carving, designing, printing, lettering, construction, puppet-making, and learning about others' art works.


CLOWNING

21000


MEMBER MATERIAL:

Clown PLUS Sheets, an introduction to clowning. Contact your local Extension Office for a copy. 

Share the Fun PLUS Sheets, an introduction to the Share the Fun Project and a list of available resources. Contact your local Extension Office for a copy. 

___ 4H-MI-02013 Share the Fun (4-H Expressive Arts Leader's Guide Series) (C) 


LEADER MATERIAL:


___ 4H-MI-02013 Share the Fun (4-H Expressive Arts Leader's Guide Series) (C) 


CRAFTS & FINE ARTS

22000


MEMBER MATERIAL:

Crafts & Fine Arts PLUS Sheets, an introduction to the Crafts & Fine Arts Project and a list of available resources. Contact your local Extension Office for a copy. 


___ 4H-MI-06908 Folk Arts (44-page leader guide and 15 reproducible sheets for members) (S) 






___ 4HCCS-BU-07597 A Palette of Fun With Arts & Crafts 

LEADER MATERIAL:



___ 4H-MI-02988 4-H Arts Leader's Guide—Arts Alive (F) 

PERFORMING ARTS**22500****MEMBER MATERIAL:**

Share the Fun PLUS Sheets, an introduction to the Share the Fun Project and a list of available resources. Contact your local Extension Office for a copy. 

- ___ 4H-MI-02013 Share the Fun (4-H Expressive Arts Leader's Guide Series) (C) 
- ___ 4H-BU-06870 Journey into the Imagination (S) 
- ___ 4H-BU-06871 Soaring into Action (S) 
- ___ 4H-BU-06872 Quest for Expression (S) 
- ___ 4H-BU-06873 Voyaging Beyond (S) 

LEADER MATERIAL:





- ___ 4H-BU-02013 Share the Fun (4-H Expressive Arts Leader's Guide Series) (C) 
- ___ 4H-BU-06874 Guiding the Journey Helper's Guide (S) 

OTHER RESOURCES:





Reaching Out for Teen Awareness. 1995. 90 pages with video. Available from University of Maine. Contact Melanie Spencer by e-mail at: mspencer@umce.umext.maine.edu. \$10/set. (<98)



Communications Toolkit. This 4-H Youth Development Book aids parents, teachers, employers, and others with fun, easy, meaningful activities for ages 12 and up. Kids learn news and creative writing, public speaking, graphic design, video, media and technology. Kit provides leaders' materials, hands-on activities, handouts. Information: 4-H Youth Development, Michigan State University Extension, 160 Agriculture Hall, East Lansing, MI 48824-1039. (00)

PHOTOGRAPHY**23000****MEMBER MATERIAL:**

- ___ 4H-BU-07445 Adventures With Your Camera A (ages 8-10) (S) 
- ___ 4H-BU-07446 Adventures With Your Camera B (ages 11-14) (S) 
- ___ 4H-MI-00175 Darkroom Techniques (S) 
- ___ 4H-MI-01971 How to Produce a Slide Show (S) 

Advanced Photography Skills



- ___ 4H-MI-02960 Investigating Portraiture (S) 
- ___ 4H-MI-02961 Fitting a Darkroom Into Your Life (S) 
- ___ 4H-MI-02962 Making the Most of Your Photo Skills in Your Future Career ... and Other Advanced Career Explorations (S) 
- ___ 4H-MI-02963 Solving the Mystery of Publicity Photos (S) 

- ___ 4H-MI-02964 Experimenting With Your Enlarger (S) 
- ___ 4H-FO-06061 Color Printing Techniques (S) 

LEADER MATERIAL:

- ___ 4H-MI-00176 4-H Photography, Unit 1, Leader's Guide (E)

VIDEO**24000****MEMBER MATERIAL:**

- ___ 4H-BU-06058 Making Videos, Telling a Story, 4-H Video Member's Manual, Unit 2 (F) 
- ___ 4H-FO-06059 Making Videos, Expanding Your Horizons, 4-H Video Member's Manual, Unit 3 (C) 

Video Production Team

This is for members working regularly throughout the project year with a multi-camera production team (cable, school, etc.). Encourage them to request and use the materials listed above. Also, encourage them to learn more about the equipment they are using.

...get yours today!

Print from University of Minnesota Extension Service
www.extension.umn.edu/units/dc



Order from National 4-H Cooperative Curriculum System www.n4hccs.org



Print from Center for 4H Youth Development
www.mn4H.org



Order from University of Minnesota Extension Service
www.extension.umn.edu/units/dc

FAMILY CONSUMER SCIENCE

Child and Family Development

Food and Nutrition

Needle Arts

Clothing and Textiles

Home Environment


4-H Family Consumer Science projects offer a wide diversity of activities to help participants develop life skills such as:


- learning to enhance their lives and the quality of living for their families
- increasing knowledge of good nutrition, health practices, and child development


CHILD AND FAMILY DEVELOPMENT


31000

MEMBER MATERIAL:

Child Development PLUS Sheets, an introduction to the Child Development Project and a list of available resources. Contact your local Extension Office for a copy. 

Revised ___ 4HCCS-BU-08075 Growing On My Own (S) 


Revised ___ 4HCCS-BU-08076 Growing With Others (S) 

Revised ___ 4HCCS-BU-08077 Growing In Communities (S) 


Babysitting Beginnings: Member's Guide with planners and worksheets to help kids understand and have fun with children. Order from Pennsylvania State University College of Agricultural Sciences, Cooperative Extension, 323 Ag Administrative Building, University Park, PA 16802, phone 814-863-7444, fax 814-863-4753, e-mail jscholl@psu.edu. (01)

LEADER MATERIAL:


Babysitting Beginnings: Leader's Guide for teaching youth, grades 6-12, babysitting skills. Order from Pennsylvania State University College of Agricultural Sciences, Cooperative Extension, 323 Ag Administrative Building, University Park, PA 16802, phone 814-863-7444, fax 814-863-4753, e-mail jscholl@psu.edu. (01)

Revised ___ 4HCCS-BU-08078 Kids on the Grow: Helpers Guide 



Play:

___ HE-FS-01048 The Importance of Play (A) 


Heroes:

___ HE-FS-01061 Children and Their Heroes (A) 

Eating:

___ HE-FS-01052 Mealtime—Happy or Hectic? (A)  


AUDIOVISUAL MATERIALS:


___ 4HCCS-CD-07732 Lessons and More CD. See full description on page 9. 


- developing creative ways to express their individual interests
 - learning economic concepts and management techniques
- Project activities can cover subjects such as child and family development, clothing and textiles, consumer education, food and nutrition, food preservation, home environment, and needle arts.


OTHER LEADER RESOURCES:


Positive Parenting. Each curriculum includes lesson guides, video, background material, handouts, learning aids, references and resources in a three-ring binder. Titles include:

___ HE-EP-06545 Positive Parenting I: toddlers-12 yrs. Physical punishment, limits, consequences, listening, anger and challenging behaviors. \$130 

___ HE-EP-06960 Positive Parenting II: toddlers-12 yrs. Parenting tools, attention, respect, responsibility, monitoring, siblings. \$150 

___ HE-EP-06961 Positive Parenting I & II. \$250 

___ HE-EP-07309 Positive Parenting of Teens: 10-16 yrs. Parenting teens today, perception, development, communication, conflict, discipline, teen decision making, friends/peers, hot topics. \$275 

___ HE-EP-07465 Positive Parenting I, II & Teens. \$445 


CLOTHING AND TEXTILES


32000


MEMBER MATERIAL:

4HCCS has revised these materials for 2004:

Sewing Expressions:


Revised ___ 4HCCS-BU-08060 Under Construction 

Revised ___ 4HCCS-BU-08061 Fashion Forward 

Revised ___ 4HCCS-BU-08062 Refine Design 

___ 4HCCS-MI-07198 Let's Sew (by Nancy Zieman) (S)


LEADER MATERIAL:


Revised ___ 4HCCS-BU-08063 Sewing Expressions Helper's Guide 




OTHER RESOURCES:

(The following 16 titles from Penn State University will be discontinued when present supplies run out.)

Beginning

___ 4H-FO-06909 Sew Much Fun (S) 

___ 4H-FO-06910 Sew Much More (S) 

- ___ 4H-FO-06911 Stitch by Stitch (S) 
- ___ 4H-FO-06912 Design (S) 
- ___ 4H-FO-06913 Closet Connections (S) 

Intermediate and Advanced

- ___ 4H-FO-06916 Knits (S) 
- ___ 4H-FO-06917 Coordinates (S) 
- ___ 4H-FO-06918 Accessories (S) 
- ___ 4H-FO-06919 Time Saving Sewing (S) 
- ___ 4H-FO-06920 Sewing for Other Projects and People (S) 
- ___ 4H-FO-06921 Create Your Own Project (S) 
- ___ 4H-FO-06922 Tailoring (S) 
- ___ 4H-FO-06923 Formalwear (S) 
- ___ 4H-FO-06924 Textile Science Leaders Guide (S) 

The Fabric/Flight Connection. A 1997 three-ring manual of 207 pages that teaches principles of fiber science through the story of aviation. Consists of an activity notebook and video tape. Manual 329LM1, \$30.00; Video 329VFFC, \$21.95; Order from Cornell University Media Services Resource Center, 8BTP, Ithaca, N.Y. 14850. (99)

Attention Shoppers! 36 pages. Contains multiple activities to help young shoppers make wise clothing purchase decisions. Order from University of Nebraska, CIT Distribution, Room 105 ACB, Lincoln, NE 68583-0918, phone 402-472-9713. (98)


Other clothing materials may be available on request from the Department of Design, Housing, and Apparel, University of Minnesota Extension Service, 364 McNeal Hall, St. Paul, MN 55108, phone 612-624-7726. (<98)







Fun With Clothes. Order item SPCL20 from IFAS Publications, University of Florida, P.O. Box 110011, Gainesville, FL 32611-0011. \$10. (<98)

FOOD AND NUTRITION



34000

MEMBER MATERIAL:

Foods PLUS Sheets, an introduction to the Foods Project and a list of available resources. Contact your local Extension Office for a copy. 

- ___ 4HCCS-BU-07144 Six Easy Bites (S) 
- ___ 4HCCS-BU-07146 Tasty Tidbits (S) 
- ___ 4HCCS-BU-07148 You're the Chef (S) 
- ___ 4HCCS-BU-07150 Foodworks (S) 
- ___ 4H-FO-06929 4-H Foods Presentations (C) 
- ___ 4H-BU-06930 Sports Nutrition Member Guide (F) 



LEADER MATERIAL:


- ___ 4HCCS-BU-07730 Foods Helper's Guide (S) 
- ___ 4H-BU-06931 Sports Nutrition Leader Guide (I) 













AUDIOVISUAL MATERIALS:

- ___ 4HCCS-CD-07732 Lessons and More CD. See full description on page 9.

OTHER RESOURCES:

- ___ HE-FO-00555 Freezing Fruits and Vegetables (C) 
- ___ HE-FO-00686 Making Jelly (B) 
- ___ HE-FO-00516 Safe Home Canning of Fruits, Vegetables

and Meats (F) 

- ___ HE-FO-03470 Tomato Products (B) 
- ___ HE-FO-03471 Pickled Products (C) 
- ___ HE-FS-01088 Making Jams, Marmalades, Preserves, and Conserves (A) 
- ___ HE-FS-01089 Using Minnesota's Wild Fruits (A) 
- ___ HE-FO-01097 Home Canning Tomatoes (B) 
- ___ HE-FS-01087 Preserving Fish (A) 
- ___ HE-FO-00820 Drying Foods at Home (C) 
- ___ HE-FO-01090 Making Fresh Pack Pickles (C) 
- ___ HE-FO-01091 Making Fermented Pickles and Sauerkraut (C) 
- ___ 4H-MI-05611 Keep Calcium Up and Cholesterol Down (B) 
- ___ 4H-MI-05610 Dairy Calcium for Women of All Ages (B) 
- ___ 4H-MI-02710 4-H Certificate of Participation (4-H Foods and Nutrition Projects) (A) 

OTHER RESOURCES:

Kitchen Science: Activities combining food science, nutrition, food safety and consumerism. Experimental and hands on activities. Developed for youth ages 11 - 13. Includes 15 lessons with multiple activities, lesson plans, background information and worksheets. To order: Kitchen Science Curriculum (KS-1) contact Maryland Cooperative Extension, Production and Distribution, 301-403-4263. Cost is \$15.00 + 4.00 shipping.

S'mores and More: 4H Outdoor Cooking and Living Basic Skills Guide. While you may be "old hands" at cooking in the kitchen, cooking outdoors will present new challenges: uneven heat sources, basic cooking equipment, limited cooking & cleaning facilities, etc. Cooking outdoors is the opposite of the fast food we've become used to in today's fast-paced society. Contact: Oregon State University Extension and Experiment Station 800-561-6719

New! Jump Into Foods & Fitness: Hands-on curriculum designed to help adults or older youth work with young people 8 - 11 yrs old. Topics of increased physical activity, nutrition and food safety in non-formal settings. Order item 4-H 1602 from MSU Bulletin Office, 117 Central Services, East Lansing, MI 48824 or <http://web2.msue.msu.edu/bulletins/mainsearch.cfm>

Get a Jump on Germs: Making Food Safer. A 1989 University of California at Davis and Washington State University 4-H publication "Every Youth a Scientist, Learn by Doing Science Series" for grades 3-5. 128 pages. (99)

Cooking for Groups; A volunteer's Guide to Food Safety. Walk through the steps necessary to safely plan and serve food for a large event: family reunion, community gathering, camp, etc. Available on-line at www.fsis.usda.gov or by contacting: Federal Consumer Information Center, Item #604 H, Pueblo CO 81009. Available in English and Spanish.

Getting into a Food Mood - Communicating Food Issues. Grades 3-10. 1996. Designed to teach youth and young adults about food production and how an adequate food supply can be assured for future generations. 82 pages. Order item WFP030 from National 4-H Supply, phone 301-961-2934. \$4. (98)

In the Bag! Families Sharing Science Together. 1995. Order item 3991+B from Media Services Resources Center, 7 Cornell B & T Park, Ithaca, NY 14850, phone 607-255-2080. \$6.75. (<98)

Kitchen Science for Kids. 1995. 40 pages. Order item 399KS from Media Services Resources Center, 7 Cornell B & T Park, Ithaca, NY 14850, phone 607-255-2080. \$4.75. (<98)

Available in Local Extension Offices (<98):

- Complete Guide to Home Canning, by USDA
- Preserving Food Safely (Consultant Notebook)

Breads

Free publications and films for loan on wheat nutrition, products, and use. Call for information. (<98)

- FLEISCHMANN'S YEAST
Specialty Brands, Inc., P.O. Box 7004, Public Relations Department, San Francisco, CA 94120-7004, phone 1-800-777-4959. Call for current information. (<98)
- MINNESOTA WHEAT RESEARCH AND PROMOTION COUNCIL
2600 Wheat Drive, Red Lake Falls, MN 56750, phone 1-800-242-6118 or 218-253-4311.

Rising to the Occasion: A 4-H Leader's Guide. 1997. Designed to help teach children and youth how to make bread and prepare for careers in the food industry. 76 pages. Order item WFP031 from National 4-H Supply, phone 301-961-2934. (98)

Dairy Foods

Dairy, Food and Nutrition Council of Minnesota, 2015 N. Rice St., Suite 200, St. Paul, MN 55113, has teaching aids on nutrition. Write for a catalog and special listing of materials for Extension. (<98)

Meats

An abundance of University and industry material may be adapted to the learning situation.

PUBLICATIONS:

- ___ AG-FO-00494 Consumer Questions About Meat (C)
- ___ AG-MI-00598 Cost Estimate of Beef by the Side (A)
- ___ AG-FO-00676 Determining USDA Beef Carcass Grades (B)
- ___ AG-FS-00973 Consumer Tips for Buying and Serving Ham (A)

In addition, many audiovisual materials on the subject of food safety are available for checkout from your County Extension Office. For a complete list, contact your nearest office. (<98)

HOME ENVIRONMENT 35000

MEMBER MATERIAL:

Home Environment PLUS Sheets, an introduction to the Home Environment Project and a list of available resources. Contact your local Extension Office for a copy.

- ___ 4H-BU-00235 Home Environment, Unit I, Exploring Your Home (E)
- ___ 4H-BU-00237 Home Environment, Unit II, Where I Live (F)
- ___ 4H-FS-03530 Home Environment Unit III, Member's Guide (A)

LEADER MATERIAL:

- ___ 4H-BU-00235 Home Environment Unit I, Exploring Your Home (E)
- ___ 4H-BU-00237 Home Environment Unit II, Where I Live (F)
- ___ 4H-FO-00243 How to Finish Fabric and Stitchery for Wall Hangings (C)

OTHER RESOURCES:

Design Decisions. This simple overview of home design can be used by adults working with youth. Readers learn principles of design for walls, windows, and floors; planning, selection and care of furniture, wall coverings, fabrics, decorative items; how accessories add interest and personality to a room. The manual gives tips on safety and environmental concerns, even using decorating skills to make money. Available from University of Nebraska, 114 Ag Hall, Lincoln, NE 68583-0700, phone (402) 472-9013. (00)

- ___ AG-PC-06583 Septic System Owner's Guide (97) (S)
- ___ NR-FO-01068 Ice Dams (97) (S)
- ___ HE-FO-06606 Carbon Monoxide – Your Safe Home (Hmong/English)

AUDIOVISUAL MATERIALS:

- ___ AG-VH-06768 Septic Systems Revealed (96)

NEEDLE ARTS 36000

MEMBER MATERIAL:

Needle Arts PLUS Sheets, an introduction to the Needle Arts Project and a list of available resources. Contact your local Extension Office for a copy.

Knitting

- ___ 4H-FO-00247 ABC of Knitting—Right-Hand Version (D)
- ___ 4H-FO-00248 ABC of Knitting—Left-Hand Version (D)

Crocheting

- ___ 4H-FO-00250 ABC of Crocheting—Right-Hand Version (D)
- ___ 4H-FO-00251 ABC of Crocheting—Left-Hand Version (D)

Needlework

- ___ 4H-FO-06442 ABC of Embroidery (D)
- ___ 4H-FO-06443 ABC of Counted Cross Stitch (D)

LEADER MATERIAL:

Knit Together: A Guide for Members and Leaders. Objectives and activities for three levels of knitting; games, knitting term puzzles, project instructions. Order from CIT Distribution, Warehouse #2, UNL-East Campus, Lincoln, NE 68583-0927, phone 402-472-9713, fax

- ___ 402-472-0542, e-mail gnickels1@unl.edu 4H-416 (01)
- ___ 4H-FO-00253 Crocheting Leader's Guide (C)

...get yours today!



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www.extension.umn.edu/units/dc



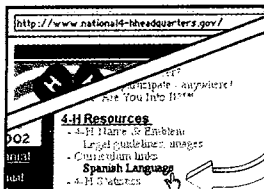
Order from National 4-H Cooperative Curriculum System www.n4hccs.org



Print from Center for 4H Youth Development
www.mn4H.org



Order from University of Minnesota Extension Service
www.extension.umn.edu/units/dc



4-H habla Español

Click on the **Spanish Language** link under **4-H Resources** on the National 4-H Headquarters home page:
www.national4-hheadquarters.gov/

MECHANICAL SCIENCES

Aerospace
Bicycle

Computer
Electric

Shop (wood and/
or metal)

Small Engines
Tractor

Through a variety of hands-on activities, 4-H participants learn life skills such as:

- learning to do things the right way; not taking dangerous short cuts
- involving everyone: rural, urban, suburban, young, old, disabled, family members
- exploring career options

Many Mechanical Sciences projects relate to today's concern for efficiency and new technology. Projects include aerospace, computers, electricity, shop (wood and/or metal), small engines, and tractor operations.

AEROSPACE

41000

MEMBER MATERIAL:

- ___ 4HCCS-BU-06842 Pre-Flight (S) ☼
- ___ 4HCCS-BU-06843 Lift-Off (S) ☼
- ___ 4HCCS-BU-06844 Reaching New Heights (S) ☼
- ___ 4HCCS-BU-06845 Pilot in Command (S) ☼
- ___ 4HCCS-BU-07605 Aerospace CD ROM ☼

LEADER MATERIAL:

- ___ 4HCCS-BU-06846 Flight Crew - Group Activity Guide (S) ☼

OTHER RESOURCES:

The Fabric/Flight Connection. A 1997 three-ring manual of 207 pages that teaches principles of fiber science through the story of aviation. Consists of an activity notebook and video tape. Manual 329LM1, \$30.00; Video 329VFFC, \$21.95; Order from Cornell University Media Services Resource Center, 8BTP, Ithaca, N.Y. 14850. (99)

Leader's Kit #1454 - Contains Alpha model rocket, catalog, list of educational publications, leader's guides on how to teach rocketry, and discount order forms. Estes Industries, Penrose, CO 81420. No charge. (<98)

AUDIOVISUAL MATERIALS:

- ___ 4HCCS-CD-07732 Lessons and More CD. See full description on page 9. ☼

BICYCLE

42000

MEMBER MATERIAL:

Bicycle Adventures: Grades K-8 map and navigate their own route to cycling independence—from first ride to first tire patch to organizing a group ride or event. "Bicycle Adventures" contains three Youth Activity Guides and a Helper's Guide. Youth may also want their own copies of the video, "Don't Get Stuck: Fix It," with color-coded preventive maintenance and repair tips. (00) Five titles:

- ___ 4H-FO-02630 Bicycle, Minnesota 4-H Bicycle Member Advancement Program (C) ☼
- ___ 4HCCS BU-07503 Bicycle 1 (S) ☼
- ___ 4HCCS BU-07504 Bicycle 2 (S) ☼
- ___ 4HCCS BU-07505 Bicycle 3 (S) ☼
- ___ 4HCCS BU-07506 Group Activity Helper's Guide (S) ☼
- ___ 4HCCS BU-07507 Don't Get Stuck: Fix It Video ☼

AUDIOVISUAL MATERIAL:

- ___ 4HCCS-CD-07732 Lessons and More CD. See full description on page 9. ☼

COMPUTER

43000

MEMBER MATERIAL:




Computer PLUS Sheets, an introduction to the Computer Project and a list of available resources. Contact your local Extension Office for a copy. ☼

COMPUTER MYSTERIES

A multi-media curriculum with CD and web-based activities helps children and teens interact with computers, use varied software, add hardware, and use the Internet. They design professional-looking printed materials, animated presentations, interactive websites. Level 1 includes CD-ROM and guide. Levels 2 and 3, done on the Internet, include manual and a password allowing access to the curriculum's website, which has a section for parents and adult helpers. Helper's Guide gives background information, Internet safety tips, hints for one-on-one and group work. (00) The four titles are:


- ___ 4HCCS BU-07509 Level 1—Booting Up: Interacting with Computers + CD-Rom (S) ☼
- ___ 4HCCS BU-07510 Level 2—Adding On: Hardware and Software Magic + WWW Password (S) ☼
- ___ 4HCCS BU-07511 Level 3—Reaching Beyond: The Advanced User + WWW Password (S) ☼
- ___ 4HCCS BU-07512 Helper's Guide (S) ☼

OTHER RESOURCES:

___ AD-FS-06832 How Do I Get on the Internet? (A)   

Master Internet Volunteer Program,
<http://www3.extension.umn.edu/miv/> (99)


AUDIOVISUAL MATERIALS:


___ 4HCCS-CD-07732 Lessons and More CD. See full description on page 9. 


ELECTRIC


44000


MEMBER MATERIAL:

Electric PLUS Sheets, an introduction to the Electric Project and a list of available resources. Contact your local Extension Office for a copy. 


___ 4HCCS-BU-06848 Magic of Electricity (S) 

___ 4HCCS-BU-06849 Investigating Electricity (S) 

___ 4HCCS-BU-06850 Wired for Power (S) 

___ 4HCCS-BU-06851 Entering Electronics (S) 

LEADER MATERIAL:

___ 4HCCS-BU-06852 Group Activity Guide (S) 


OTHER RESOURCES:

Edison Electric Institute, 750 3rd Ave., New York, NY 10017. Write and request electric project materials for youth group workshop activities. (<98)

Thomas Alva Edison Foundation, 2000 2nd Ave., Detroit, MI 48826. Low-cost pamphlets are available on request on the following topics:

- Edison Experiment
- Edison Invention and Related Projects
- Edison Experiments You Can Do From the Diary of Michael Faraday
- How to Build Five Useful Devices
- Electrical and Chemical Experiments from Edison (<98)


AUDIOVISUAL MATERIALS:


___ 4HCCS-CD-07732 Lessons and More CD. See full description on page 9. 


SHOP (wood and/or metal)


45000


MEMBER MATERIAL:

Shop PLUS Sheets, an introduction to the Shop Project and a list of available resources. Contact your local Extension Office for a copy. 


___ 4HCCS-BU-06875 Measuring Up (S) 


___ 4HCCS-BU-06876 Making the Cut (S) 

___ 4HCCS-BU-06877 Nailing it Together (S) 

___ 4HCCS-BU-06878 Finishing Up (S) 


LEADER MATERIAL:

___ 4HCCS-BU-06879 Group Activity Guide (S) 

___ 4H-MI-03450 4-H Common Ground Program, Woodworking, Leader's Guide (S) 

OTHER RESOURCES:

Arcs & Sparks - Shielded Metal Arc Welding, 4-H manual emphasizes welding equipment selection, safety & learning the basics for mastering the trade. Includes weldments (projects) with complete drawings & instructions. Contact: OSU Extension Media Distribution, 385 Kottman Hall, 2021 Coffey Road, Columbus, OH 43210-1044.

___ 4H-FO-00312 Guide to Birdhouse Building (Member Guide) (C) 


To obtain ordering information and costs on the following items, contact Harlan Petersen, Extension Specialist, Forest Products, 202 Kaufert Lab, University of Minnesota, St. Paul, MN 55108:

- Woodworker's Reference Guide & Sourcebook—John Feirer
- Make It Yourself Simple Wooden Toys—Fred Haslam
- Understanding Wood, A Craftsman Guide to Wood
- Technology—R. Bruce-Hoadley (Taunton Press)
- Woodworking With Kids—Richard Starr (Taunton Press)
- Tage Frid Teaches Woodworking Book I: Joinery: Tools & Techniques (Taunton Press)
- Tage Frid Teaches Woodworking Book II: Shaping, Veneering, Finishing (Taunton Press)

To obtain copies of the following, contact Minnesota's Bookstore, 117 University Ave., St. Paul, MN 55155:

- Woodworking for Wildlife, Carrol L. Henderson. (<98)

AUDIOVISUAL MATERIALS:

___ 4HCCS-CD-07732 Lessons and More CD. See full description on page 9. 

...get yours today!



Print from University of Minnesota Extension Service
www.extension.umn.edu/units/dc



Order from National 4-H Cooperative Curriculum System www.n4hccs.org



Print from Center for 4H Youth Development
www.mn4H.org



Order from University of Minnesota Extension Service
www.extension.umn.edu/units/dc

SMALL ENGINES**46000****MEMBER MATERIAL:**

Lawn Tractor PLUS Sheets, an introduction to the Lawn Tractor Project and a list of available resources. Contact your local Extension Office for a copy. 📄📄

Small Engines PLUS Sheets, an introduction to the Small Engines Project and a list of available resources. Contact your local Extension Office for a copy. 📄📄

___ 4HCCS-BU-07324 Level 1 - Crank It Up

(youth activity guide) (S) 📄

___ 4HCCS-BU-07325 Level 2 - Warm It Up

(youth activity guide) (S) 📄

___ 4HCCS-BU-07326 Level 3 - Tune It Up

(youth activity guide) (S) 📄

___ 4HCCS-BU-07327 Helper's Guide (S) 📄

OTHER RESOURCES:

Order any of the following from the University of Tennessee, P.O. Box 1071, Knoxville, TN 37901, phone 615-974-7141. (98)

- Principles of Operation of Four-Cycle Engines. Grade 5. PB 1330.
- Principles of Operation of Two-Cycle Engines. Grade 6. PB 1331.
- Lawn and Garden Power Equipment. Grade 7. PB 1407.
- Troubleshooting Small Engines. Grade 8. PB 1419.
- Maintaining and Repairing Magneto and Solid-State Ignition Systems. Grade 9. PB 1473.
- Compression and Lubrication. Grade 10. PB 1490.
- Air Cleaners and Carburetors. Grade 11. PB 1549.
- Troubleshooting and Recycling. Grade 12. PB 1588.

How to Organize a Small Engine Contest in Your County. Provided to volunteers on request from county Extension educators.

AUDIOVISUAL MATERIALS:

___ 4HCCS-CD-07732 Lessons and More CD. See full description on page 9. 📄

TRACTOR**47000**

(See also Health and Safety)

MEMBER MATERIAL:

Lawn Tractor PLUS Sheets, an introduction to the Lawn Tractor Project and a list of available resources. Contact your local Extension Office for a copy. 📄📄

___ 4H-BU-00307 Safe Operation of Agricultural Equipment (Student's Manual) (1/career) (S) 📄

LEADER MATERIAL:

___ 4H-BU-00308 Safe Operation of Agricultural Equipment (Instructor's Manual) (1/year) (F) 📄

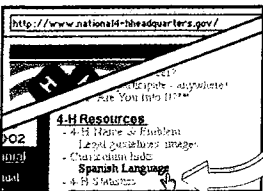
OTHER RESOURCES:

___ 4H-MI-03440 4-H and FFA Safe Tractor Driving Contest (how to set up a contest) (E) 📄

Teaching Agricultural Safety to Kids. 1995. Complete set (650 pages, 19 units) with storage case is \$225. Individual units are \$14.20 each and average 34 pages. Order from Elizabeth Burns, Illinois Easter Seal Society, 2715 South 4th St., Springfield, IL 62703, phone 1-800-323-8275. (<98)

AUDIOVISUAL MATERIALS:

Tractor Operation: Gearing Up for Safety (CD). This interactive educational aid teaches key topics and issues of tractor safety in five areas: rollovers and ROPS, extra riders, hitching and unhitching, worker/machine environment, and hand signals. Activities, video, graphics, 3-D animation and sound teach middle and high school students and other audiences. Indiana Rural Safety and Health Council, 1146 ABE Building, West Lafayette, IN 47907-1146, phone 765-494-5013. (00)



4-H habla Español

Click on the **Spanish Language** link under **4-H Resources** on the National 4-H Headquarters home page:
www.national4-hheadquarters.gov/

NATURAL RESOURCES

Entomology

Exploring the Environment

Fishing Sports

Forest Resources

Geology

Shooting Sports / Wildlife

Management

Water / Wetlands

Wildlife / Biology

Natural Resources projects help young people learn the following life skills:

- learning about the environment and how to be responsible for it
- making decisions about natural resources to derive the greatest long-range benefit for everyone
- learning to appreciate woodlands as a unique ecology, as well as a source of raw materials and enjoyment
- demonstrating sound fish and wildlife conservation and enhancement

ENTOMOLOGY

51000

MEMBER MATERIAL:

- ___ 4HCCS-BU-06853 Creeping Crawlies (S) ☼
- ___ 4HCCS-BU-06854 What's Bugging You? (S) ☼
- ___ 4HCCS-BU-06855 Dragons, Houses and Other Flies (S) ☼
- ___ 4H-FO-06892 Collecting and Preserving Insects (B) 📖📖📖

LEADER MATERIAL:

- ___ 4HCCS-BU-06856 Entomology Group Activity Guide (S)☼

OTHER RESOURCES:

- ___ AG-PC-07553 Beekeeping in Northern Climates & Honeybee Diseases (00) 📖
- ___ AG-PC-07554 Honey Bee Diseases & Pests: Companion to Beekeeping in Northern Climates (00) 📖
- ___ AG-BU-06711 Butterfly Gardening (96) (S) 📖📖📖
- ___ AG-FO-01015 Carpenter Ants (97) (B) 📖📖📖

A series of additional fact sheets is available on a variety of entomology topics. See Distribution Center catalog.

The following items are available at Books Underground, University of Minnesota Bookstore, St. Paul Campus, or at other selected bookstores:

- Insects—A Golden Guide
- Identifying Insects—Peterson Series (<98)

AUDIOVISUAL MATERIALS:

- ___ 4HCCS-CD-07732 Lessons and More CD. See full description on page 9. ☼
- ___ AG-SS-06712 Cues for Butterfly Gardening (97) 📖

Can you identify Minnesota's waterfowl? How about Minnesota's trees? Natural Resources project activities can include shooting, fishing, studying water quality, learning wildlife management, and much more.

More than 5,000 potential activities await members in the Natural Resources project areas. From wetland rehabilitation to geology to stewardship of our forests, there is an activity for everyone's interest.

EXPLORING THE ENVIRONMENT 52000

MEMBER MATERIAL:

- ___ 4H-BU-00310 Exploring the Environment (conservation member's manual) (E) 📖

Exploring Your Environment. Youth will enjoy the challenge and excitement of exploring the ecology, science and technology of the environment.

- ___ 4HCCS-BU-07704 Echo-Wonders. ☼
- ___ 4HCCS-BU-07705 Echo-Adventures. ☼
- ___ 4HCCS-BU-07706 Echo-Actions. ☼

LEADER MATERIAL:

- ___ 4HCCS-BU-07707 Echo-Wonders Helper's Guide (S) ☼
- ___ 4H-BU-06064 Working on Waste Leader's Guide (S) 📖📖📖

OTHER RESOURCES:

- ___ 4H-AG-07448 Native Vegetation Poster 📖📖📖
- ___ AG-FO-06986 Landscaping Septic Systems 📖📖📖
- ___ AG-FS-05553 Structures for Backyard Composting 📖📖📖
- ___ AG-FO-06748 Establishing and Maintaining a Prairie Garden (97) (C) 📖📖📖
- ___ 4H-FO-00312 Guide to Birdhouse Building (member's manual) (C) 📖📖📖
- ___ AG-FS-03899 Backyard Composting 📖

Mud, Muck and Other Wonderful Things: An Environmental Curriculum for Five- to Eight-Year Olds. 1995. 84 pages. Order item ES003 from National 4-H Supply Service, 7100 Connecticut Ave., Chevy Chase, MD 20815, phone 301-961-2934. (98)

Energizing Your Future with Energy, Economics, and the Environment. 116 pages. Order from National 4-H Supply Service, 7100 Connecticut Ave., Chevy Chase, MD 20815, phone 301-961-2934. (98)

Teen News Network: Groundwater Update. 1993. Video and viewer's guide. Order item 4-H 0253VT from Michigan State University Bulletin Office, 10-B Ag. Hall, E. Lansing, MI 48824-1039. \$50. (<98)

The Waste Stream. 1992. Teacher guide is 4H369, 79 pages, \$7.50. Student tabloids are 4H358, five 4-page tabloids, \$3.50. Order from University of Nebraska, CIT Distribution, Room 105 ACB, Lincoln, NE 68583-0918, phone 402-472-9713. (<98)

Cycling Back to Nature Series (4 items). Order items ES1003, Cycling Back to Nature with Biodegradable Polymers (94, \$5); ES1004, Cycling Back to Nature with Food Production and Pesticides (1995, \$7); ES1008, Soils Alive from Tiny Rocks to Compost (1996, \$7); and ES0046, Biotechnology (1997, \$9) from National 4-H Council, 7100 Connecticut Ave., Chevy Chase, MD 20815-4999, phone 301-961-2800. (<98)

EM*Power, Environmental Management Power. 1995. Curriculum packet includes leader guide, full-color EM*Power poster, and youth journal, all in a plastic EM*Power binder. \$15. (Poster can be purchased alone for \$3.) Order from Idaho Water Resources Research Institute (IWRRI), Morrill Hall 106, University of Idaho, Moscow, ID 83844-3011, phone 208-885-2170. (<98)


Building Common Ground Kit. 1994. \$150 + \$9.50 shipping. Order item ES0011 from National 4-H Council, 7100 Connecticut Ave., Chevy Chase, MD 20815-4999, phone 301-961-2800. (<98) Includes:

- Facilitator Cards
- Training Guide
- Bringing a Group Together: Module I
- Communicating with a Group: Module II
- Negotiating and Creative Problem Solving: Module III
- Planning for Change: Module IV
- Three videos.

The following additional materials are available from MEEB/REEC, Box 5, 500 Lafayette Rd., St. Paul, MN 55155. No charge, but you must attend a one-day workshop to receive Guides:

- Project Wild, Leader's Guide
- Project Learning Tree, Leader's Guide
- Project Aquatics, Leader's Guide (<98)

AUDIOVISUAL MATERIALS:


___ AG-VH-07229 Minnesota Gardening: Home Composting 






NOTE: Refer to sections on entomology, forestry, geology, wildlife, and plant and soil science for additional publications, slide sets, films, and videos.

FISHING SPORTS







53000

MEMBER MATERIAL:

Fishing PLUS Sheets, an introduction to the Fishing Project and a list of available resources. Contact your local Extension Office for a copy. 

- ___ 4HCCS-BU-07598 Take the Bait 
- ___ 4HCCS-BU-07599 Reel in the Fun 
- ___ 4HCCS-BU-07600 Cast Into the Future 
- ___ 4H-BU-06200 Fishing ... Get in the Habitat! (S) 
- ___ 4H-FO-02623 Fishing Sports Advancement Program (1/career) (C) 

LEADER MATERIAL:

- ___ 4HCCS-BU-07601 Sportsfishing Helper's Guide. 
- ___ 4H-BU-02975 4-H Fishing Sports Leader's Guide--Beginner Angler (F) 
- ___ 4H-BU-03314 4-H Fishing Sports Leader's Guide--Intermediate Angler (F) 
- ___ 4H-MI-03560 Minnesota 4-H Fishing Sports (brochure) (B)   

OTHER RESOURCES:

Advanced Sport Fishing and Aquatic Resources Handbook. 135 pages. A 1997 comprehensive resource on fishing, fish biology and habitat, and the water environment. Kendall/Hunt Publishing Company, 4050 Westmark Drive Dubuque, IA 52002. ISBN#0-7872-3544-X. (99)

Fisheries Tour Packet. A 1996 complete resource packet with lesson outlines, classroom resource materials (including color fish pictures) and three reference books included. State of Minnesota, Department of Natural Resources, Section of Fisheries - MinnAqua Program. (99)

Managing Minnesota's Fish. 1989 Minnesota Department of Natural Resources. Description of a variety of fish species and their environments. From DNR, Information Center 651-296-6157. (99)


Numerous aquatic publications are available without fee from the Minnesota Department of Natural Resources. Order forms and catalogs are available from DNR Information Center, phone 1-800-652-9747. (<98)








Fishy Science. 1993. Available from Ohio State University, Extension Media Distribution, 385 Kottman Hall, 2021 Coffey Rd., Columbus, OH 43210-1044, phone 614-292-1607. \$2.50. (<98)

FOREST RESOURCES


54000

MEMBER MATERIAL:

Forestry PLUS Sheets, an introduction to the Forestry Project and a list of available resources. Contact your local Extension Office for a copy. 

- ___ 4H-BU-06201 Treetop, Forest Resources Beginner Guide (S) 
- ___ 4H-BU-03647 Forest Resources Project, Beginner Level, Activity Book (F) 
- ___ NR-BU-06593 A Beginner's Guide to Minnesota Trees (S) 
- ___ 4H-BU-03408 Trees + Me = Forestry, Forest Resources Intermediate Member's Guide (S) 
- ___ 4H-MI-03535 Minnesota 4-H Forest Resources Project 
- ___ 4H-BU-03490 Forests Forever, Forest Resources Advanced Member's Manual (S) 
- ___ NR-BU-00486 Minnesota's Trees (F) 










LEADER MATERIAL:

- ___ 4H-BU-03648 Forest Resources Project, Beginning Level Leader's Guide (F) 


Project Learning Tree (PLT) Guide is free from: MEEB/REEC, Box 5, 500 Lafayette Rd., St. Paul, MN 55155. Must attend one-day training to receive materials. (<98)


Landscaping for Wildlife, by Carrol Henderson. For more information, contact Minnesota's Bookstore, 117 University Ave., St. Paul, MN 55155. (<98)

OTHER RESOURCES:

- ___ AG-FO-07563 Forest Tent Caterpillars in Minnesota   
- ___ NR-FO-06989 Recommended Trees for: Northern Tall-grass Prairie   
- ___ NR-FO-06945 Recommended Trees for: Northwest and Central Minnesota   

GEOLOGY**55000****MEMBER MATERIAL:**

Geology PLUS Sheets, an introduction to the Geology Project and a list of available resources. Contact your local Extension Office for a copy. 

___ 4H-FO-00324 Geology (1/career) (D) 

OTHER RESOURCES:

Rocks and Minerals—A Golden Guide. Available at Books Underground, University of Minnesota Bookstore, St. Paul Campus, and other bookstores. (<98)


Publications from the Minnesota Geological Survey, University of Minnesota, 2642 University Ave., St. Paul, MN 55114, phone 612- 627-4784:




- Minnesota Underfoot
- The Rock Book
- Minerals
- Minnesota Geology
- A Guide to Field Identification—Minerals of the World
- Guide to Mineral Collecting in Minnesota
- Guide to Fossil Collecting in Minnesota
- 3 Mineral/3 Fossil Sample Kit. \$1. (<98)




REFERENCES:

Lasting Impressions: A Guide to Understanding Fossils in the Northeastern United States. New and experienced natural history buffs use this book to observe fossils and learn about organisms of long ago. Activities, geared for ages 10-15, can be adapted for older or younger learners. References and graphics help them explore in-depth and understand scientific methods. Cornell University, Media and Technology Services Resource Center, 7 Cornell Business & Technology Park, Ithaca, NY 14850, phone 607-255-2080, fax 607-255-9946, e-mail Dist_Center@cce.cornell.edu. (00)

**SHOOTING SPORTS/
WILDLIFE MANAGEMENT****56000****MEMBER MATERIAL:**


Shooting Sports/Wildlife PLUS Sheets, an introduction to the Shooting Sports/Wildlife Project and a list of available resources. Contact your local Extension Office for a copy. 

___ 4H-BU-05762 Call of the Wild, Wildlife Biology Member's Manual, Book 1 (S)   




___ 4H-BU-06340 Wildlife Diversity: The Links of Life, Wildlife Biology Member's Manual, Book 2 (S)   


NOTE: Because of laws governing firearms, this project must be led by trained 4-H leaders.


LEADER MATERIAL:

___ 4H-BU-02976 4-H Shooting Sports/Wildlife Leader's Guide (S) 



___ 4H-MI-03282 Minnesota 4-H Shooting Sports/Wildlife Project (brochure) (B)   

___ 4H-BU-06436 Taking Aim at Youth Development (S)   


___ 4H-BU-00314 Wildlife Reference for Minnesota Youth (F) 

___ 4H-BU-00313 Wildlife Habitat Improvement Guide for Minnesota Youth (F) 

___ 4H-BU-06611 Developing Environmental Citizens through

4-H Shooting Sports/Wildlife (study showing impact of this program) (S)  

OTHER RESOURCES:

___ FO-07067-S Managing Your Land for Wildlife. A 12-page full-color brochure outlines soil conservation practices which also provide habitat and food for wildlife. (99) 

Three Peterson Series titles, \$4.95 per copy, are available at bookstores or from some public libraries:

- Field Guide to Eastern Birds
- Field Guide to Wild Flowers
- Field Guide to Animal Tracks

Basic Hunters Guide. National Rifle Association, Education Division, 1600 Rhode Island Ave. N.W., Washington, DC 20036. (<98)

Available from the State of Minnesota's Bookstore, 117 University Ave., St. Paul, MN 55155:

- Wild About Birds
- Landscaping for Wildlife
- Woodworking for Wildlife (<98)




WATER/WETLANDS**57000****MEMBER MATERIAL:**




Biological Control of Purple Loosestrife. A program joining high school students, youth leaders, educators, citizens and scientists to fight the destructive wetland plant, using its natural insect enemies. Available from Purdue University Cooperative Extension Service, phone 1-888-EXT-INFO, www.agcom.purdue.edu/AgCom/Pubs/menu.htm, 4-H MSUE Pub 1595 (01)




LEADER MATERIAL:




Biological Control of Purple Loosestrife. Leader's Guide. Available from Purdue University Cooperative Extension Service, phone 1-888-EXT-INFO, www.agcom.purdue.edu/AgCom/Pubs/menu.htm, 4-H MSUE Pub 1595 (01)




PRINTED MATERIALS:

___ 4H-FO-05977 Wild Wetlands (B)   




___ 4H-FO-05978 Things That Go "Yuk" in the House (B)   




___ 4H-FO-05979 How Well Is Your Well? (B)   




___ 4H-FO-05980 Water Stewardship (B)   




___ 4H-BU-00328 Our World of Water (1/career) (D)   

OTHER RESOURCES:

___ AG-MI-07040 Taking Care of Your Septic System   

___ AG-PC-06583 Septic System Owner's Guide (97) (S)   

___ AG-FO-07080 Biological Control of Purple Loosestrife: A Guide for Rearing Leaf-Feeding Beetles   

___ AG-FO-06955 Managing Aquatic Plants in Minnesota Lakes (97) (C)   

___ AG-FO-06796 Phosphorus Transport to and Availability in Surface Waters (97) (B)   

AUDIOVISUAL MATERIALS:

___ AG-SS-07081 CUES for Biological Control of Purple Loosestrife 

___ AG-VH-06768 Septic Systems Revealed (96) 

4-H Wetland Wonders. A Water Quality Curriculum for Grades 4 and 5 – Leader Guide, 1998. An 84-page guide from Oregon 4-H Center/

Wetlands Program, 5390 4-H Road NW, Salem, OR 97304. (99)

Order the following two titles from Publications Distribution, University of Wisconsin, Room 170, 630 W. Mifflin St., Madison, WI 53703, phone 608-262-3346: (98)

- Give Water a Hand[®] Action Guide. 72 pages. A youth program guide for environmental action.
- Give Water a Hand[®] Leader Guidebook. 40 pages.

Comprehensive Water Education Book. 1994. 335 pages. Order from International Office for Water Education, Utah Water Research Laboratory, Utah State University, Logan, UT 84322-8200, phone 1-800-922-4693. \$8.75. (<98)


Teen News Network: Groundwater Update. 1993. Video and viewer's guide. Order item 4-H 0253VT from Michigan State University Bulletin Office, 10-B Ag. Hall, E. Lansing, MI 48824-1039. \$50. (<98)




Pond and Stream Safari: Guide to Ecology of Aquatic Invertebrates. 1996. Order item 147L24 from Cornell University, Media Services Resources Center, 7 Cornell B & T Park, Ithaca, NY 14850, phone 607-255-2080. \$14. (<98)




WILDLIFE/BIOLOGY

58000


MEMBER MATERIAL:


Wildlife Biology PLUS Sheets, an introduction to the Wild Life Biology Project and a list of available resources. Contact your local Extension Office for a copy. 




___ 4H-BU-05762 Call of the Wild, Wildlife Biology Member's Manual, Book I (S)   


___ 4H-BU-06340 Wildlife Diversity: The Links of Life, Wildlife Biology Member's Manual, Book II (S)   

OTHER RESOURCES:

___ 4H-BU-00313 Wildlife Habitat Improvement Guide for Minnesota Youth (F) 

___ 4H-BU-00314 Wildlife Reference for Minnesota Youth (F) 

___ 4H-FO-00312 Guide to Birdhouse Building (Member Guide) (C)   

___ FO-07067-S Managing Your Land for Wildlife. A new 12-page full-color brochure outlines soil conservation practices which also provide habitat and food for wildlife. (99) 

Available from the State of Minnesota's Bookstore, 117 University Ave., St. Paul, MN 55155:

- Wild About Birds
- Landscaping for Wildlife
- Woodworking for Wildlife (<98)

A complete national wildlife series of educational bulletins is available from the National 4-H Council, 7100 Connecticut Ave., Chevy Chase, MD 20815. List is in the National 4-H Catalogue. (<98)

...get yours today!



Print from University of Minnesota Extension Service
www.extension.umn.edu/units/dc



Order from National 4-H Cooperative Curriculum System www.n4hccs.org



Print from Center for 4H Youth Development
www.mn4H.org



Order from University of Minnesota Extension Service
www.extension.umn.edu/units/dc

PERSONAL GROWTH AND DEVELOPMENT

Citizenship

Community Pride –
Serving Others

Consumer Education

Global Connections

Health

Safety

Career Development

Youth Leadership

Through participation in a wide variety of Personal Growth and Development activities, 4-H'ers will explore what it means to be an active citizen, while practicing life skills through community involvement in the following ways:

- creating community by working with others in leadership roles
- motivating greater personal and public achievements of self and others
- developing into well-rounded, productive individuals who will understand how they can contribute to their communities, their society, their economy, their nation, and the world
- creating a personal and public vision for life in the 21st century

CITIZENSHIP WASHINGTON FOCUS

An opportunity for teens to increase appreciation of their heritage, meet other 4-H'ers from around the country and world, better understand U.S. government and current issues, and practice leadership and citizenship skills.

CITIZENSHIP

61000

Citizenship PLUS Sheets. Contact your local Extension Office for a copy. 📄📄

MEMBER MATERIAL:

___ 4HCCS-MI-07329 Citizenship Adventure Kit (S) 📄

LEADER MATERIAL:

___ 4HCCS-MI-07330 Citizenship Guide's Handbook (S) 📄

OTHER RESOURCES:

If both of the following items are ordered at the same time, the price is \$225. Order either or both from Community Partnerships with Youth, 2000 N. Wells St., Ft. Wayne, IN 46808, phone 219-422-6493. (<98)

- Youth as Trustees. 1994. 208 pages, plus 126-page Instructor's Guide, plus 75-page Trusteeship Journal. \$125.
- Youth in Governance. 1994. 202 pages, plus 126-page Instructor's Guide, plus 42-page Sample Board Manual. \$125.

The American Promise Education Kit. 1997. Two videos and a teaching guide based on a PBS documentary. Shows benefits of citizen participation. Free. Order from The American Promise, P.O. Box 514989, Los Angeles, CA 90051-4989. Free. (98)

4-H GLOBAL CONNECTION

Provides a wide variety of opportunities for 4-H'ers to discover global interdependence through the "And My World" curriculum, to look at the diversity of fellow citizens in their local communities, to review global issues for youth worldwide.

INTERSTATE/INTRASTATE 4-H TEEN EXCHANGES

An opportunity for 4-H members to visit the homes of members in other geographical areas within the USA and, in turn, be visited in their homes by 4-H members from the area visited.

COMMUNITY LEADERSHIP/COMMUNITY PRIDE

The Community Pride Program provides youth the opportunity to be actively involved in having a positive effect in their community.

COMMUNITY PRIDE— SERVING OTHERS

MEMBER MATERIAL:

Community Pride PLUS Sheets, an introduction to the Community Pride Project and a list of available resources. Contact your local Extension Office for a copy. 📄📄

___ 4H-BU-06932 Walk in My Shoes: An Aging Awareness Project Member Guide (I) 📄

___ 4H-BU-06933 Generation Celebration Member Guide (F) 📄

___ 4HCCS-MI-07329 Citizenship Adventure Kit (S) 📄

LEADER MATERIAL:

___ 4H-BU-06935 Walk in My Shoes: An Aging Awareness Project Leader Guide (I) 📄

___ 4H-BU-06936 Generation Celebration Leader Guide (F) 📄

___ 4HCCS-MI-07330 Citizenship Guide's Handbook (S) 📄

OTHER RESOURCES:

Building Community: A Tool Kit for Youth and Adults in Charting Assets and Creating Change. Assessing community assets and involving young people in positive change. Innovation Center for Community & Youth Development, Attn: BC Tool Kit, 7100 Connecticut Ave., Chevy Chase, MD 20815, phone 301-961-2837, info@theinnovationcenter.org. (01)

Using Plants to Bridge the Generations: Horticulture and Intergenerational Learning as Therapy (HILT). ISBN 1-57753-224-4. 68 pages. Discusses HILT and how to

use Horticulture to bring young and senior citizens together. Order from Cornell University Media Services Resource Center, 8BTP, Ithaca, NY 14850 (99)

Give Water a Hand* Action Guide. 72 pages. A youth program guide for environmental action. Give Water a Hand™ Leader Guidebook. 40 pages. Order from Publications Distribution, University of Wisconsin, Room 170, 630 W. Mifflin St., Madison, WI 53703, phone 608-262-3346. (98)

Partners in Community Leadership: Youth and Adults Working Together for Better Communities. 1993. 3-ring binder, 318 pages. Order item RRD 163 from North Central Regional Center for Rural Development, 317 East Hall, Iowa State University, Ames, IA 50011-1070, phone 515-294-8321. \$15. (<98)

The Kid's Guide to Social Action. 1991. 208-page paperback book. Includes 22 reproducible handout masters. For ages 10 and up. Order from Free Spirit Publishing Inc., 400 First Ave. N., Suite 616, Minneapolis, MN 55401-1724. Item FS71-61. \$14.95 plus shipping. Phone 1-800-735-7323. (<98)

"All The Difference" video—20 minutes. Student production, KHOP-TV (Hopkins School District) on models of youth community service. Available from the Center for 4-H Youth Development; 2-week loan.

"Youth Service: A Guidebook for Developing and Operating Effective Programs." 1987, Dan Conrad & Diane Hedin. Order from: The Independent Sector, 1828 L Street N.W., Washington, DC 20036, phone 202-223-8100. \$12.50. (<98)

"Making the Rules," A guidebook for young people who intend to make a difference. 1992, Project Public Life, Humphrey Institute of Public Affairs, University of Minnesota, 301-19th Avenue, Minneapolis, MN 55455, phone 612-625-0142. \$6.50 (10% discount for 10 or more). (<98)

"Building Ownership: A Coach's Guide to Teaching Politics." Breuer and Nelson. 1992. Project Public Life, Humphrey Institute of Public Affairs, University of Minnesota, 301-19th Ave., Minneapolis, MN 55455, phone 612-625-0142. \$10. (<98)

CONSUMER EDUCATION

33000

MEMBER MATERIAL:

Financial Management PLUS Sheets, an introduction to the Financial Management Project and a list of available resources. Contact your local Extension Office for a copy. 📄📄

New! Consumer Savvy. Become informed & responsible consumers in today's dynamic marketplace.

New! ___ 4HCCS-BU-08030 The Consumer in Me 📄

New! ___ 4HCCS-BU-08031 Consumer Wise 📄

New! ___ 4HCCS-BU-08032 Consumer Roadmap 📄

Financial Champions. Teaches about needs and wants, money personalities and values, goal-setting, ways to use and save money, benefits and drawbacks of credit, consumer decision-making and more.

___ 4HCCS-BU-07710 Money FUNdamentals. 📄

___ 4HCCS-BU-07711 Money Moves. 📄

National Endowment for Financial Education High School Financial Planning Program (HSFPP) available free on-line financial planning program. Increase your understanding of financial planning, issues & decisions. www.nefe.org/webtraining/index.html.

Bizworld: Volunteers Teaching Kids About Business. A nonprofit education foundation developed this kit to teach children, grades 3 - 8, how to start and run a business. In four two-hour modules, stu-

dents form and finance companies making friendship bracelets, then design, manufacture, market and sell the products while reinforcing math, science, art and language skills. Free to 4-H programs, schools and volunteers. Bizworld, 650-368-0777, info@bizworld.org or www.bizworld.org

LEADER MATERIAL:

New! ___ 4HCCS-BU-08033 Consumer Savvy Helpers Guide 📄

___ 4HCCS-BU-07712 Financial Champions Helper's Guide. 📄

Going Solo. This complete package in vertical file form guides leaders teaching the concepts and practices of entrepreneurship and business ownership to a variety of audiences. Order from University of Illinois Extension, Quad Cities Center, 4550 Kennedy Drive, East Moline, IL 61244, attn: Sharon Hough, phone 309-792-2500, fax 309-792-2602. (01)

The Rent Event. (ages 16 - 19) A workshop helping young people prepare to rent their first place: Leader's Guide and Member's Guide covering rental decisions, insurance, apartment care, etc. Order from Publications Distribution Center, Pennsylvania State University, 112 Agricultural Administration Building, University Park, PA 16802, phone 814-865-6713.

It All Adds Up. A consumer education program teaching teens to handle money, understand products and advertising, file complaints, manage checking accounts and credit. Includes 4-H Leader's guide 322LMI, introduction and evaluation for leaders, and group handouts. Cornell University, Media Services Resource Center, 7 Cornell Business and Technology Park, Ithaca, NY 14850, phone 607-255-2080. (01)

OTHER RESOURCES:

___ HE-FO-06117 Children and Money: Allowances and Alternatives (C) 📄📄📄

___ HE-FO-06116 Children and Money: Teaching Children Money Habits for Life (C) 📄📄📄

Consumer Critter Crew: A Consumer Life Skill Curriculum for Youth Ages 9-11. Consists of a Leader's Guide, a 25-min. video, a poster, and six lessons for "rookie consumers." Order from Dept. of Ag. Communications, Reed McDonald Bldg., Texas A & M University, College Station, TX 77843, phone 409-845-2211. (98) \$35

Personal Finance Economics, from EconomicsAmerica National Council on Economic Education, 1140 Avenue of the Americas, New York, NY 10036 (99)

- Smart Spending and Saving. ISBN 1-56183-413-0. A 1996 Teacher Resource Manual with content for grades 3-5. 97 pages.

- Money in the Middle, ISBN 1-56183-414-9. A 1996 Teacher Resource Manual with content for grades 6-8. 125 pages

GLOBAL CONNECTIONS

63000

MEMBER/LEADER MATERIALS:

Global Connections PLUS Sheets, an introduction to the Global Connections Project and a list of available resources. Contact your local Extension Office for a copy. 📄📄

___ 4HI-BU-07998 And My World. Leader & Activity Guide. Revised '03 📄

Take a Walk in My Shoes: Guide Book for Youth on Diversity Awareness Activities. 1994. Print and video. Order from Yuri Morita, Office of Affirmative Action, 300 Lakeside Drive, 6th Floor, Oakland, CA 94612, phone 510-987-0098. (<98)

HEALTH**64000****MEMBER MATERIAL:**

___ 4HCCS-BU-06858 Discovering Myself (S) ☼

OTHER RESOURCES:

- ___ 4H-HE-07473 Sun Safe Hats for Skin Cancer Prevention **M**
- ___ HE-FS-02466 Change, Crisis, and Loss in Our Lives (97) (A) **M, M, M**
- ___ HE-FO-02468 Building Family Strengths (C) **M**
- ___ HE-FS-02786 Supporting Distressed Young People (A) **M, M, M**
- ___ 4H-FS-02787 Helping Friends in Trouble: Stress, Depression, and Suicide (Teens in Distress) (A) **M, M, M**
- ___ 4H-FS-03081 Supporting Young People Following a Suicide (A) **M, M, M**
- ___ 4H-FS-03083 Adolescent Stress and Depression (A) **M, M, M**
- ___ 4H-FS-03131 Taking Care of Yourself—Managing Stress (A) **M**
- ___ 4H-FS-03228 Self-Protection: Alcohol Decisions (A) **M, M, M**
- ___ 4H-FS-03269 Helping During a Fragile Time (for use with Fragile Time video) (A) **M**
- ___ 4H-FS-03268 Fragile Time, A Discussion Guide (C) **M**

Fighting Invisible Tigers – Stress Management Guide for Teens. 1995. Grades 6-12. 164 pages. Discusses the pressures and problems encountered by teenagers and provides information on life skills, stress management, and methods of gaining more control over their lives. Order from Free Spirit Publishing Inc., 400 First Ave. N., Suite 616, Minneapolis, MN 55401-1730, phone 612-338-2068. \$10.95. 140-page leader guide by same title available from same address for \$19.95. (98)

Facts for Teens About ... Sexual Activity, Pregnancy and Birth, STDs and HIV/AIDS, a 2-page fact sheet, is available free by calling 612-623-5274 (MN Dept. of Health). (<98)

CHOICES in a Pack: A Tobacco Education Program for Youth. 1996. 80-page spiral bound book with computer disks. \$25 + shipping. Ask for item SI-9080 from New Mexico State University. Phone 505-646-3026. (<98)

Raising Responsible Teens Teaching Resources Packet. Activity sheets, fact sheet, video, teaching materials, handouts, and overheads. Available from Dept. of Outreach Education, University of Wisconsin Hospital and Clinics, 702 N. Blackhawk Ave., Suite 215, Madison, WI 53705-3357, phone 1-800-757-4354. \$45 plus \$5 shipping. (<98)

Speaking Heart to Heart. Curriculum package. Order item SPHDL90 from IFAS Publications, University of Florida, P.O. Box 110011, Gainesville, FL 32611-0011. \$10. (<98)

Babyopoly. \$22.95 each for 2-9 copies; \$21.95 each for 10 or more. Order item G-734 from Love It Educational Systems, P.O. Box 113, Pryor, OK 74362-0113. Order single copies from National 4-H Council, 7100 Connecticut Ave., Chevy Chase, MD 20815-4999, phone 301-961-2800. (<98)

CHOICES: Charting a Positive Future for Teen Parents. Three volumes, \$50 each. Order items SPHEL 40, 41, 42 from IFAS Publications, University of Florida, P.O. Box 110011, Gainesville, FL 32611-0011. (<98)

AUDIOVISUAL MATERIALS:

4HCCS-CD-07732 Lessons and More CD. See full description on page 9. ☼

Around Friends (VHS, 13 min.). Video and guide by teens for teaching 4th through 6th grades about alcohol decisions. Included

in teaching kits for Alcohol Decisions. Extra copies available from Hazelden. (<98)

Drug Free & Proud to Be (VHS, 5 min.). "Rap" video available from Michigan State University, AAE Resource Center, Michigan 4-H Youth Program, Room 10, Ag. Hall, E. Lansing, MI 48824-1111. \$35 plus \$2 shipping. (<98)

Young People in Crisis (VHS, 30 min.). Documentary. Dr. Pamela Cantor narrates discussion of effective teacher and parent interventions with young people at high risk for suicide. Effective with adult audiences. Three dramatizations of high school students in crisis. Developed in consultation with Harvard Medical School. Discussion guide, video, and participant booklets available for five-day rental from EXAR Communications, 267B McClean Ave., Staten Island, NY 10305 for \$37.50. (<98)

___ AD-VH-03075 Fragile Time **M**

Award winning documentary for adult audiences on teen depression and suicide. Produced by University of Minnesota Extension Service. Order through Distribution Center or purchase or rent from Perennial Education, Inc., 930 Pitner Ave., Evanston, IL 60202, phone 312-328-6700. (<98)

___ 4H-EP-06113 Circle of Support (S) **M, M, M**

SAFETY**64500****MEMBER MATERIAL:**

- ___ 4H-BU-00357 Home Fire Safety Member's Manual (1/career) (D) **M**
- ___ 4H-MI-00358 Farm Hazard Hunter (1/career) (A) **M**
- ___ 4H-MI-00359 Safety in the Kitchen (1/career) (C) **M**

LEADER MATERIAL:

Lawn Ranger: Lawn and Garden Safety Education Program. A kit including Leader's Guide, signs and stickers provides activities for teens and adults teaching children, ages 5-9, how to stay safe around yard tools and machines. National 4-H Council, 7100 Connecticut Ave., Chevy Chase, MD 20815-4999, phone 301-961-2800, info@fourhcouncil.edu. (01)

4-H ATV Rider Handbook and Goup Training Materials. Includes Leaders handbook, Lesson outlines, coloring book & stickers. Available for minimal charge. Contact Gerrit Shuffstall, National 4-H Council, 7000 Connecticut Ave., Chevy Chase, MD 20815-4999.







OTHER RESOURCES:

"Paws" 4 Farm Safety. Children ages 4-8 explore safe housing, handling, health and hygiene of farm animals and pets, plus their own safety on the farm and safe horse riding. Leader brochure gives background and teaching tips. Farm Safety 4 Just Kids, 110 South Chestnut Ave., P.O. Box 458, Earlham, IA 50072, phone 800-423-5437, fax 515-758-2517, www.fs4jk.org, e-mail fs4jk@netins.net. (00)

Teaching Agricultural Safety to Kids. 1995. Complete set (650 pages, 19 units) with storage case is \$225. Individual units are \$14.20 each and average 34 pages. Order from Elizabeth Burns, Illinois Easter Seal Society, 2715 South 4th St., Springfield, IL 62703, phone 1-800-323-8275. (<98)

Farm Safety Instructional Training Units. Farm and logging safety lessons. Informational folder for each of the following topics:

- ___ AG-FO-00778 Dangers in the Air When Handling Livestock (C)
- ___ AG-FO-00878 Safe Work Practices on Dairy Farms (B) **M, M, M**
- ___ AG-FO-02326 Using Anhydrous Ammonia Safely on the Farm (C) **M, M, M**
- ___ AG-FO-05791 Farm Safety Day Camps (B) **M, M, M**

- ___ AG-FS-05916 The Power of a PTO (A)   
- ___ AG-FO-06068 Is Your Child Protected from Injury on the Farm? (B)   

RED CROSS SAFETY MATERIALS:

Red Cross Safety Materials 2000. Kit contains brochures on family disaster supplies, water safety, financial preparation for disasters, Red Cross health and safety services, pets and disasters, preparedness checklist. Contact your local Red Cross for a copy. (00) Five titles:

- The Be Ready Book prepares children for home fires, winter storms and earthquakes.
- Protect Your Family From Fire shows family participation in fire safety with illustrations, directions in Spanish and English.
- Tornadoes, a preparedness guide, includes safety information for schools.
- Thunderstorms and Lightning shows weather dangers, safety and family disaster plan.
- Flash Floods and Floods shows causes, community and home preparedness and disaster plan.

OTHER COMMONLY REQUESTED INFORMATION:

Many youth-oriented publications, fact sheets, activity guides, coloring books, and reference materials dealing with youth and farm safety issues can be obtained from: Farm Safety 4 Just Kids, P.O. Box 458, Earlham, IA 50072, phone 515-758-2827. (<98)

AUDIOVISUAL MATERIALS:

Harm's Way (VHS, 18 min.). Available from American Association of Neurological Surgeons, 22 South Washington Street, Park Ridge, IL 60068. \$35 plus \$5 shipping. (<98)


Contact the Minnesota Department of Public Safety Film Library, 1821 University Avenue, Room 180 South, St. Paul, MN 55104-2897, phone 651-297-3939, for a listing of safety films available for rent at a low cost.


Extension safety specialist John Shutske (phone 612-625-9733) can provide farm safety education leader's training to cluster groups including Extension educators and community volunteers for teaching youth ages 8-13 ("day camp format"), and ages 14-16 (hazardous occupation training as required by state/federal law). Please schedule at least six months before actual educational event is to be held. Can also train Extension educators and volunteers to teach the 2-hour hazardous occupations course, or make referrals to nearby resource people. (<98)

CAREER DEVELOPMENT

MEMBER MATERIAL:


Entrepreneurship- designed to empower youth with the knowledge skills and mindsets to meet the challenges of being an entrepreneur in the 21st Century. (grades 7 - 12)


New! ___ 4HCCS-BU-08035 Be the E (Member Material) 

New! ___ 4HCCS-BU-08036 Entrepreneurship Helper's Guide 

EDUCATIONAL PACKAGES:

___ 4H-EP-03736 I'll Take Charge, an education package on life planning and career development (S). Includes more than 50 activities to explore life changes, personal priorities, skills, and interests. Uses experiential methods including interviews, field trips, videotapes of people reflecting on their lives, club or classroom activities, and suggestions for providing community services. Parts of the curriculum can be adapted for seminars and longer workshops for


youth and adults. Contains six booklets and two videotapes that deal with dreams and expectations, lifestyles, family and sex roles, work, and education. Must be ordered as a package. Designed for use with youths ages 13-19. (S) 

___ 4H-EP-05721 Leader Training: I'll Take Charge. The training package contains a 73-page manual, a 20-minute video and a slide set of 48 slides. These materials in combination with I'll Take Charge activities are incorporated into a 5-hour seminar, a 3-hour workshop, and a 1-hour overview for adults and young people interested in working with the life planning curriculum. The video, a 4-H Enterprise, focuses on understanding experiential learning. (S) 

Job Express. Cornell University, Media Services Resources Center, 7 Cornell B & T Park, Ithaca, NY 14850, phone 607-255-2080. Distribution number 321REN8, \$6.15. Developed by Steve Goggin, Cornell University Extension. (<98)

Leader's guide with step-by-step activities designed as a short-term job seeking skills program for young people. Contains 12 units with worksheets. Ideal for summer job seekers. Provides information about the American job market, ways to get job leads, and confidence building activities. (<98)

AUDIOVISUAL MATERIALS:

___ 4H-VH-03734 Making Points. Girls Club of America, 1987. A 10-minute video illustrates with humor the pervasive effects of sex role stereotyping between men and women. Available to University of Minnesota Extension Service only. Also available to rent from the University of Minnesota Film and Video, 1313 Fifth St. S.E., Suite 108, Minneapolis, MN 55414, phone 612-627-4270. Available to purchase from Direct Cinema Ltd., P.O. Box 315, Franklin Lakes, NJ 07417, phone 201-891-8240. \$100 plus \$5 shipping. 

Follow Your Dream. A 6-minute music video emphasizing planning for the future and visualization as a means of making career choices. Lively music; features young people in different future roles. YMCA of the USA/Arizona Department of Education. 1988. Available on loan from the Center for 4-H Youth Development. Also for sale from Arizona Department of Education, 1535 West Jefferson, Phoenix, AZ 85007. \$30. (<98)

Forward to School. A 20-minute video in which four adults discuss major life changes and retraining for future careers. Emphasizes the necessity of education to keep options open. AFL-CIO, developed by Metropolitan State University, Metro Square Building, St. Paul, MN 55101. Free to the public. 1988. Copy available in the Center for 4-H Youth Development. (<98)

OTHER RESOURCES:

4-H 457 Business Sense. Activities in this project guide learners in selecting a product or service, and planning and managing a business. They learn to identify their customers, analyze the community and financial resources, keep books and records, make key decisions. Mentors can use this project with older youth or developing entrepreneurs. Order from University of Nebraska, CIT Distribution, Room 105 ACB, Lincoln, NE 68583-0918, phone 402-472-9713. (00)

Choices and Challenges Series. Advocacy Press, P.O. Box 236, Santa Barbara, CA 93102, 805-962-2728. For book rates, add \$1.25 for the first book and \$.50 for each additional book. For shipping, add \$3 per book, or call Advocacy Press for prices on quantity orders. Developed for Girls Club of America, Inc. to promote options and encourage planning for work and family. Softcover books are suitable for classroom use. Exceptional quality. (<98)

Softcover books:

- Choices: A Teen Woman's Journal for Self-awareness and

Personal Planning. \$14.95.

- Challenges: A Young Man's Journal for Self-awareness and Personal Planning. \$14.95.
- Changes: A Woman's Journal for Self-awareness and Personal Planning. \$14.95.
- More Choices: A Strategic Planning Guide for Mixing Career and Family. \$15.95.

Student workbooks:

- Choices and Challenges. \$3.95.
- Changes. \$3.95.
- More Choices. \$3.95.


____ 4H-BU-06880 WOW! Wild Over Work – A Helper's Guide to Workforce Preparation (Activities for Grades K-6) (S) 


Careers Unlimited Notebook. 1993. 217 pages. Order item 4-H 1261 from Michigan State University Bulletin Office, 10-B Ag. Hall, E. Lansing, MI 48824-1039. \$45. (<98)


YOUTH LEADERSHIP


65000


MEMBER MATERIAL:

Youth Leadership PLUS Sheets, an introduction to the Youth Leadership Project and a list of available resources. Contact your local Extension Office for a copy. 


____ 4HCCS-BU-07905 My Leadership Workbook (Gr 3-5) 


____ 4HCCS-BU-07906 My Leadership Journal (Gr 6-8) 

____ 4HCCS-BU-07907 My Leadership Portfolio (Gr 9-12) 


____ 4HCCS-PC-07908 Leadership Set 


LEADER MATERIAL:


____ 4HCCS-BU-07903 Leadership Mentor Guide 1 (Gr 3-5) 


____ 4HCCS-BU-07904 Leadership Mentor Guide 2 (Gr 6-12) 


RELATED MATERIAL:


____ 4H-BU-05727 Understanding My Traits, Workbook 1, Youth Leadership (S) 


____ 4H-BU-05728 Reading the Situation, Workbook 2, Youth Leadership (S) 


____ 4H-BU-05729 Mastering the Organization, Workbook 3, Youth Leadership (S) 


____ 4H-BU-05730 Appreciating Power, Workbook 4, Youth Leadership (S) 

____ 4H-BU-05731 Seeing the Vision, Workbook 5, Youth Leadership (S) 

____ 4H-BU-05732 Acting with Ethics, Workbook 6, Youth Leadership (S) 

____ 4H-BU-05733 Reflecting on Action, Workbook 7, Youth Leadership (S) 

____ 4H-FO-05734 Mentor's Guide, Youth Leadership (S) 

____ 4H-FS-05735 Youth's Guide, Youth Leadership (S) 

____ 4H-BU-05736 Organizer's Guide, Youth Leadership (S) 

____ 4H-MI-05796 Youth Leadership (Certificate) (A) 

OTHER RESOURCES:

Leadership: Building Skills for Life Series (97). Order from Media Distribution Center, Purdue University, 301 S. 2nd St., Lafayette, IN 47901-1232, phone 317-494-6794. (98)

- Book I – Pathways to Leadership. Grades 3-4. 84 pages.
- Book II – Building Personal Leadership Skills. Grades 5-6. 84 pages.
- Book III – Leadership for Life. Grades 7-9. 100 pages.
- Book IV – Leading into the Future. Grades 10-12. 100 pages.

Take a Walk in My Shoes: Guide Book for Youth on Diversity Awareness Activities. 1994. Print and video. Order from Office of Affirmative Action, 300 Lakeside Drive, 6th Floor, Oakland, CA 94612, phone 510-987-0098. (<98)

If both of the following are ordered at the same time, the price is \$225. Order either or both from Community Partnerships with Youth, 2000 N. Wells St., Ft. Wayne, IN 46808, phone 219-422-6493. (<98)

- Youth as Trustees. 1994. 208 pages, plus 126-page Instructor's Guide, plus 75-page Trusteeship Journal. \$125.
- Youth in Governance. 1994. 202 pages, plus 126-page Instructor's Guide, plus 42-page Sample Board Manual. \$125.

Values for Life: Self Esteem Building Activity Books. 1993. Set of 25 workbooks with a teacher's guide. \$59.95 + 7% shipping. Order from The Bureau for At-Risk Youth, P.O. Box 760, Plainview, NY 11803-0760. (<98)

Reaching Out for Teen Awareness. 1995. 90 pages with video. Available from University of Maine. Contact Melanie Spencer by e-mail at: mspencer@umce.umext.maine.edu. \$10/set. (<98)


Kids' Team Curriculum Cards

- Set 1, 250 plastic-coated curriculum cards, facilitator's guide, plastic carrying case, 1992, \$39.
- Set 2, 150 plastic-coated curriculum cards, 1995, \$25.

Add \$5 per box for shipping. Order from University of Nebraska, 114 Ag. Hall, Lincoln, NE 68583-0700. (<98)

Character At Work. A fast-paced, interactive program helps 16-to-18-year-olds enter the workplace with ethical decision-making skills. Participants review their current beliefs and behavior, gain new information. Binder contains background, facilitators' guidelines, presentation plans, activities, handouts, evaluation materials. Good for after-school, camp and career programs. Jan Carroll, PhD, State 4-H Office, 129 Aylesworth NW, Fort Collins, CO 80523-4050, phone 970-491-6102, e-mail carroll@cahs.colostate.edu (00)

AUDIOVISUAL MATERIALS:

____ 4H-VH-05633 Leadership, Acting With Ethics (includes discussion guide) 

...get yours today!



Print from University of Minnesota Extension Service
www.extension.umn.edu/units/dc



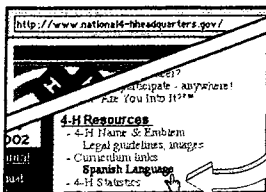
Order from National 4-H Cooperative Curriculum System
www.n4hccs.org



Print from Center for 4H Youth Development
www.mn4H.org



Order from University of Minnesota Extension Service
www.extension.umn.edu/units/dc



4-H habla Español

Click on the **Spanish Language** link under **4-H Resources** on the National 4-H Headquarters home page:
www.national4-hheadquarters.gov/

PLANT SCIENCES

Crop Science

Flower Gardening

Fruit

Indoor Gardening

Lawn and Landscape Design

Plant and Soil Science

Potatoes

Vegetable Gardening

Plant Sciences projects provide opportunities for 4-H'ers to learn life skills such as the following:

- developing a sense of responsibility, patience, and understanding in caring for plants
- understanding the economic importance of the horticulture industry and horticulture's value in everyday living
- learning to keep and use records


Project activities can include learning how to identify and care for plants and learning their characteristics and uses. Some of the topics covered are:

- seeds and seed starting
- what's inside seeds
- germination tests
- exploring the purpose of a leaf
- conducting propagation tests
- dissecting flowers and fruits
- soil preparation
- how roots grow
- garden planning
- edible weeds

CROP SCIENCE



71000

MEMBER MATERIAL:



Crop Science PLUS Sheets, an introduction to the Crop Science Project and a list of available resources. Contact your local Extension Office for a copy. 



OTHER RESOURCES:



Variety Trials publications are available in a number of specific crop areas, such as Alfalfa, Barley, Birdsfoot Trefoil, Canola, Oat, Oilseed Crops, Red Clover, Reed Canarygrass, Soybean, Tall Fescue, Timothy, Wheatgrass, Hard Red Spring Wheat, and Winter Wheat. See your Extension Office for item numbers and prices.



___ AG-FO-06288 Understanding Phosphate Fertilizers (97) (B)  



Corn



___ AG-FO-02928 Broadleaf Weed Seedling Identification Key (97) (B)  



___ AG-FO-00776 Weed Seedling Identification (C)  



___ AG-MI-01350 Annual Broadleaf Weed Identification (S)  



___ AG-MI-01349 Annual Broadleaf Weed Seedling Identification (S)  

___ AG-MI-01352 Annual Grass and Perennial Weed Identification (S)  

___ AG-MI-01351 Annual Grass and Perennial Weed Seedling Identification (S)  

___ AG-MI-03986 Clean Water—Pesticide Selection Can Make a Difference (S)  


___ AG-BU-03157 Cultural and Chemical Weed Control in Field Crops (E)  


___ 4H-AG-03790 Fertilizing Corn in Minnesota.  



FLOWER GARDENING


72000

MEMBER MATERIAL:

Flower Gardening PLUS Sheets, an introduction to the Flower Gardening Project and a list of available resources. Contact your local Extension Office for a copy. 

___ 4H-BU-00370 Flower Gardening (1/ career) (D) 



___ 4H-FO-00371 Preparing Flowers for the Flower Show (1/career) (B)  



___ 4H-BU-00372 4-H Flower Arranging (1/career) 

JMGSM: Junior Master Gardener. Adapted from the adult Master Gardener program for 4-H participants at various levels, grades 3 and up. Working on principles of plant growth and development, ecology, insects and diseases, children earn JMG certification. Texas Agricultural Extension Service, Agricultural Communications, 107 Reed McDonald Building, Texas A & M University, College Station, TX 77843-2112. <http://agpublications.tamu.edu>. (01)



Growing in the Garden: Outdoor Classrooms for Young Gardeners. K-3 curriculum teaching about agriculture, natural resources, food and people through garden planning, planting, nurturing and harvest. Includes leader's guide, handouts, garden journal. Iowa State University Extension, 4-H Youth Development, 119 Printing and Publications Bldg., Iowa State University Ames, IA 50011-3171. (01)




OTHER RESOURCES:

___ AG-FO-06748 Establishing and Maintaining a Prairie Garden (97) (C)  

___ AG-FO-06750 Selecting Hardy Roses for Northern Climates (97) (C)  

___ AG-BU-06953 Insect Pests of Roses (97) (F)  

___ AG-FS-07068 Garden Chrysanthemums (97) (A)  

___ AG-FS-01158 Fungicides for the Home Garden (97) (A)   

- ___ AG-FS-01163 Rose Diseases (97) (A) 🏠👨🌾👨🌾
- ___ AG-FS-01170 Bacterial Leaf Diseases of Foliage Plants (97) (A) 🏠👨🌾👨🌾
- ___ AD-MR-06484 Cultivar Trials of Bedding Plants (F) 🏠👨🌾👨🌾
- ___ AG-FS-01105 Culture of Garden Roses (A) 🏠👨🌾👨🌾
- ___ AG-FS-01113 Iris for Northern Gardens (A) 🏠👨🌾👨🌾
- ___ AG-MI-03821 Fertilizing Garden and Landscape Plants and Lawns (C) 🏠👨🌾
- ___ AG-FS-01112 Selecting Lilies for Your Garden (A) 🏠👨🌾👨🌾
- ___ AG-FS-01428 Gardening in the Shade (A) 🏠👨🌾👨🌾
- ___ AG-FS-01115 Growing Dahlias (A) 🏠👨🌾👨🌾
- ___ AG-FS-01106 Growing Daylilies (A) 🏠👨🌾👨🌾
- ___ AG-FS-01120 Growing Petunias (A) 🏠👨🌾👨🌾
- ___ AG-FS-01117 Storing Tender Bulbs and Bulblike Structures (A) 🏠👨🌾👨🌾
- ___ AG-FS-01116 Forcing Bulbs for Indoor Beauty in Winter (A) 🏠👨🌾👨🌾
- ___ AG-BU-06711 Butterfly Gardening (S) 🏠👨🌾👨🌾
- ___ AD-MR-06594 Roses for the North (S) 🏠👨🌾👨🌾

Using Plants to Bridge the Generations: Horticulture and Intergenerational Learning as Therapy (HILT). ISBN 1-57753-224-4. 68 pages. Discusses HILT and how to use Horticulture to bring young and senior citizens together. Order from Cornell University Media Services Resource Center, 8BTP, Ithaca, NY 14850. (99)

AUDIOVISUAL MATERIALS:

- ___ 4HCCS-CD-07732 Lessons and More CD. See full description on page 9. 🎧
- ___ AG-SS-06712 Cues for Butterfly Gardening (97) 🏠👨🌾

A large number of videos from the Minnesota Gardening TV series are available for rental. Consult the Distribution Center Catalog of Educational Materials in your local Extension Office for topic titles and item numbers.

REFERENCE MATERIALS:

AG-CS-07525 (01) Plant Elements of Design: A Plant Selection Program. An interactive CD-ROM for designers, architects and garden center professionals. Plants are chosen for characteristics including type, height, width, texture, seasonal interest, soil and light requirements. Order from University of Minnesota Extension Service, Distribution Center, 405 Coffey Hall, 1420 Eckles Ave., St. Paul, MN 55108-6068, order@extension.umn.edu. 🏠

FRUIT **73000**

MEMBER MATERIAL:

Fruit PLUS Sheets, an introduction to the Fruit Project and a list of available resources. Contact your local Extension Office for a copy. 🏠📄

- ___ AG-BU-00470 Fruit for the Home (D) 🏠

JMGSM: Junior Master Gardener. Adapted from the adult Master Gardener program for 4-H participants at various levels, grades 3 and up. Working on principles of plant growth and development, ecology, insects and diseases, children earn JMG certification. Texas Agricultural Extension Service, Agricultural Communications, 107 Reed McDonald Building, Texas A & M University, College Station, TX 77843-2112. <http://agpublications.tamu.edu>. (01)

Growing in the Garden: Outdoor Classrooms for Young Gardeners. K-3 curriculum teaching about agriculture, natural resources, food and people through garden planning, planting, nurturing and harvest. Includes leader's guide, handouts, garden journal. Iowa State University Extension, 4-H Youth Development, 119 Printing and Publications Bldg., Iowa State University Ames, IA 50011-3171. (01)

LEADER MATERIAL:

- ___ AG-MI-00675 Home Fruit Spray Guide (1/year) (B) 🏠
- ___ 4H-FO-00367 4-H Leader's Horticultural Guide (1/career) (D) 🏠

OTHER RESOURCES:

- ___ AG-BU-07090 Small Fruits: Insect and Disease Management for Backyard Fruit Growers in the Midwest (97) (S) 🏠
- ___ AG-BU-07091 Tree Fruits: Insect and Disease Management for Backyard Fruit Growers in the Midwest (97) (S) 🏠
- ___ AG-FS-01104 Fruits for Minnesota (A) 🏠👨🌾👨🌾
- ___ AG-FO-01103 Growing Grapes for Home Use (B) 🏠👨🌾👨🌾
- ___ AG-FO-01111 Apples for Minnesota and their Culinary Uses (B) 🏠👨🌾👨🌾
- ___ AG-FS-01122 Currants and Gooseberries in the Home Garden (A) 🏠👨🌾👨🌾
- ___ AG-FO-01125 Growing Stone Fruits (C) 🏠👨🌾👨🌾
- ___ AG-FS-01108 Raspberries for the Home Garden (A) 🏠👨🌾👨🌾
- ___ AG-FS-01152 Raspberry Diseases (A) 🏠👨🌾👨🌾
- ___ AG-FS-01148 Strawberry Diseases (A) 🏠👨🌾👨🌾
- ___ AG-FS-01007 The Apple Maggot (A) 🏠👨🌾👨🌾
- ___ AG-MI-00574 Common Fruit Insects (C) 🏠👨🌾👨🌾
- ___ AG-FS-01028 Protecting Honey Bees From Insecticides (A) 🏠
- ___ AG-FS-03463 Blueberries for the Home Landscape (A) 🏠👨🌾👨🌾

INDOOR GARDENING **74000**

MEMBER MATERIAL:

Indoor Gardening PLUS Sheets, an introduction to the Indoor Gardening Project and a list of available resources. Contact your local Extension Office for a copy. 🏠📄

- ___ 4H-BU-00375 Indoor Gardening (1/career) (S) 🏠
- ___ 4H-BU-00372 4-H Flower Arranging (1/career) (S) 🏠

JMGSM: Junior Master Gardener. Adapted from the adult Master Gardener program for 4-H participants at various levels, grades 3 and up. Working on principles of plant growth and development, ecology, insects and diseases, children earn JMG certification. Texas Agricultural Extension Service, Agricultural Communications, 107 Reed McDonald Building, Texas A & M University, College Station, TX 77843-2112. <http://agpublications.tamu.edu>. (01)













Growing in the Garden: Outdoor Classrooms for Young Gardeners. K-3 curriculum teaching about agriculture, natural resources, food and people through garden planning, planting, nurturing and harvest. Includes leader's guide, handouts, garden journal. Iowa State University Extension, 4-H Youth Development, 119 Printing and Publications Bldg., Iowa State University Ames, IA 50011-3171. (01)

LEADER MATERIAL:


- ___ 4H-FO-00367 4-H Leader's Horticultural Guide (1/career) (D) 🏠

OTHER RESOURCES:

- ___ AG-FO-01031 House Plant insect Control (B) 🏠👨🌾👨🌾


- ___ AG-FS-01127 Cacti and Succulents (A)   
- ___ AG-FS-01118 Outdoor-Indoor Geranium Culture (A)   
- ___ AG-FS-01130 Caring for Houseplants in Northern Climates (A)   
- ___ AG-FS-01116 Forcing Bulbs for Indoor Beauty in Winter (A)   



AUDIOVISUAL MATERIALS:

- ___ 4HCCS-CD-07732 Lessons and More CD. See full description on page 9. 



LAWN AND LANDSCAPE DESIGN 75000

MEMBER MATERIAL:





































































Lawn and Landscape Design PLUS Sheets, an introduction to the Lawn and Landscape Design Project and a list of available resources. Contact your Extension Office for a copy. 






























- ___ 4H-BU-00383 Lawn and Landscape Design (1/career) (E) 
- ___ 4H-BU-00384 4-H Lawn Care (1/career) (D) 

LEADER MATERIAL:

- ___ 4H-BU-00383 Lawn and Landscape Design (1/career) (E) 
- ___ 4H-BU-00384 4-H Lawn Care (1/career) (D) 









OTHER RESOURCES:

- ___ AG-FO-07410 Tree Fertilization: Guide for Fertilizing New and Established Trees  
- ___ AG-FO-07448 Native Vegetation Poster  
- ___ AG-BU-07447 Native Plants for Sustainable Landscapes   
- ___ AG-PC-07357 Shoreland Landscaping Series   
- ___ NR-FO-06989 Recommended Trees for: Northern Tall-grass Prairie   
- ___ AG-FS-02364 Watering Lawns and Other Turf   
- ___ AG-FS-06065 Common Questions about Wildflowers and Native Plants   
- ___ AG-FO-06986 Landscaping Septic Systems   
- ___ AG-FS-06422 Ornamental Grasses for Minnesota   
- ___ AG-FO-03386 Lawn Diseases 
- ___ NR-FO-06945 Recommended Trees for: Northwest and Central Minnesota   
- ___ AG-FS-03034 Turf Patch Diseases (97) (A)   
- ___ AG-FO-00628 Pruning Trees and Shrubs (B)   
- ___ AG-FS-00998 Boxelder Bugs (A)   
- ___ AG-FO-01008 Managing Lawn and Turf Insects (B)   
- ___ AG-FS-01009 Insect and Mite Galls (A)   
- ___ AG-FO-01019 Scale Insects of Trees and Shrubs (D)   
- ___ AG-FS-00915 Pesticide Application Record (S)   
- ___ AG-MI-00488 The Home Lawn (D)   
- ___ AG-FS-01114 Ground Covers for Rough Sites (A)   
- ___ AG-FS-01158 Fungicides for the Home Garden (A)   
- ___ AG-FO-01164 Verticillium Wilt of Trees and Shrubs (B)   
- ___ AG-FO-00604 Fitting Trees and Shrubs Into the Landscape (B)   
- ___ AG-FO-01411 Protecting Trees and Shrubs Against Winter Damage (B)   

- ___ AG-FS-00466 Native Trees That Can Be Used for Landscaping (A)   
- ___ AG-FS-01123 Thatch Control in Lawns and Turf (A)   
- ___ AD-SB-3017 Caring for the Countryside (F) 
- ___ AG-FO-01430 Choosing Landscape Evergreens (B)   
- ___ AG-MI-03821 Fertilizing Garden and Landscape Plants and Lawns (C) 
- ___ AG-FO-05891 Responsible Use of Lawn Care Pesticides (B)   
- ___ AG-MI-03898 Tree Owner's Manual (S)   
- ___ AG-FO-05890 Lawn Care Practices to Reduce the Need for Fertilizers and Pesticides (B)   
- ___ AG-FO-03238 Plants in Prairie Communities (D)   
- ___ AG-FO-06748 Establishing and Maintaining a Prairie Garden (C)   
- ___ AG-BU-06422 Ornamental Grasses for Minnesota (S)   


Landscaping for Wildlife, by Carol Henderson. For more information, contact Minnesota's Bookstore, 117 University Ave., St. Paul, MN 55155. (<98)

AUDIOVISUAL MATERIALS:

- ___ AG-VH-07456 Apples and Other Fruits for Minnesota 
- ___ AG-VH-07459 Storm-Damaged Trees: Insect and Disease Concerns 
- ___ AG-VH-07229 Minnesota Gardening: Home Composting 
- ___ AG-VH-07232 Minnesota Gardening: Landscaping Near Wetlands 
- ___ AG-VH-07234 Minnesota Gardening: Water Gardening 
- ___ NR-VH-07129 Living Shore, The Best Management Practices for Shoreland Vegetation 
- ___ NR-VH-07130 Standing Firm Against Erosion, Best Management Practices for Shoreland Stabilization 
- ___ AG-SS-06712 Cues for Butterfly Gardening (97) 


A large number of videos from the Minnesota Gardening TV series are available for rental. Consult the Distribution Center Catalog of Educational Materials in your County Extension Office for topic titles and item numbers.

REFERENCE MATERIALS:


AG-CS-07525 Plant Elements of Design: A Plant Selection Program. An interactive CD-ROM for designers, architects and garden center professionals. Plants are chosen for characteristics including type, height, width, texture, seasonal interest, soil and light requirements. Order from University of Minnesota Extension Service, Distribution Center, 405 Coffey Hall, 1420 Eckles Ave., St. Paul, MN 55108-6068, order@extension.umn.edu. (01) 

PLANT AND SOIL SCIENCE 76000







MEMBER MATERIAL:

Plant and Soil Science PLUS Sheets, an introduction to the Plant and Soil Science Project and a list of available resources. Contact your local Extension Office for a copy. 

LEADER MATERIAL:
















- ___ 4H-FO-00367 4-H Leader's Horticultural Guide (1/career) (D) 

OTHER RESOURCES:




- ___ AG-FO-06796 Phosphorus Transport to and Availability in Surface Waters (97) (B)   
- ___ AG-FO-06288 Understanding Phosphate Fertilizers (97) (B)   

Green Food Factory. 1992. Teacher guide is 4H393, 34 pages, \$1.50. Student tabloids are 4H392, five 4-page tabloids, \$1.50. Order from University of Nebraska, CIT Distribution, Room 105 ACB, Lincoln, NE 68583-0918, phone 402-472-9713. (<98)

Weed Control


- ___ AG-FO-00776 Weed Seedling Identification (C)   
- ___ AG-MI-01350 Annual Broadleaf Weed Identification (S)   
- ___ AG-MI-01349 Annual Broadleaf Weed Seedling Identification (S)   
- ___ AG-MI-01352 Annual Grass and Perennial Weed Identification (S)   
- ___ AG-MI-01351 Annual Grass and Perennial Weed Seedling Identification (S)   

Soils and Their Management

- ___ AG-FO-00794 Sulfur for Minnesota Soils (D)   

POTATOES


77000







Potato PLUS Sheets, an introduction to the Potato Project and a list of available resources. Contact your local Extension Office for a copy. 

VEGETABLE GARDENING




78000

MEMBER MATERIAL:
















Vegetable Gardening PLUS Sheets, an introduction to the Vegetable Gardening Project and a list of available resources. Contact your local Extension Office for a copy. 




- ___ 4HCCS-BU-07162 See Them Sprout (S) 
- ___ 4HCCS-BU-07163 Let's Get Growing (S) 
- ___ 4HCCS-BU-07164 Take Your Pick (S) 
- ___ 4HCCS-BU-07165 Growing Profits (S) 
- ___ 4HCCS-BU-07167 Suggested 4-H Garden Exhibits (S) 
- ___ 4H-FO-00379 Preparing Vegetables for Exhibit (1/career) (C) 

















































































LEADER MATERIAL:

- ___ 4H-FO-000367 4-H Leader's Horticultural Guide (D) 
- ___ 4H-BU-00381 4-H Vegetable Gardening Through the Seasons (leader's guide) (1/career) (F) 
- ___ 4HCCS-BU-07166 Gardening Group Helper's Guide (S) 


OTHER RESOURCES:

- ___ AG-FO-07616 Simple and Successful Vegetable Farming (in English)   
- ___ AG-FO-07474 Simple and Successful Vegetable Farming (in Spanish)   
- ___ AG-FO-07475 Simple and Successful Vegetable Farming (in Hmong)   
- ___ AG-FO-07619 Simple and Successful Vegetable Farming: How to Pick, Store and Sell the Vegetables You Grow (in English)   
- ___ AG-FO-07479 Simple and Successful Vegetable Farming: How to Pick, Store and Sell the Vegetables You Grow (in Hmong)   
- ___ AG-FO-07484 Simple and Successful Vegetable Farming: How

to Pick, Store and Sell the Vegetables You Grow (in Spanish)   

- ___ AG-FO-07618 Simple and Successful Vegetable Farming: How to Sell Your Crops: Marketing (in English)   
- ___ AG-FO-07480 Simple and Successful Vegetable Farming: How to Sell Your Crops: Marketing (in Hmong)   
- ___ AG-FO-07485 Simple and Successful Vegetable Farming: How to Sell Your Crops: Marketing (in Spanish)   
- ___ AG-FO-07620 Simple and Successful Vegetable Farming: How to Keep Your Soil Healthy (in English)   
- ___ AG-FO-07486 Simple and Successful Vegetable Farming: How to Keep Your Soil Healthy (in Spanish)   
- ___ AG-FO-07481 Simple and Successful Vegetable Farming: How to Keep Your Soil Healthy (in Hmong)   
- ___ AG-FO-07617 Simple and Successful Vegetable Farming: How to Protect Your Crops from Pests (in English)   
- ___ AG-FO-07482 Simple and Successful Vegetable Farming: How to Protect Your Crops from Pests (in Hmong)   
- ___ AG-FO-07487 Simple and Successful Vegetable Farming: How to Protect Your Crops from Pests (in Spanish)   
- ___ AG-FS-01155 Parasitic Diseases of Tomato (97) (A)   
- ___ AG-FS-01158 Fungicides for the Home Garden (97) (A)   
- ___ AG-FS-01170 Bacterial Leaf Diseases of Foliage Plants (97) (A)   
- ___ AG-FS-00431 Growing Vine Crops (A)   
- ___ AG-FS-00434 Growing Salad Vegetable Crops (A)   
- ___ AG-FS-01028 Protecting Honey Bees from Insecticides (A)   
- ___ AG-FS-01427 Controlling Diseases in the Home Vegetable Garden (A)   
- ___ AG-FS-01422 Planting the Vegetable Garden (A)   
- ___ AG-FS-01424 Harvesting and Storing Garden Vegetables (A)   
- ___ AG-FS-01167 Damping-off of Seedlings (A)   
- ___ AG-FS-01169 Diseases of Cole Crops (A)   
- ___ AG-FS-01172 Diseases of Cucurbits (A)   
- ___ AG-FS-01156 Nonparasitic Disorders of Tomatoes (A)   
- ___ AG-FS-01168 Tomato-Tobacco Mosaic Virus Disease (A)   
- ___ AG-FO-01425 Suggested Vegetable Varieties for Home Gardeners in Minnesota (B)   
- ___ AG-FS-03899 Backyard Composting (A)   
- ___ AG-FO-02412 Disease-Resistant Vegetable Varieties (C)   
- ___ NR-FO-07502 Tough Trees and Shrubs for Tough Sites   
- ___ AG-CS-07525 Plant Elements of Design, A Plant Selection Program   
- ___ AG-FO-07552 Low Input Lawn Care   
- ___ AG-FO-07563 Forest Tent Caterpillars in Minnesota   
- ___ AG-FS-07561 Slugs in the Home Garden   

AUDIOVISUAL MATERIALS:

- ___ 4HCCS-CD-07732 Lessons and More CD. See full description on page 9. 

A large number of videos from the Minnesota Gardening TV series are available for rental. Consult the Distribution Center Catalog of Educational Materials in your County Extension Office for topic titles and item numbers.

...get
yours
today!



Print from University of Minnesota Extension Service
www.extension.umn.edu/units/dc



Print from Center for 4H Youth Development
www.mn4H.org



Order from National 4-H Cooperative
Curriculum System www.n4hccs.org




Order from University of Minnesota Extension Service
www.extension.umn.edu/units/dc

OTHER LEARNING OPPORTUNITIES

SELF-DETERMINED

81000

Member develops a project on his or her own, if what he or she wants to study, do, or make is not included in the listed projects. Member takes initiative to set goals, develop own record, and describe the progress and accomplishments. For ages 13 and older.

Self-Determined PLUS Sheets, an introduction to the Self-Determined Project and a list of available resources. Contact your local Extension Office for a copy. 

OTHER RESOURCES:

4-Wheelin' Physics Fun. A 25-page publication that covers nine physical science concepts involving activities and experiments using a radio-controlled pickup. From University of Nebraska, Cooperative Extension. (455) (99)

Astronomy – It's Out of This World (132LM1). A 1995 Leader/Member Guide, Member Evaluation and 8 activities for ages 8-12. Order from Cornell University Media Services Resource Center, 8BTP, Ithaca, NY 14850; \$8.95. (99)






Field of Genes – Making Sense of Biotechnology in Agriculture. 1997. Grades K-12. 108 pages. Includes experiential activities; intended for volunteer leaders and teachers who want to help children and young adults learn how genetically engineered products are created and understand the impact that these products may have on agricultural production and the environment. Order item ES0046 from National 4-H Supply Service, 7100 Connecticut Ave., Chevy Chase, MD 20815, phone 301-961-2934. \$5. (98)

CLOVERBUDS ... AN EXPLORATORY 4-H PROGRAM

CLOVERBUDS

91000

ACTIVITY RESOURCES:

- ___ 4H-MI-05562 Cloverbuds, a 4-H Discovery Program, Program Record (B) 
- ___ 4H-MI-05561 Cloverbuds, a 4-H Discovery Program, Activity Sheets for Six to Eight Year Olds (F) 
- ___ 4H-MI-05563 Cloverbuds, a 4-H Discovery Program, Participation Summary (A) 
- ___ 4H-MI-05560 Cloverbuds, a 4-H Discovery Program for Six to Eight Year Olds (S) 
- ___ 4H-MI-07575 Cloverbud Activities Package Member Guide: 100 Activities for Children Requiring Little or No Supplies (00) 






LEADER MATERIAL:

K-3rd Grade Youth Program. The kit includes leader's information on learning theory; leading a children's community club; group activity guides: Bugs, Birds, Community Unity, Clothing. North Carolina Cooperative Extension System, North Carolina A & T State University, P.O. Box 21928, Greensboro, NC 27420-1928, phone 336-334-7956, (01). www.ag.ncat.edu/extension/programs/kto3/index.htm

Lawn Ranger: Lawn and Garden Safety Education Program. A kit including Leader's Guide, signs and stickers provides activities for teens and adults teaching children, ages 5-9, how to stay safe around yard tools and machines. National 4-H Council, 7100 Connecticut Ave., Chevy Chase, MD 20815-4999, phone 301-961-2800, info@fourhcouncil.edu. (01)

OTHER MATERIAL:

The following material is for grades K-3

- ___ 4HCCS-BU-06350 Exploring Farm Animals (S) 
- ___ 4HCCS-BU-06842 Aerospace I Pre-Flight 
- ___ 4HCCS-BU-08075 Growing on My Own 
- ___ 4HCCS-BU-06870 Journey Into the Imagination 
- ___ 4HCCS-MI-06880 Wild Over Work Helper's Guide 

...get yours today!



Print from University of Minnesota Extension Service
www.extension.umn.edu/units/dc



Order from National 4-H Cooperative Curriculum System www.n4hccs.org



Print from Center for 4H Youth Development
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