


GALE WOODS FARM CURRICULUM DIRECTORY

*A Directory of Sustainable Agriculture Curriculum and
Recommendations for 4 onsite learning units .*



This project was funded by the Center for Urban and Regional Affairs' Community Assistantship Program. There is an additional CD-ROM component to this project which contains a searchable Access Database that includes all the curriculum listed inside.



Gale Woods Farm is part of the Three Rivers Park District. Situated on 410 Acres in Minnetrista, Minnesota the park features a working educational farm, access to Whaletail Lake, a picnic pavilion and numerous cross country trails. Gale Woods is focused on connecting people to the source of their food on a small diverse farm that uses sustainable, contemporary farming methods. Programs can be adapted for a variety of different ages and can be scheduled for a half day, full-day or multi-day experience.

The farm includes a production scale Community Supported Agriculture garden, a teaching garden, teaching and learning barn, and numerous pastures for grazing Galloway cattle, Border Leicester, Finn, and Clun Forest sheep, a Great Pryenees sheep-guarding-dog, and both egg-laying and meat chickens. The farm provides opportunities for visitors of all ages to enjoy experiences that enhance their understanding of agriculture, food production and land stewardship.

For more information contact:

Gale Woods Farm
763-694-2001
7210 County Road 110 W.
Minnetrista, MN 55364
www.galewoodsfarm.org

Directions to Gale Woods Farm:

From I-494, go west on I-394/Highway 12 for four miles. Exit on County 15 West in Wayzata and travel eight miles. Turn left in Mound on County Rd 110, then travel three miles and look for Gale Woods park signs. Turn right at driveway and proceed up the hill into the park.

From Highway 7 and County Rd 44 (Lake Minnetonka Regional Park), head north on County Road 44 to Mound; turn Left on County Rd 110, then travel one mile and turn right at Gale Woods driveway and proceed up the hill into the park.



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Directory of Sustainable Agriculture Curriculum for grades K–12

Title: **A guide to Food and Fiber Systems Literacy**

Publication date: 1998

Description: A 250 Page compendium of standards, benchmarks, and instructional materials for grades k-12. It includes suggestions for implementing food and fiber systems literacy education in schools. Additionally, the Guide contains a narrative explanation of the themes and standards, outlining what a high school graduate should know to be agriculturally literate.

Format: Outlines Themes, Standards and Benchmarks, then has example lesson plans listed by age group.

Web Site: http://food_fiber.okstate.edu

Order from: James Leising
Food & Fiber Systems Literacy
Department of Agriculture Education
Communications & 4-H Youth Development
448 Agricultural Hall Oklahoma State University
Stillwater, OK 74078
Phone: (405) 744-8036 Fax: (405) 744-5176

Cost: \$25.00

Curriculum List Source: None

Detailed information in this publication? Yes

Curriculum Includes:

FFSL050	Colors on the Farm					p 50
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	K-1
FFSL054	Where is Agriculture?					p 54
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	K-1
FFSL058	Egg Maze: Counting by Twos, Threes and Fives					p 58
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	K-1
FFSL063	Don't Tread on Me					p 63
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	K-1
FFSL065	Plants Love Air					p 65
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	K-1
FFSL067	Powerful Potato					p 67
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	K-1
FFSL069	Ready, Set, Plant					p 69
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	K-1
FFSL072	Walk, Don't Run					p 72
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	K-1
FFSL074	The Texture of Timber					p 74
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	K-1
FFSL076	Weaving Wool					p 76
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	K-1
FFSL080	Build a Burger					p 80
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	2-3



Listings for: A guide to Food and Fiber Systems Literacy (continued)

FFSL083	My Farm Friend					p 83
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 2-3	
FFSL085	Who Cares for The Land					p 85
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 2-3	
FFSL090	The Fable of the Fainting Goats					p 90
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 2-3	
FFSL094	The Paper Chase					p 94
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 2-3	
FFSL097	Pizza Parts					p 97
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 2-3	
FFSL099	Snack Sack					p 99
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 2-3	
FFSL102	Common Kinds of Insects					p 102
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 2-3	
FFSL104	Losing Ground					p 104
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 2-3	
FFSL107	Tin Can Treat					p 107
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 2-3	
FFSL110	The Wonderful Water Cycle					p 110
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 2-3	
FFSL113	Worm Watching					p 113
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 2-3	
FFSL116	What Does Ag Have to Do with Me?					p 116
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 2-3	
FFSL121	Where's the Beef?					p 121
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 2-3	
FFSL126	A Day Without Ag					p 126
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 4-5	
FFSL130	Let Your Fingers Do the Walking					p 130
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 4-5	
FFSL133	Writing the Wind					p 133
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 4-5	
FFSL136	By the Pound					p 136
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 4-5	
FFSL140	Calorie Countdown					p 140
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 4-5	
FFSL145	Get the Point!					p 145
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 4-5	
FFSL149	Save our Soil					p 149
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 4-5	
FFSL153	Bread in a Bag					p 153
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 4-5	

Listings for: A guide to Food and Fiber Systems Literacy (continued)

FFSL156	Hold on to that Water					p 156
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	4-5
FFSL159	From Marshmallows to Medicine					p 159
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	4-5
FFSL163	Weeds on the Windowsill					p 163
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	4-5
FFSL167	Ride the Wild Leaf Cycle					p 167
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	4-5
FFSL171	Timeline of the Land					p 171
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	4-5
FFSL179	Just a Matter of Time					p 179
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	4-5
FFSL185	Capital for Cookies					p 185
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	4-5
FFSL188	Blowing in the Wind					p 188
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	4-5
FFSL191	How Safe Is Our Food?					p 191
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	4-5
FFSL194	On the Lookout for Labels					p 194
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	4-5
FFSL198	The Farmer Cares for the Land					p 198
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	6-8
FFSL208	Pecking Out Ratios					p 208
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	6-8
FFSL212	A Growing Market					p 212
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	6-8
FFSL214	A Priceless Collection					p 214
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	6-8
FFSL220	A Tough Nut to Crack					p 220
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	6-8
FFSL224	Compare Soils by Growing Plants					p 224
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	6-8
FFSL228	Fat Follies					p 228
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	6-8
FFSL232	Why Are People Hungry?					p 232
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	6-8
FFSL235	A Lot of This for A Little of That					p 235
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	6-8
FFSL241	At Your Fingertips					p 241
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	6-8
FFSL244	Land-Grant Colleges					p 244
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	6-8

Listings for: A guide to Food and Fiber Systems Literacy (continued)

FFSL250	Trader's Game					p 250
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	6-8
FFSL260	What's Organic?					p 206
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	6-8

Title: **Ag & U**
Publication date: Unknown
Description: A bunch of individual lessons / activities for students.
Format: 8 lessons / activities
Web Site: None
Order from: Susan Anderson sandband@rconnect.com, 507-752-7372
Cost: \$0.00
Curriculum List Source: Susan Anderson's Informal List

Detailed information in this publication? Yes

Curriculum Includes:

BC	Bouncing Corn				
	Background Information?:	No	Activity Included?:	Yes	Grade Level: K-12
GG	Garden in a Glove				
	Background Information?:	No	Activity Included?:	Yes	Grade Level: K-12
GSB	Germination of Soy Boy				
	Background Information?:	No	Activity Included?:	Yes	Grade Level: K-12
ICIB	Ice Cream in a Bag				
	Background Information?:	No	Activity Included?:	Yes	Grade Level: K-12
MMM	Mammals, Milk and Math				
	Background Information?:	No	Activity Included?:	Yes	Grade Level: 3-12
SB	Soil Baby				
	Background Information?:	No	Activity Included?:	Yes	Grade Level: K-12
SS	Seed Swapping				
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 1-5
TG	The Trading Game				
	Background Information?:	No	Activity Included?:	Yes	Grade Level: K-12



Curriculum Listings Continued:

Title: **Eagle Bluff: Sustainable Agriculture**
Publication date: July 2001
Description: Single Day curriculum on sustainable agriculture from Eagle Bluff
Format: Lesson plan
Web Site: <http://www.eagle-bluff.org/>
Order from: On website.
Cost: \$0.00
Curriculum List Source: The Food System: Building Youth Awareness through Involvement

Detailed information in this publication? Yes

Curriculum Includes:

EB1	History of Agriculture					Web Site
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 4-12	
EB2	Meet what you eat					Web Site
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 4-12	
EB3	Common Farming Methods					Web Site
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 4-12	
EB4	Natural Resources and Agriculture					Web Site
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 4-12	
EB5	Sustainable Garden					Web Site
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 4-12	

Title: **Early Loggers in Minnesota books, by J.C. Ryan**
Publication date: Unknown
Description: Enjoy firsthand recollections by storyteller "Buzz" Ryan of the loggers, loaders, swampers, wood butchers and bull cooks who ruled the woods in the heyday of the pioneer lumberjacks — with dozens of historical photos in each volume.
Format: Four Volumes each costs \$8.50
Web Site: http://www.minnesotaforests.com/Orders/Orders_Index.asp
Order from: Website
Cost: \$8.50
Curriculum List Source: Minnesota's Forests

Detailed information in this publication? No



Curriculum Listings Continued:

Title: **French Fries and The Food System: A year-round curriculum youth with farming and food**

Publication date: 2000

Description: A publication of the food project.

Format: This book is divided into four sections (Fall, Winter, Spring and Summer) with background information, activities and lessons.

Web Site: www.thefoodproject.org

Order from: Website or contact:
The Food Project
P.O. Box 705
Lincoln, Massachusetts 01773
Phone: 781-259-8621

Cost: \$18.00

Curriculum List Source: None

Detailed information in this publication? Yes

Curriculum Includes:

FF018	Garden Sensory Observations					p 18
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 7-12	
FF020	Field Mapping					p 20
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 7-12	
FF021	Rocks to People					p 21
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 7-12	
FF024	From Seed to Zucchini					p 24
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 7-12	
FF027	Tara and Her Pile					p 27
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 7-12	
FF030	Family Compost Feud					p 30
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 7-12	
FF033	Don't Stop Composting					p 33
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 7-12	
FF034	The Great Insect Exploration					p 34
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 7-12	
FF038	Create Your Farm					p 38
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 7-12	
FF040	Neighborhood Road Races					p 40
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 7-12	
FF044	Trace the French Fry: An introduction to the Food System					p 44
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 7-12	
FF056	Final Food System Debate					p 56
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 7-12	

Listings for: French Fries and the Food System (continued)

FF064	We Are Family					p 64
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 7-12	
FF084	A Winter Farm Exploration					p 84
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 7-12	
FF092	Garden / Farm Planning Unit					p 92
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 7-12	
FF098	Landscape Design Unit					p 98
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 7-12	
FF113	No Tomato Sauce 'til 1492					p 113
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 7-12	
FF116	The Pesticide Banquet					p 116
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 7-12	
FF119	The Great Soil Puzzle					p 119
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 7-12	

Title: **From Ground Up: Sustainable Agriculture Teachers Guide**

Publication date: 1994

Description: Green and Growing Environmental Education Projects. Online resource with related lessons; accompanying video and hardcopy teacher's guide are available.

Format: 5 lesson plans, bibliography, resource guide, and internet links accompanying half-hour video. Primarily for use with Junior and Senior High School students.

Web Site: <http://www.gatewest.net/~green>

Order from: Green & Growing website: <http://www.gatewest.net/~green>

Cost: \$0.00

Curriculum List Source: ATTRA: Sustainable Agriculture Curricula: K-12

Detailed information in this publication? Yes

Curriculum Includes:

FGUL1	A brief Agricultural and Historical Perspective with a Definition of Sustainable Development					Lesson 1
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 7-12	
FGUL2	A Key Agricultural Resource					Lesson 2
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 7-12	
FGUL3	Agriculture and Chemicals					Lesson 3
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 7-12	
FGUL4	What is the Real Cost of Food?					Lesson 4
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 7-12	
FGUL5	Everything is Connected					Lesson 5
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 7-12	



Curriculum Listings Continued:

- Title** **Getting Started: A Guide for Creating School Gardens as Outdoor Classrooms**
- Publication date:** Unknown
- Description:** A step-by-step guide for creating a healthy, productive garden that serves as an educational environment for students. 52 pages.
- Format:** Unknown
- Web Site:** <http://www.ecoliteracy.org/pages/publications.html>
- Order From:** Food Systems Project, A project of the Center for Ecoliteracy <http://www.ecoliteracy.org/pages/publications.html>
- Cost:** \$8.95
- Curriculum List Source:** Sustainable Agriculture Resources for Teachers, K-12
- Detailed information in this publication?** No
-
- Title:** **Green Means Series**
- Publication date:** Unknown
- Description:** "KQED-TV 9's popular series of upbeat, short stories about ordinary people whose lifestyles and activities are making positive contributions to the environment".
- Format:** Short 5 minute video clips of stories on all different aspects of sustainability.
- Web Site:** <http://gm.kqed.org/menu.html>
- Order from:** www.envmedia.com
- Cost:** Free online or volumes 1 & 2 are available for \$59.95, and volume 3 is available for \$29.95.
- Curriculum List Source:** Sustainable Agriculture Resources for Teachers, K-12
- Detailed information in this publication?** No
-
- Title:** **IOWA SOARs (Sustaining our Agricultural Resources)**
- Publication date:** 2002
- Description:** 5 day curriculum that covers theory, experience, reflection, and activity.
Developed at Iowa State University by a partnership between Vision 2020, ISU Extension Sustainable Agriculture Program, and Practical Farmers of Iowa.
- Format:** Lesson Plans, includes activities, power point presentations, etc.
- Web Site:** <http://www.iastate.edu/~vision2020/iowaSOARs/>
- Order from:** <http://www.iastate.edu/~vision2020/iowaSOARs/>
Phone: 515-294-2698
Email: sorngard@iastate.edu
- Cost:** \$0.00
- Curriculum List Source:** The Food System: Building Youth Awareness through Involvement



Listings for: IOWA SOARs (continued)

Detailed information in this publication? Yes

Curriculum Includes:

IASD1	What makes agriculture sustainable?					Day 1
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 10-12	
IASD2	Thinking about the big picture, or the "system"					Day 2
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 10-12	
IASD3	Sustainability in Action					Day 3
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 10-12	
IASD4	Reflecting and Creating					Day 4
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 10-12	
IASD5	Sharing out Sustainable Projects					Day 5
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 10-12	

Title: **IPM Curriculum for Grades 9-12.**
Publication date: Unknown
Description: 200 page IPM Curriculum for High School Students
Format: Unknown
Web Site: <http://www.birc.org>
Order from: Web Site
Cost: \$28.50
Curriculum List Source: Sustainable Agriculture Resources for Teachers, K-12

Detailed information in this publication? No

Title: **IPM for Schools--A How-To Manual**
Publication date: unknown
Description: Across the country, more and more school districts are converting to integrated pest management (IPM). When a school has an active IPM program, children, teachers and school personnel are exposed to fewer toxic pesticide sprays. Included in the 19 chapters are specific IPM programs for ants, cockroaches, clothes moths, carpet beetles, fleas, flies, head lice, rats, mice, scorpions, silverfish, spiders, and yellow jackets.
Format: unknown
Web Site: <http://www.birc.org>
Order from: Web Site
Cost: \$50.00
Curriculum List Source: Sustainable Agriculture Resources for Teachers, K-12

Detailed information in this publication? No



Listings for: A guide to Food and Fiber Systems Literacy (continued)

Title: **Kid's Gardening**
Publication date: Unknown
Description: Website full of resources, information and activities
Format: Teacher's room, Family room & Store
Web Site: <http://www.kidsgardening.com/teachers.asp>
Order from: Website
Cost: \$0.00
Curriculum List Source: Susan Anderson's Informal List

Detailed information in this publication? No

Curriculum Includes:

KG Kid's Gardening Website
Background Information?: Yes Activity Included?: Yes Grade Level: K-12

Title: **Minnesota Forest Facts Packet**
Publication date: Unknown
Description: Learn all about Minnesota's forests and forest products industry from this compendium of information that includes a full-color brochure, a large poster illustrating all the trees in Minnesota and much more!
Format: Unknown- fact sheets?
Web Site: http://www.minnesotaforests.com/Orders/Orders_Index.asp
Order from: Web site
Cost: \$0.00
Curriculum List Source: Minnesota's Forests

Detailed information in this publication? No

Curriculum Includes:

MFFP Minnesota Forest Facts Packet
Background Information?: No Activity Included?: No Grade Level: K-12

Title: **National Wildlife Federation: Grasslands**
Publication date: Unknown
Description: Gaze across a grassland, and its vastness may appear monotonous and simple. A closer look reveals a complex ecosystem that supports a great diversity of plants and wildlife.
Format: Background information, case studies and activities.
Web Site: www.nwf.org
Order from: www.nwf.org
Cost: \$9.95



Listings for: National Wildlife Federation Grasslands (continued)

Curriculum List Source: None

Detailed information in this publication? Yes

Curriculum Includes:

NWF1	The Incredible Prairie Picture Show					Activity 1
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	K-9
NWF2	Microclimate in the Schoolyard					Activity 2
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	K-9
NWF3	Survival Scavenger Hunt					Activity 3
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	K-9
NWF4	Prairie Chicken Pageant					Activity 4
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	K-9
NWF5	Bison Mystery Box					Activity 5
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	K-9
NWF6	The Early Settlers					Activity 6
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	K-9

Title: **Paper Making Kit**

Publication date: None

Description: The Papermaking Kit is an innovative, hands-on classroom project that involves students in the art of making paper. Each kit is capable of meeting the needs of a classroom of approximately 30 students.

Format: unknown

Web Site: http://www.minnesotaforests.com/Orders/Orders_Index.asp

Order from: Web site

Cost: \$8.00

Curriculum List Source: Minnesota's Forests

Detailed information in this publication? Yes

Curriculum Includes:

PMK	Paper Making Kit				
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:
					K-12

Title: **People and Forests Video**

Publication date: Unknown

Description: This 47-minute video, produced by the St. Louis County Land Department, describes how effective forest management creates a diverse forest for natural beauty, wildlife habitat, recreation and the supply of forest products.

Format: Video

Web Site: http://www.minnesotaforests.com/Orders/Orders_Index.asp

Order from: Web site



Listings for: People and Forests video (continued)

Cost: \$5.00

Curriculum List Source: Minnesota's Forests

Detailed information in this publication? Yes

Curriculum Includes:

PFV	People and Forests				
	Background Information?:	No	Activity Included?:	No	Grade Level: K-12

Title: **Puck's Farm, Schomberg, Ontario, Canada**

Publication date: Unknown

Description: Teacher's guide contains background information and lots of various activities: writing, research, math, art, drama, recipes and ask the farmer.

Format: Projects, some background info.

Web Site: <http://www.pucksfarm.com>

Order from: <http://www.pucksfarm.com>

Cost: \$0.00

Curriculum List Source: ATTRA: Sustainable Agriculture Curricula: K-12

Detailed information in this publication? Yes

Curriculum Includes:

PF1	Research Project: Spinning and Weaving				Web Site
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 4-8
PF2	Math Projects: Planting and Harvesting				Web Site
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 4-8

Title: **Resources for Learning: Food Land & People**

Publication date: January 1998

Description: Project Food, Land & People promotes approaches to learning to help people better understand the interrelationships among agriculture, the environment and people of the world.

Format: 45 Lessons and background information

Web Site: <http://www.foodlandpeople.org/>

Order from: Project Food, Land & People
 1990 N. Alma School Road, #136
 Chandler, AZ 85224
 Phone: (602) 963-7959
<http://www.foodlandpeople.org/>

Cost: \$56.25

Curriculum List Source: None

Detailed information in this publication? Yes



Listings for: Resources for Learning: Food, Land and People (continued)

Curriculum Includes:

FLP001	The Plant-n-Me					p 1
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: K-3	
FLP005	Seed Surprises					p 5
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: K-3	
FLP009	Fruits and Veggies					p 9
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: K-3	
FLP017	School ground Caretakers					p 17
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: K-4	
FLP023	Let's Celebrate					p 23
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: K-6	
FLP033	Seasons through the Year					p 33
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: K-6	
FLP039	Tomatoes to Ketchup, Chickens to Omelets					p 39
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: K-6	
FLP047	We're into Pumpkins					p 47
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: K-6	
FLP057	Don't Use It All Up!					p 57
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: K-12	
FLP065	Germ Busters					p 65
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: K-12	
FLP075	Lunchtime Favorites					p 75
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: K-12	
FLP081	Trash Bashing					p 81
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 1-12	
FLP091	Root Root for Life					p 91
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 2-6	
FLP103	Buzzy Buzzy Bee					p 103
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 2-7	
FLP111	From Apple Cores to Healthy Soil					p 111
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 2-8	
FLP121	Perc Through the Pores					p 121
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 3-6	
FLP129	Banking on Seeds					p 129
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 4-7	
FLP139	"Could It Be Something They Ate?"					p 139
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 3-8	
FLP151	Tree-mendous					p 151
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 3-8	
FLP159	Expression Connection					p 159
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 3-12	

Listings for: Resources for Learning: Food, Land and People (continued)

FLP169	Gala Fiesta Jamboree					p 169
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	3-12
FLP181	Investigating Insects					p 181
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	3-12
FLP193	Your Schoolyard! Through New Eyes					p 193
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	3-12
FLP203	Gifts from the Sun					p 203
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	4-8
FLP213	Till We or Won't We					p 213
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	4-9
FLP225	Breads Around the World					p 225
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	4-12
FLP241	By the Way					p 241
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	4-12
FLP247	Cleared for Takeoff!					p 247
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	4-12
FLP261	From Fiber to Fashion					p 261
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	4-12
FLP273	It All Starts with A					p 273
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	4-12
FLP285	Less Elbow Room					p 285
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	4-12
FLP291	Nail by Nail, Board by Board					p 291
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	4-12
FLP299	Step by Step					p 299
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	4-12
FLP307	What's the Shape of your Diet?					p 307
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	4-12
FLP323	Calorie Counting					p 323
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	6-9
FLP337	What Will the Land Support?					p 337
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	5-12
FLP351	To Whom It May Concern					p 351
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	7-12
FLP367	Almost Six Billion and Still Growing!					p 367
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	7-12
FLP379	Piecing Together Population Patterns					p 379
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	8-12
FLP395	Cows or Condos?					p 395
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	9-12
FLP409	Choosey Choices					p 409
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	K-4



Listings for: Resources for Learning: Food, Land and People (continued)

FLP427	Feed the Need					p 427
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	3-12
FLP441	Amazing Grazing					p 441
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	4-6
FLP459	In Harmony					p 459
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	4-6
FLP469	From Sea to Shining Sea					p 469
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	4-9
FLP483	Be Label Able					p 483
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	4-12
FLP499	What Piece of the Pie?					p 499
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	4-12
FLP517	Why I Buy					p 517
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	4-12
FLP527	Global Grocery Bags					p 527
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	5-12
FLP547	Soil's Not Trivial					p 547
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	5-12
FLP561	Go, Go H2O					p 561
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	6-8
FLP571	Loco for Cocoa					p 571
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	6-12
FLP591	Mighty Macros					p 591
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	6-12
FLP611	Trading Favorites					p 611
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	7-12
FLP625	Managing Pests					p 625
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	8-12

Title: **River-Friendly Farmer instructional Materials: A Project dedicated to keeping the future of the rivers of Minnesota bright!**

Publication date: 2001

Description: This Project was sponsored by the Minnesota Alliance for Conservation and Resource Management in coordination with the University of Minnesota Extension Service and the University of Minnesota's College of Agricultural, Food and Environmental Sciences, Division of Agricultural, Food and Environmental Education.

Format: Background information, Lessons, Activities and Assessment

Web Site: None

Order from: Minnesota Pollution Control Agency 520 Lafayette Road St. Paul, MN 55155-4194
(612) 296-6300 (VOICE)

Cost: \$0.00



Listings for: River Friendly Farmer (continued)

Curriculum List Source: None

Detailed information in this publication? Yes

Curriculum Includes:

RFF6	Crop Nutrient Management					Section 6
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 10-12	
RFF7	Erosion Control					Section 7
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 10-12	
RFF8	Weed and Pest Control					Section 8
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 10-12	
RFF9	Conservation Buffers					Section 9
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 10-12	

Title: **Science and Our Food Supply**

Publication date: None

Description: What captures the interest of students? FOOD! Yes, food can be used to engage students in inquiry-based science — really! The Food and Drug Administration (FDA) in collaboration with the National Science Teachers Association (NSTA) have created Science and Our Food Supply, an innovative, interactive supplementary curriculum for use in middle level and high school science classes. An advisory board of experienced teachers just like you developed and tested the materials.

Format: Teacher's guide, interactive video & reference guide

Web Site: <http://www.cfsan.fda.gov/~dms/tchcuric.html>

Order from: Online or Contact:
 The National Science Teachers Association
 Science And Our Food Supply
 1840 Wilson Boulevard
 Arlington, VA 22201
 Fax: 703-522-5413

Cost: \$0.00

Curriculum List Source: Susan Anderson's Informal List

Detailed information in this publication? No

Title: **Sustainable Agriculture and Wildlife: Piecing Together a Habitat Puzzle Curriculum**

Publication date: 1992

Description: For educators visiting a residential environmental education site or other sustainable agriculture site.

Format: Pre, Post and on site Activities for Wildlife, Water and Soil.

Web Site: none

Order from: IA State Publication Distribution Office,
 Printing / Publications Bldg.



Listings for: Sustainable Agriculture and Wildlife (continued)

Iowa State University
 Ames, IA 5001
 Phone: (515) 294-5247

Cost \$10.00

Curriculum List Source: ATTRA: Sustainable Agriculture Curricula: K-12

Detailed information in this publication? Yes

Curriculum Includes:

SAW079	Wildlife Activities					p 79
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	4-8
SAW105	Integrated Pest Management Activities					p 105
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	4-12
SAW113	Pasture Activities					p 113
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	7-12
SAW129	Prairie Activities					p 129
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	4-12
SAW151	Roadside Activities					p 151
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	4-12
SAW157	Upland Habitat Activities					p 157
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	4-6
SAW163	Wetland Activities					p 163
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	4-12
SAW187	Woodlot Activities					p 187
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	4-12
SAW207	Pond Activities					p 207
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	4-12
SAW229	Water Quality Activities					p 229
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	4-12
SAW243	Soil Activities					p 243
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	7-12

Title: Sustainable Food Systems Curriculum

Publication date: Jan 2000

Description: Created by Northland Food and Farming Initiative, a project of the University of Minnesota Northeast Region Sustainable Development Partnership, established by the U of M College of Agricultural, Food and Environmental Sciences, the College of Natural Resources and the U of M Extension Service. Mission: "to build awareness of sustainable food and farming issues by providing hands-on, passionate, farmer to student curriculum".

Format: Ten lesson plans that include: classroom set-up, introduction, activities, and conclusion for each lesson.

Web Site: www.regionalpartnerships.umn.edu/northeast



Listings for: Sustainable Food Systems Curriculum (continued)

Order from: Curriculum Director
 5879 Nikolai Road
 Finland, MN 55603
 Phone: (218) 353-7736
 abazs@lakenet.com

Cost: \$0.00

Curriculum List Source: None

Detailed information in this publication? Yes

Curriculum Includes:

SFSC01	Food Systems Introduction					Lesson 1
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 4-6	
SFSC02	Food History					Lesson 2
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 4-6	
SFSC03	Soils					Lesson 3
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 4-6	
SFSC04	Plants and Seeds					Lesson 4
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 4-6	
SFSC05	Bugs: Pests or Pals					Lesson 5
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 4-6	
SFSC06	Livestock					Lesson 6
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 4-6	
SFSC07	The Lifecycle of Fresh Food					Lesson 7
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 4-6	
SFSC08	Sustainable Choices					Lesson 8
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 4-6	
SFSC09	Farm Visit					Lesson 9
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 4-6	
SFSC10	Food Celebration					Lesson 10
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 4-6	

Title: **Sustaining Minnesota Forest Resources Guide**

Publication date: Unknown

Description: Minnesota Forest Resources Council's comprehensive forest management guidelines for landowners, loggers and resource managers who share responsibility to make informed decisions about forest use and sustainability.

Format: Unknown

Web Site: http://www.minnesotaforests.com/Orders/Orders_Index.asp

Order from: Website

Cost: \$0.00

Curriculum List Source: Minnesota's Forests



Listings for: Sustaining Minnesota Forest Resources Guide (continued)

Detailed information in this publication? Yes

Curriculum Includes:

SMFR **Sustaining Minnesota Forest Resources Guide**

Background Information?: No Activity Included?: No Grade Level: K-12

Title: **The Common Roots Guidebooks: Hands-on, Hearts-on Seasonal Stories, Projects and Activities for the Curious Child**

Publication date: 1995

Description: "The Common Roots Guidebooks are designed for teachers, parents and community members to help create a living curriculum for children that integrates the human and ecological roots of their community."

Format: The series, including The Three Sisters Garden, Exploring the Secrets of Meadow Thicket, Exploring the Forest With Grandfather Tree and The Wonderful World of Wiggles, offers hands-on learning activities focused on building a common future (K-6). Each book is individually priced between \$18.95 & \$24.95.

Web Site: www.acsu.k12.vt.us/ROOTSNet.html/books.html

Order from: Food Works
64 Main Street
Montpelier VT 05602
Phone: 802-223-1515,
Fax: 802-223-8980
Email: RootsNet@plainfield.bypass.com
URL: www.acsu.k12.vt.us/ROOTSNet.html/books.html

Cost: \$18.95

Curriculum List Source: Sustainable Agriculture Resources for Teachers, K-12

Detailed information in this publication? No

Title: **The Edible Schoolyard**

Publication date: Unknown

Description: The Edible Schoolyard guides the reader through the challenges of starting an innovative garden project within the framework of a public school. Authors include Fritjof Capra, Alice Waters, Wes Jackson, as well as Edible Schoolyard staff and faculty. Black-and-white photographs offer vivid visual moments of the joy of learning in the real world. 92 pages

Format: Unknown

Web Site: <http://www.ecoliteracy.org/pages/publications.html>

Order from: Food Systems Project
A project of the Center for Ecoliteracy
<http://www.ecoliteracy.org/pages/publications.html>

Cost: \$11.95

Curriculum List Source: Sustainable Agriculture Resources for Teachers, K-12

Detailed information in this publication? No



Curriculum Listings Continued:

Title: *The Food System: Building Youth Awareness though Involvement; A guidebook for educators, parents, and community leaders.*

Publication date 1999

Description: Written by Alison Harmon, Rance Harmon, Audrey Maretzki

Format: Chapters laid out with background info, discussion questions, activities, references, resources (with curriculum, books and organizations).

Web Site: <http://pubs.cas.psu.edu/Pubs/agrs79.html>

Order from: The Pennsylvania State University College of Agricultural Sciences.
Audrey N. Maretzki, Professor of Food Science and Nutrition Food Science Department
Pennsylvania State University
205 Borland Laboratory
University Park, PA 16802
Phone: (814) 863-4751
Email: anm1@psu.edu

Cost: \$15.00

Curriculum List Source: Sustainable Agriculture Resources for Teachers, K-12

Detailed information in this publication? Yes

Curriculum Includes:

TFS1	The Food System: An introduction					Chapter 1
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 7-12	
TFS2	Food System Inputs					Chapter 2
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 7-12	
TFS3	Food Production					Chapter 3
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 7-12	
TFS5	Distribution: The Global Movement of Food					Chapter 5
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 7-12	
TFS6	Food Access					Chapter 6
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 7-12	
TFS7	Food Consumption					Chapter 7
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 7-12	
TFS8	Food System Outputs: Completing the Cycle					Chapter 8
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 7-12	
TFS9	Sustaining the Local Food Supply					Chapter 9
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level: 7-12	



Curriculum Listings Continued:

Title: **Toward A Sustainable Agriculture: A Teacher's Guide**

Publication date: 1991

Description: Sustainable Agriculture Curriculum Project sponsored by: Center for Integrated Agricultural Systems, School of Natural Resources, College of Agriculture and Life Sciences, University of Wisconsin- Madison, Wisconsin Rural Development Center. Includes: Teacher's guide, Resource List, and Lessons for Teaching Sustainable Agriculture.

Format: Includes reference sections, instructional unit and learning activities

Web Site: <http://www.wisc.edu/cias/pubs/curricul.html>

Order from: CIAS, University of Wisconsin- Madison
 1450 Linden Drive, Rm. 146
 Madison, WI 53706-1562
 Contact: Chris Carusi (608) 262-8018
 Email: cecarusi@facstaff.wisc.edu
 Contact: Trish Haza (608) 262-5200 (for info on payment options).

Cost: \$15.00

Curriculum List Source: ATTRA: Sustainable Agriculture Curricula: K-12

Detailed information in this publication? Yes

Curriculum Includes:

TASALA01	Composting					Learning Activity 1
	Background Information?:	No	Activity Included?:	Yes	Grade Level:	10-12
TASALA02	Nitrate Leaching					Learning Activity 2
	Background Information?:	No	Activity Included?:	Yes	Grade Level:	10-12
TASALA03	Role playing a Congressional Debate over Pesticide Policy					Learning Activity 3
	Background Information?:	No	Activity Included?:	Yes	Grade Level:	10-12
TASALA04	Alternative Marketing and Marketing Alternative Products					Learning Activity 4
	Background Information?:	No	Activity Included?:	Yes	Grade Level:	10-12
TASALA05	Sustainable Agriculture On-farm Research and Demonstrations					Learning Activity 5
	Background Information?:	No	Activity Included?:	Yes	Grade Level:	10-12
TASALA06	Weed Management Lab					Learning Activity 6
	Background Information?:	No	Activity Included?:	Yes	Grade Level:	10-12
TASALA07	Insect Pest Management Lab					Learning Activity 7
	Background Information?:	No	Activity Included?:	Yes	Grade Level:	10-12
TASALA08	Plant Disease					Learning Activity 8
	Background Information?:	No	Activity Included?:	Yes	Grade Level:	10-12
TASALA09	Career Compounds					Learning Activity 9
	Background Information?:	No	Activity Included?:	Yes	Grade Level:	10-12
TASALA10	Mapping Mania					Learning Activity 10
	Background Information?:	No	Activity Included?:	Yes	Grade Level:	10-12
TASALA11	Assembly and Adjustment of Front-mount Row Crop Cultivator					Learning Activity 11
	Background Information?:	No	Activity Included?:	Yes	Grade Level:	10-12
TASALA12	Ridge Tillage Lab					Learning Activity 12



Listings for: Sustaining Minnesota Forest Resources Guide (continued)

	Background Information?:	No	Activity Included?:	Yes	Grade Level:	10-12
TASALA13	Enterprise Selection					Learning Activity 13
	Background Information?:	No	Activity Included?:	Yes	Grade Level:	10-12
TASALA14	Conservation Tillage					Learning Activity 14
	Background Information?:	No	Activity Included?:	Yes	Grade Level:	10-12
TASALA15	Pesticide and Groundwater Protection Lab					Learning Activity 15
	Background Information?:	No	Activity Included?:	Yes	Grade Level:	10-12
TASALA16	Economic Impact of Sustainable Agriculture					Learning Activity 16
	Background Information?:	No	Activity Included?:	Yes	Grade Level:	10-12
TASALA17	Policies Affecting Farm Sustainability or Profitability					Learning Activity 17
	Background Information?:	No	Activity Included?:	Yes	Grade Level:	10-12
TASALA18	Career Opportunities in Sustainable Agriculture					Learning Activity 18
	Background Information?:	No	Activity Included?:	Yes	Grade Level:	10-12
TASALA19	Community Survey					Learning Activity 19
	Background Information?:	No	Activity Included?:	Yes	Grade Level:	10-12
TASALA20	Sustainable Agriculture Businesses					Learning Activity 20
	Background Information?:	No	Activity Included?:	Yes	Grade Level:	10-12
TASALA21	Moral and Ethical Issues in Agriculture					Learning Activity 21
	Background Information?:	No	Activity Included?:	Yes	Grade Level:	10-12
TASARS1	Introduction to Sustainable Agriculture					Reference section 1
	Background Information?:	Yes	Activity Included?:	No	Grade Level:	10-12
TASARS2	Sustainable Cropping and Livestock Systems					Reference section 2
	Background Information?:	Yes	Activity Included?:	No	Grade Level:	10-12
TASARS3	The Economics of Sustainable Agriculture					Reference section 3
	Background Information?:	Yes	Activity Included?:	No	Grade Level:	10-12
TASARS4	Alternative Agriculture Enterprises: New Ways to Sustainability					Reference section 4
	Background Information?:	Yes	Activity Included?:	No	Grade Level:	10-12
TASARS5	Public Policy Issues in Sustainable Agriculture					Reference section 5
	Background Information?:	Yes	Activity Included?:	No	Grade Level:	10-12
TASARS6	Ethics and Agriculture: Can Agriculture be Good					Reference section 6
	Background Information?:	Yes	Activity Included?:	No	Grade Level:	10-12
TASAS05	Reduced Chemical Weed Control					Supplement p 5
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	10-12
TASAS17	Non-chemical Pest Control					Supplement p 17
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	10-12
TASAS57	Production of Crops as Energy Sources					Supplement p 57
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	10-12
TASAS71	Environmentally Sound Alternative Crops					Supplement p 71
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	10-12
TASAS91	Bottle Biology					Supplement p 91
	Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	10-12



Curriculum Listings Continued:

Title: **Where would we be without wood? KIT**

Publication date: Unknown

Description: The "Where Would We Be Without WOOD Kit" is a fun, and easy-to-use Teachers' Guide that is filled with activity sheets, crossword puzzles, coloring pages, and True or False quizzes. Invaluable for the classroom, there's an illustrated guide to the trees of Minnesota.

Format: Unknown

Web Site: http://www.minnesotaforests.com/Orders/Orders_Index.asp

Order from: Web site

Cost: \$5.00

Curriculum List Source: Minnesota's Forests

Detailed information in this publication? Yes

Curriculum Includes:

WWWWK Where would we be without wood?

Background Information?:	Yes	Activity Included?:	Yes	Grade Level:	K-12
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APPENDIX 1. LISTS USED IN CREATING THE SUSTAINABLE AGRICULTURE CURRICULUM DIRECTORY

List Title **2003 Teacher Resource Guide: A Guide to Educational Materials About Agriculture**

Publication Date: 2003

Author: Pamela Emery

Organization: California Foundation for Agriculture in the Classroom

Web Site: www.cfaitc.org

Information on how to order this list:

California Foundation for Agriculture in the Classroom
2300 River Plaza Dr.
Sacramento, CA 95833-3293,
(916) 561-5625 & (800) 700-AITC,
email: cfaitc@cfbf.com, www.cfaitc.org

List Title **ATTRA: Sustainable Agriculture Curricula: K-12**

Publication Date: June 2002

Author: Katherine L. Adam

Organization: Appropriate Technology Transfer for Rural Areas

Web Site: www.attra.ncat.org

Information on how to order this list:

Available online.

List Title **Minnesota's Forests**

Publication Date: Unknown

Author: Source: Susan Anderson

Organization: Minnesota Forest Industries

Web Site: http://www.minnesotaforests.com/Orders/Orders_Index.asp

Information on how to order this list:

Available to order online: see website,
Minnesota Forest Industries
903 Medical Arts Building
324 West Superior Street
Duluth, MN 55802
(218) 722-5013



Appendix 1. Lists Used in Creating the Sustainable Agriculture Curriculum Directory (continued)

List Title **Susan Anderson's Informal List**

Publication Date: 1/17/04

Author: Susan Anderson

Organization: University of Minnesota

Web Site: none

Information on how to order this list:

sandband@rconnect.com, 507-752-7372

List Title **Sustainable Agriculture Resources for Teachers, K-12**

Publication Date: July 2002

Author: Mary V. Gold

Organization: National Agricultural Library: Agricultural Research Service, US Dept. of Ag

Web Site: http://www.nal.usda.gov/afsic/AFSIC_pubs/k-12.htm

Information on how to order this list:

Available on line

List Title **The Food System: Building Youth Awareness through Involvement; A guidebook for educators, parents and community leaders.**

Publication Date: Unknown

Author: Alison Harmon, Rance Harmon and Audrey Maretzki

Organization: Pennsylvania State University, College of Agricultural Sciences

Web Site: none

Information on how to order this list:

The Pennsylvania State University College of Agricultural Sciences.
Audrey N. Maretzki Professor of Food Science and Nutrition Food Science Department,
Pennsylvania State University
205 Borland Laboratory
University Park, PA 16802
Phone: (814) 863-4751
Email: anm1@psu.edu



INDEX 1. PROGRAM AND CURRICULUM AREAS, CONTENTS OF INDEXES 2 & 3

Program Area

Curriculum Area	Pages
Animal Care and Management	32
Pasture-raised Livestock	49
Sheep Shearing	50
Veterinary Care	51
Building and Construction	32
Build a Chicken Tractor	42
Building your own cold frame	43
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Composting Indoors and Outdoors	43
Composting Manure	44
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Agriculture and Conservation	41-42
Land Stewardship	46
Organics	48
Water Quality and Agriculture	51
Energy	34
Energy	44
Food and Cooking	34-36
Cooking with Grain from around the world	44
Eating in Season	44
Food Around the World	44
Grinding Grain & Baking	46
Ice Cream Making	46
Nutrition	47



Index 1. Program and Curriculum Areas, Contents of Indexes 2 & 3 Continued

Program Area

Curriculum Area	Pages
Trace your breakfast (What's a food system?)	51
Food Systems and Economics	37
Building an understanding of Local Economies	42-43
Forestry	36-37
Forest and the Farm	45
Garden	37-38
Garden Planning and Design	45
Gardening 101	45
Organic Management of Insect and Weeds	48
Seed Starting and Transplanting	50
Garden Focus Topics	38
Tomatoes	50
General Farm Activities	38
Barn tours	42
Chicks and Calves	43
Scavenger Hunt	50
Hand Crafts	39
Spinning Sheep's Wool	50
Plants (generic)	39
Plants (generic)	49
Politics of Food	39-40
Hunger Issues: What's the Role of Sustainable Agriculture	46
Local Food Production	46
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Index 1. Program and Curriculum Areas, Contents of Indexes 2 & 3 Continued

Program Area

Curriculum Area	Pages
Soil Science	40
Nutrient Management and Soil	47
Pasture Walk	48



INDEX 2. PROGRAM AREAS, CURRICULUM LISTINGS

Animal Care and Management

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
K-1	FFSL076	Weaving Wool	4
2-3	FFSL090	The Fable of the Fainting Goats	5
2-3	FFSL121	Where's the Beef?	5
4-5	FFSL145	Get the Point!	5
4-6	FLP441	Amazing Grazing	18
4-6	SFSC09	Farm Visit	21
4-6	SFSC06	Livestock	21
7-12	FGUL1	A brief Agricultural and Historical Perspective with a Definition of Sustainable Development	10
7-12	SAW113	Pasture Activities	20
10-12	TASARS2	Sustainable Cropping and Livestock Systems	25

Building and Construction

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
4-12	FLP291	Nail by Nail, Board by Board	17

Compost

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
1-12	FLP081	Trash Bashing	16
2-8	FLP111	From Apple Cores to Healthy Soil	16
4-6	SFSC09	Farm Visit	21
7-12	FF033	Don't Stop Composting	9
7-12	FF030	Family Compost Feud	9
7-12	TFS8	Food System Outputs: Completing the Cycle	23
7-12	FF027	Tara and Her Pile	9
10-12	TASAS91	Bottle Biology	25
10-12	TASALA01	Composting	24
10-12	RFF6	Crop Nutrient Management	19

Ecological Farming

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
K-1	FFSL072	Walk, Don't Run	4



Index 2. Program Area: Ecological Farming (continued)

K-4	FLP017	School ground Caretakers	16
K-12	BC	Bouncing Corn	7
K-12	FLP057	Don't Use It All Up!	16
2-3	FFSL110	The Wonderful Water Cycle	5
2-3	FFSL085	Who Cares for The Land	5
3-12	FLP159	Expression Connection	16
4-5	FFSL126	A Day Without Ag	5
4-5	FFSL188	Blowing in the Wind	6
4-5	FFSL159	From Marshmallows to Medicine	6
4-5	FFSL156	Hold on to that Water	6
4-5	FFSL179	Just a Matter of Time	6
4-5	FFSL130	Let Your Fingers Do the Walking	5
4-5	FFSL149	Save our Soil	5
4-5	FFSL171	Timeline of the Land	6
4-6	SFSC02	Food History	21
4-6	FLP459	In Harmony	18
4-6	SAW157	Upland Habitat Activities	20
4-8	SAW079	Wildlife Activities	20
4-9	FLP213	Till We or Won't We	17
4-12	EB1	History of Agriculture	8
4-12	FLP273	It All Starts with A	17
4-12	EB4	Natural Resources and Agriculture	8
4-12	SAW207	Pond Activities	20
4-12	SAW151	Roadside Activities	20
4-12	SAW229	Water Quality Activities	20
4-12	SAW163	Wetland Activities	20
5-12	FLP547	Soil's Not Trivial	18
6-8	FLP561	Go, Go H2O	18
6-8	FFSL198	The Farmer Cares for the Land	6
6-8	FFSL260	What's Organic?	7
7-12	FGUL2	A Key Agricultural Resource	10



Index 2. Program Area: Ecological Farming (continued)

7-12	FGUL5	Everything is Connected	10
7-12	TFS3	Food Production	23
7-12	TFS2	Food System Inputs	23
7-12	FLP351	To Whom It May Concern	17
9-12	FLP395	Cows or Condos?	17
10-12	TASAS91	Bottle Biology	25
10-12	TASALA09	Career Compounds	24
10-12	TASALA18	Career Opportunities in Sustainable Agriculture	25
10-12	RFF9	Conservation Buffers	19
10-12	TASALA14	Conservation Tillage	25
10-12	RFF7	Erosion Control	19
10-12	TASARS6	Ethics and Agriculture: Can Agriculture be Good	25
10-12	TASARS1	Introduction to Sustainable Agriculture	25
10-12	TASALA10	Mapping Mania	24
10-12	TASALA21	Moral and Ethical Issues in Agriculture	25
10-12	TASALA15	Pesticide and Groundwater Protection Lab	25
10-12	TASALA17	Policies Affecting Farm Sustainability or Profitability	25
10-12	IASD4	Reflecting and Creating	12
10-12	TASALA12	Ridge Tillage Lab	24
10-12	IASD5	Sharing out Sustainable Projects	12
10-12	IASD2	Thinking about the big picture, or the "system"	12
10-12	IASD1	What makes agriculture sustainable?	12

Energy

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
4-5	FFSL133	Writing the Wind	5

Food and Cooking

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
K-4	FLP409	Choosy Choices	17
K-6	FLP023	Let's Celebrate	16
K-6	FLP033	Seasons through the Year	16
K-6	FLP039	Tomatoes to Ketchup, Chickens to Omelettes	16



Index 2. Program Area: Food and Cooking (continued)

K-12	ICIB	Ice Cream in a Bag	7
K-12	FLP075	Lunchtime Favorites	16
2-3	FFSL080	Build a Burger	4
2-3	FFSL097	Pizza Parts	5
2-3	FFSL099	Snack Sack	5
2-3	FFSL107	Tin Can Treat	5
2-3	FFSL121	Where's the Beef?	5
3-12	FLP169	Gala Fiesta Jamboree	17
4-5	FFSL153	Bread in a Bag	5
4-5	FFSL140	Calorie Countdown	5
4-5	FFSL194	On the Lookout for Labels	6
4-6	SFSC10	Food Celebration	21
4-6	SFSC01	Food Systems Introduction	21
4-6	SFSC08	Sustainable Choices	21
4-7	FLP129	Banking on Seeds	16
4-12	FLP483	Be Label Able	18
4-12	FLP225	Breads Around the World	17
4-12	FLP241	By the Way	17
4-12	EB2	Meet what you eat	8
4-12	FLP307	What's the Shape of your Diet?	17
5-12	FLP527	Global Grocery Bags	18
6-8	FFSL220	A Tough Nut to Crack	6
6-8	FFSL228	Fat Follies	6
6-9	FLP323	Calorie Counting	17
6-12	FLP571	Loco for Cocoa	18
7-12	TFS5	Distribution: The Global Movement of Food	23
7-12	FF113	No Tomato Sauce 'til 1492	10
7-12	TFS1	The Food System: An introduction	23
7-12	FF044	Trace the French Fry: An introduction to the Food System	9
7-12	FLP611	Trading Favorites	18
10-12	TASAS71	Environmentally Sound Alternative Crops	25



Index 2. Program Area: Food and Cooking (continued)

10-12 IASD2 Thinking about the big picture, or the "system" 12

Food Systems and Economics

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
K-12	TG	The Trading Game	7
2-3	FFSL116	What Does Ag Have to Do with Me?	5
4-5	FFSL136	By the Pound	5
4-5	FFSL185	Capital for Cookies	6
4-12	FLP299	Step by Step	17
4-12	FLP499	What Piece of the Pie?	18
4-12	FLP517	Why I Buy	18
5-12	FLP527	Global Grocery Bags	18
6-8	FFSL235	A Lot of This for A Little of That	6
6-8	FFSL241	At Your Fingertips	6
6-8	FFSL250	Trader's Game	7
7-12	FGUL4	What is the Real Cost of Food?	10
10-12	TASARS4	Alternative Agriculture Enterprises: New Ways to Sustainability	25
10-12	TASALA04	Alternative Marketing and Marketing Alternative Products	24
10-12	TASALA19	Community Survey	25
10-12	TASALA16	Economic Impact of Sustainable Agriculture	25
10-12	TASALA13	Enterprise Selection	25
10-12	TASALA17	Policies Affecting Farm Sustainability or Profitability	25
10-12	IASD4	Reflecting and Creating	12
10-12	IASD3	Sustainability in Action	12
10-12	TASALA20	Sustainable Agriculture Businesses	25
10-12	TASARS3	The Economics of Sustainable Agriculture	25

Forestry

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
K-1	FFSL074	The Texture of Timber	4
K-12	MFFP	Minnesota Forest Facts Packet	13
K-12	PMK	Paper Making Kit	14
K-12	PFV	People and Forests	15



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K-12	SMFR	Sustaining Minnesota Forest Resources Guide	22
K-12	WWWWK	Where would we be without wood?	26
2-3	FFSL094	The Paper Chase	5
4-5	FFSL167	Ride the Wild Leaf Cycle	6
4-12	FLP291	Nail by Nail, Board by Board	17
4-12	SAW187	Woodlot Activities	20

Garden

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
K-3	FLP005	Seed Surprises	16
K-3	FLP001	The Plant-n-Me	16
K-12	GG	Garden in a Glove	7
K-12	GSB	Germination of Soy Boy	7
K-12	KG	Kid's Gardening	13
K-12	SB	Soil Baby	7
2-3	FFSL102	Common Kinds of Insects	5
2-7	FLP103	Buzzy Buzzy Bee	16
3-12	FLP181	Investigating Insects	17
4-5	FFSL163	Weeds on the Windowsill	6
4-6	SFSC05	Bugs: Pests or Pals	21
4-6	SFSC09	Farm Visit	21
4-6	SFSC04	Plants and Seeds	21
4-7	FLP129	Banking on Seeds	16
4-8	PF2	Math Projects: Planting and Harvesting	15
4-12	EB3	Common Farming Methods	8
4-12	SAW105	Integrated Pest Management Activities	20
4-12	EB5	Sustainable Garden	8
6-12	FLP591	Mighty Macros	18
6-8	FFSL214	A Priceless Collection	6
7-12	FGUL3	Agriculture and Chemicals	10
7-12	FF038	Create Your Farm	9
7-12	FF020	Field Mapping	9



Index 2. Program Area: Garden (continued)

7-12	TFS2	Food System Inputs	23
7-12	FF024	From Seed to Zucchini	9
7-12	FF092	Garden / Farm Planning Unit	10
7-12	FF098	Landscape Design Unit	10
7-12	FF034	The Great Insect Exploration	9
7-12	FF116	The Pesticide Banquet	10
7-12	FF064	We Are Family	10
8-12	FLP625	Managing Pests	18
10-12	TASALA11	Assembly and Adjustment of Front-mount Row Crop Cultivator	24
10-12	TASALA07	Insect Pest Management Lab	24
10-12	TASAS17	Non-chemical Pest Control	25
10-12	TASALA08	Plant Disease	24
10-12	TASAS05	Reduced Chemical Weed Control	25
10-12	TASALA03	Role playing a Congressional Debate over Pesticide Policy	24
10-12	TASARS2	Sustainable Cropping and Livestock Systems	25
10-12	RFF8	Weed and Pest Control	19
10-12	TASALA06	Weed Management Lab	24

Garden Focus Topics

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
K-1	FFSL069	Ready, Set, Plant	4

General Farm Activities

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
K-1	FFSL058	Egg Maze: Counting by Twos, Threes and Fives	4
K-9	NFW3	Survival Scavenger Hunt	14
4-6	SFSC09	Farm Visit	21
4-12	SAW129	Prairie Activities	20
6-8	FFSL208	Pecking Out Ratios	6
7-12	FF084	A Winter Farm Exploration	10
7-12	FF040	Neighborhood Road Races	9
10-12	TASALA05	Sustainable Agriculture On-farm Research and Demonstrations	24



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Hand Crafts

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
K-1	FFSL076	Weaving Wool	4
4-8	PF1	Research Project: Spinning and Weaving	15
4-12	FLP261	From Fiber to Fashion	17

Plants

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
K-1	FFSL065	Plants Love Air	4
K-1	FFSL067	Powerful Potato	4
K-1	FFSL069	Ready, Set, Plant	4
K-6	FLP047	We're into Pumpkins	16
K-12	KG	Kid's Gardening	13
K-12	SB	Soil Baby	7
2-6	FLP091	Root Root for Life	16
3-8	FLP151	Tree-mendous	16
4-8	FLP203	Gifts from the Sun	17
6-8	FFSL212	A Growing Market	6
6-8	FFSL224	Compare Soils by Growing Plants	6

Politics of Food

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
3-12	FLP427	Feed the Need	18
4-6	SFSC07	The Lifecycle of Fresh Food	21
4-12	FLP285	Less Elbow Room	17
5-12	FLP337	What Will the Land Support?	17
6-8	FFSL232	Why Are People Hungry?	6
7-12	FLP367	Almost Six Billion and Still Growing!	17
7-12	TFS5	Distribution: The Global Movement of Food	23
7-12	FF056	Final Food System Debate	9
7-12	TFS6	Food Access	23
7-12	TFS3	Food Production	23
7-12	TFS9	Sustaining the Local Food Supply	23



Index 2. Program Area: Politics of Food (continued)

8-12	FLP379	Piecing Together Population Patterns	17
9-12	FLP395	Cows or Condos?	17
10-12	TASALA04	Alternative Marketing and Marketing Alternative Products	24
10-12	IASD4	Reflecting and Creating	12

Soil Science

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
K-1	FFSL063	Don't Tread on Me	4
K-1	FFSL072	Walk, Don't Run	4
K-9	NFW5	Bison Mystery Box	14
K-9	NWF2	Microclimate in the Schoolyard	14
K-9	NFW4	Prairie Chicken Pageant	14
K-9	NWF1	The Incredible Prairie Picture Show	14
2-3	FFSL104	Losing Ground	5
2-3	FFSL113	Worm Watching	5
2-8	FLP111	From Apple Cores to Healthy Soil	16
3-6	FLP121	Perc Through the Pores	16
3-12	FLP193	Your Schoolyard! Through New Eyes	17
4-5	FFSL156	Hold on to that Water	6
4-5	FFSL149	Save our Soil	5
4-6	SFSC09	Farm Visit	21
4-6	SFSC03	Soils	21
6-8	FFSL224	Compare Soils by Growing Plants	6
7-12	FF018	Garden Sensory Observations	9
7-12	FF021	Rocks to People	9
7-12	SAW243	Soil Activities	20
7-12	FF119	The Great Soil Puzzle	10
10-12	RFF6	Crop Nutrient Management	19
10-12	TASAS71	Environmentally Sound Alternative Crops	25
10-12	TASALA02	Nitrate Leaching	24
10-12	TASARS2	Sustainable Cropping and Livestock Systems	25



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Agriculture and Conservation

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
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K-12	FLP057	Don't Use It All Up!	16
3-12	FLP159	Expression Connection	16
4-5	FFSL149	Save our Soil	5
4-5	FFSL130	Let Your Fingers Do the Walking	5
4-5	FFSL159	From Marshmallows to Medicine	6
4-5	FFSL126	A Day Without Ag	5
4-5	FFSL179	Just a Matter of Time	6
4-5	FFSL188	Blowing in the Wind	6
4-5	FFSL171	Timeline of the Land	6
4-6	SAW157	Upland Habitat Activities	20
4-6	SFSC02	Food History	21
4-8	SAW079	Wildlife Activities	20
4-9	FLP213	Till We or Won't We	17
4-12	EB1	History of Agriculture	8
4-12	EB4	Natural Resources and Agriculture	8
4-12	FLP273	It All Starts with A	17
4-12	SAW151	Roadside Activities	20
5-12	FLP547	Soil's Not Trivial	18
6-8	FLP561	Go, Go H2O	18
6-8	FFSL198	The Farmer Cares for the Land	6
7-12	FGUL5	Everything is Connected	10
7-12	FLP351	To Whom It May Concern	17
7-12	FGUL2	A Key Agricultural Resource	10
7-12	TFS2	Food System Inputs	23
7-12	TFS3	Food Production	23
10-12	TASARS1	Introduction to Sustainable Agriculture	25
10-12	RFF9	Conservation Buffers	19
10-12	TASALA18	Career Opportunities in Sustainable Agriculture	25



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10-12	TASALA21	Moral and Ethical Issues in Agriculture	25
10-12	TASALA14	Conservation Tillage	25
10-12	TASALA09	Career Compounds	24
10-12	TASALA17	Policies Affecting Farm Sustainability or Profitability	25
10-12	IASD1	What makes agriculture sustainable?	12
10-12	IASD5	Sharing out Sustainable Projects	12
10-12	TASALA12	Ridge Tillage Lab	24
10-12	TASARS6	Ethics and Agriculture: Can Agriculture be Good	25
10-12	IASD2	Thinking about the big picture, or the "system"	12
10-12	IASD4	Reflecting and Creating	12
10-12	RFF7	Erosion Control	19

Barn tours

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
4-6	SFSC09	Farm Visit	21
10-12	TASALA05	Sustainable Agriculture On-farm Research and Demonstrations	24

Build a Chicken Tractor

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
4-12	FLP291	Nail by Nail, Board by Board	17

Building an understanding of Local Economies

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
K-12	TG	The Trading Game	7
2-3	FFSL116	What Does Ag Have to Do with Me?	5
4-5	FFSL136	By the Pound	5
4-5	FFSL185	Capital for Cookies	6
4-12	FLP299	Step by Step	17
4-12	FLP517	Why I Buy	18
4-12	FLP499	What Piece of the Pie?	18
5-12	FLP527	Global Grocery Bags	18
6-8	FFSL250	Trader's Game	7
6-8	FFSL241	At Your Fingertips	6
6-8	FFSL235	A Lot of This for A Little of That	6



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7-12	FGUL4	What is the Real Cost of Food?	10
10-12	IASD3	Sustainability in Action	12
10-12	TASALA19	Community Survey	25
10-12	IASD4	Reflecting and Creating	12
10-12	TASALA04	Alternative Marketing and Marketing Alternative Products	24
10-12	TASALA16	Economic Impact of Sustainable Agriculture	25
10-12	TASALA13	Enterprise Selection	25
10-12	TASALA20	Sustainable Agriculture Businesses	25
10-12	TASARS3	The Economics of Sustainable Agriculture	25
10-12	TASARS4	Alternative Agriculture Enterprises: New Ways to Sustainability	25
10-12	TASALA17	Policies Affecting Farm Sustainability or Profitability	25

Building your own cold frame

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
4-12	FLP291	Nail by Nail, Board by Board	17

Chicks and Calves

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
K-1	FFSL058	Egg Maze: Counting by Twos, Threes and Fives	4
6-8	FFSL208	Pecking Out Ratios	6

Composting Indoors and Outdoors

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
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2-8	FLP111	From Apple Cores to Healthy Soil	16
4-6	SFSC09	Farm Visit	21
7-12	FF033	Don't Stop Composting	9
7-12	FF030	Family Compost Feud	9
7-12	FF027	Tara and Her Pile	9
7-12	TFS8	Food System Outputs: Completing the Cycle	23
10-12	TASALA01	Composting	24
10-12	TASAS91	Bottle Biology	25



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Composting Manure

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
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10-12	TASALA01	Composting	24
10-12	RFF6	Crop Nutrient Management	19

Cooking with Grain from around the world

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
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<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
K-6	FLP033	Seasons through the Year	16
4-6	SFSC08	Sustainable Choices	21
4-6	SFSC10	Food Celebration	21

Energy

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
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Food Around the World

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K-6	FLP023	Let's Celebrate	16
K-12	FLP075	Lunchtime Favorites	16
3-12	FLP169	Gala Fiesta Jamboree	17
4-7	FLP129	Banking on Seeds	16
4-12	FLP225	Breads Around the World	17
5-12	FLP527	Global Grocery Bags	18
6-12	FLP571	Loco for Cocoa	18
7-12	FLP611	Trading Favorites	18
7-12	FF113	No Tomato Sauce 'til 1492	10
7-12	TFS5	Distribution: The Global Movement of Food	23



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Forest and the Farm

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
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K-12	SMFR	Sustaining Minnesota Forest Resources Guide	22
K-12	MFFP	Minnesota Forest Facts Packet	13
K-12	PMK	Paper Making Kit	14
K-12	PFV	People and Forests	15
K-12	WWWWK	Where would we be without wood?	26
2-3	FFSL094	The Paper Chase	5
4-5	FFSL167	Ride the Wild Leaf Cycle	6
4-12	SAW187	Woodlot Activities	20
4-12	FLP291	Nail by Nail, Board by Board	17

Garden Planning and Design

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
K-12	KG	Kid's Gardening	13
7-12	FF098	Landscape Design Unit	10
7-12	FF064	We Are Family	10
7-12	FF092	Garden / Farm Planning Unit	10
7-12	FF020	Field Mapping	9
7-12	FF038	Create Your Farm	9

Gardening 101

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
K-3	FLP001	The Plant-n-Me	16
K-12	KG	Kid's Gardening	13
K-12	SB	Soil Baby	7
2-7	FLP103	Buzzy Buzzy Bee	16
4-8	PF2	Math Projects: Planting and Harvesting	15
4-12	EB3	Common Farming Methods	8
4-12	EB5	Sustainable Garden	8
6-12	FLP591	Mighty Macros	18
7-12	TFS2	Food System Inputs	23



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10-12 TASARS2 Sustainable Cropping and Livestock Systems 25

Grinding Grain & Baking

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
4-5	FFSL153	Bread in a Bag	5

Hunger Issues: What's the Role of Sustainable Agriculture?

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
3-12	FLP427	Feed the Need	18
6-8	FFSL232	Why Are People Hungry?	6
7-12	TFS6	Food Access	23
7-12	TFS5	Distribution: The Global Movement of Food	23

Ice Cream Making

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
K-12	ICIB	Ice Cream in a Bag	7
2-3	FFSL107	Tin Can Treat	5

Land Stewardship

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
K-4	FLP017	School ground Caretakers	16
2-3	FFSL085	Who Cares for The Land	5
4-6	FLP459	In Harmony	18
9-12	FLP395	Cows or Condos?	17
10-12	TASARS6	Ethics and Agriculture: Can Agriculture be Good	25
10-12	IASD1	What makes agriculture sustainable?	12

Local Food Production

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7-12	TFS9	Sustaining the Local Food Supply	23
7-12	FF056	Final Food System Debate	9
10-12	IASD4	Reflecting and Creating	12
10-12	TASALA04	Alternative Marketing and Marketing Alternative Products	24



Index 3. Curriculum Areas: Curriculum Listings (continued)

Nutrient Management and Soil

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
K-1	FFSL063	Don't Tread on Me	4
K-1	FFSL072	Walk, Don't Run	4
2-3	FFSL113	Worm Watching	5
2-3	FFSL104	Losing Ground	5
2-8	FLP111	From Apple Cores to Healthy Soil	16
3-6	FLP121	Perc Through the Pores	16
4-5	FFSL149	Save our Soil	5
4-5	FFSL156	Hold on to that Water	6
4-6	SFSC03	Soils	21
4-6	SFSC09	Farm Visit	21
6-8	FFSL224	Compare Soils by Growing Plants	6
7-12	FF119	The Great Soil Puzzle	10
7-12	SAW243	Soil Activities	20
7-12	FF021	Rocks to People	9
10-12	RFF6	Crop Nutrient Management	19
10-12	TASALA02	Nitrate Leaching	24
10-12	TASARS2	Sustainable Cropping and Livestock Systems	25

Nutrition

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
K-4	FLP409	Choosey Choices	17
2-3	FFSL121	Where's the Beef?	5
2-3	FFSL099	Snack Sack	5
4-5	FFSL194	On the Lookout for Labels	6
4-5	FFSL140	Calorie Countdown	5
4-12	FLP483	Be Label Able	18
6-8	FFSL228	Fat Follies	6
6-8	FFSL220	A Tough Nut to Crack	6
6-9	FLP323	Calorie Counting	17



Index 3. Curriculum Areas: Curriculum Listings (continued)

Organic Management of Insect and Weeds

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
2-3	FFSL102	Common Kinds of Insects	5
3-12	FLP181	Investigating Insects	17
4-5	FFSL163	Weeds on the Windowsill	6
4-6	SFSC05	Bugs: Pests or Pals	21
4-12	SAW105	Integrated Pest Management Activities	20
7-12	TFS2	Food System Inputs	23
7-12	FF034	The Great Insect Exploration	9
7-12	FF116	The Pesticide Banquet	10
7-12	FGUL3	Agriculture and Chemicals	10
8-12	FLP625	Managing Pests	18
10-12	TASARS2	Sustainable Cropping and Livestock Systems	25
10-12	TASALA06	Weed Management Lab	24
10-12	TASALA11	Assembly and Adjustment of Front-mount Row Crop Cultivator	24
10-12	TASALA07	Insect Pest Management Lab	24
10-12	TASALA08	Plant Disease	24
10-12	TASAS17	Non-chemical Pest Control	25
10-12	TASAS05	Reduced Chemical Weed Control	25
10-12	RFF8	Weed and Pest Control	19
10-12	TASALA03	Role playing a Congressional Debate over Pesticide Policy	24

Organics

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
6-8	FFSL260	What's Organic?	7
7-12	TFS3	Food Production	23

Pasture Walk

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
K-9	NWF2	Microclimate in the Schoolyard	14
K-9	NWF1	The Incredible Prairie Picture Show	14
K-9	NFW5	Bison Mystery Box	14
K-9	NFW4	Prairie Chicken Pageant	14



Index 3. Curriculum Area: Pasture Walk (continued)

3-12	FLP193	Your Schoolyard! Through New Eyes	17
4-6	SFSC09	Farm Visit	21
7-12	FF018	Garden Sensory Observations	9
10-12	TASAS71	Environmentally Sound Alternative Crops	25

Pasture-raised Livestock

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
2-3	FFSL121	Where's the Beef?	5
2-3	FFSL090	The Fable of the Fainting Goats	5
4-5	FFSL145	Get the Point!	5
4-6	SFSC06	Livestock	21
4-6	FLP441	Amazing Grazing	18
7-12	SAW113	Pasture Activities	20
7-12	FGUL1	A brief Agricultural and Historical Perspective with a Definition of Sustainable Development	10
10-12	TASARS2	Sustainable Cropping and Livestock Systems	25

Plants (generic)

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
K-1	FFSL065	Plants Love Air	4
K-1	FFSL069	Ready, Set, Plant	4
K-1	FFSL067	Powerful Potato	4
K-6	FLP047	We're into Pumpkins	16
K-12	SB	Soil Baby	7
K-12	KG	Kid's Gardening	13
2-6	FLP091	Root Root for Life	16
3-8	FLP151	Tree-mendous	16
4-8	FLP203	Gifts from the Sun	17
6-8	FFSL224	Compare Soils by Growing Plants	6
6-8	FFSL212	A Growing Market	6

Population and Agriculture

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
4-12	FLP285	Less Elbow Room	17
5-12	FLP337	What Will the Land Support?	17



Index 3. Curriculum Area: Population and Agriculture (continued)

6-8	FFSL232	Why Are People Hungry?	6
7-12	FLP367	Almost Six Billion and Still Growing!	17
8-12	FLP379	Piecing Together Population Patterns	17
9-12	FLP395	Cows or Condos?	17

Scavenger Hunt

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
K-9	NFW3	Survival Scavenger Hunt	14
4-12	SAW129	Prairie Activities	20
7-12	FF040	Neighborhood Road Races	9
7-12	FF084	A Winter Farm Exploration	10

Seed Starting and Transplanting

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
K-3	FLP005	Seed Surprises	16
K-12	GSB	Germination of Soy Boy	7
K-12	GG	Garden in a Glove	7
4-6	SFSC09	Farm Visit	21
4-6	SFSC04	Plants and Seeds	21
4-7	FLP129	Banking on Seeds	16
6-8	FFSL214	A Priceless Collection	6
7-12	FF024	From Seed to Zucchini	9

Sheep Shearing

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
K-1	FFSL076	Weaving Wool	4

Spinning Sheep's Wool

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
K-1	FFSL076	Weaving Wool	4
4-8	PF1	Research Project: Spinning and Weaving	15
4-12	FLP261	From Fiber to Fashion	17

Tomatoes

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
K-1	FFSL069	Ready, Set, Plant	4



Index 3. Curriculum Areas: Curriculum Listings (continued)

Trace your breakfast (What's a food system?)

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
K-6	FLP039	Tomatoes to Ketchup, Chickens to Omelettes	16
K-12	FLP075	Lunchtime Favorites	16
2-3	FFSL097	Pizza Parts	5
2-3	FFSL080	Build a Burger	4
4-6	SFSC01	Food Systems Introduction	21
4-12	FLP307	What's the Shape of your Diet?	17
4-12	EB2	Meet what you eat	8
4-12	FLP241	By the Way	17
7-12	FF044	Trace the French Fry: An introduction to the Food System	9
7-12	TFS1	The Food System: An introduction	23
10-12	TASAS71	Environmentally Sound Alternative Crops	25
10-12	IASD2	Thinking about the big picture, or the "system"	12

Veterinary Care

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
4-6	SFSC09	Farm Visit	21

Water Quality and Agriculture

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Page</i>
K-1	FFSL072	Walk, Don't Run	4
2-3	FFSL110	The Wonderful Water Cycle	5
4-5	FFSL156	Hold on to that Water	6
4-12	SAW163	Wetland Activities	20
4-12	SAW229	Water Quality Activities	20
4-12	SAW207	Pond Activities	20
6-8	FLP561	Go, Go H2O	18
10-12	TASALA10	Mapping Mania	24
10-12	TASALA15	Pesticide and Groundwater Protection Lab	25
10-12	TASAS91	Bottle Biology	25

Recommended Curriculum Unit: Soils

<i>Grades</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Description</i>
K-1	FFSL063	Don't Tread on Me	Soil Compaction
K-1	FFSL072	Walk, Don't Run	Soil Erosion from Rain / Water
1-12	FLP081	Trash Bashing	Reduce, reuse, recycle- little info on Biodegradeables
2-3	FFSL104	Losing Ground	Wind Erosion
3-6	FLP121	Perc Through the Pores	Sand, Silt, Clay- Soil Texture and Particle Size
4-5	FFSL149	Save our Soil	Soil Availability for Agriculture
4-5	FFSL156	Hold on to that Water	Water Holding Capacity of Soil / Permeability
4-6	SFSC03	Soils	Overview- Soil Ecosystem, Compost, Soil Management concerns, soil id,
4-6	SFSC09	Farm Visit	Identify soil types, compost,
7-8	FFSL224	Compare Soils by Growing Plants	Organic Matter in Soils
7-12	FF021	Rocks to People	How soil is formed ,how to id a good, productive ag soil. Good management of soil & develop a management plan.
7-12	FF119	The Great Soil Puzzle	Soil formation, particle size, compaction,
7-12	SAW243	Soil Activities	Soil texture, color, permeability, and pH, soil profiles, soil classification, soil conservation practices, soil uses in ag & development., soil erosion, topography,
10-12	RFF6	Crop Nutrient Management	Nutrient availability, Excessive nutrient problems, Potential problem areas and prevention measures, Erosion control, Estimating Residue Cover, Soil Erosion Simulation,
10-12	TASALA02	Nitrate Leaching	define leaching, leaching potential of different soul types and nitrogen sources, relates on-farm production practices and resources to water quality.
10-12	TASARS2	Sustainable Cropping and Livestock Systems	Soil Productivity, Soil Management, Pasture Management
10-12	TASAS91	Bottle Biology	TerrAqua Column, Compost Columns, Eco Columns,

*Lessons can be adapted for older or younger students.

Recommended Curriculum Unit: Composting

<i>Grades*</i>	<i>Code</i>	<i>Curriculum Title</i>	<i>Description</i>
2-3	FFSL113	Worm Watching	Earthworms build soil
2-8	FLP111	From Apple Cores to Healthy Soil	Decomposition of organic materials – excellent for composting, soil ecosystem, nutrient cycles,
4-6	SFSC03	Soils	Overview- Soil Ecosystem, Compost, Soil Management concerns, soil id,
4-6	SFSC09	Farm Visit	Identify soil types, compost,
7-12	FF027	Tara and Her Pile	Building a compost pile- on farm activity?
7-12	FF030	Family Compost Feud	Ingredients & processes that make a functioning compost pile, the impact of composting on the rest of the food system.
7-12	TFS8	Food System Outputs: Completing the Cycle	Solid Waste Disposal, Decreasing Waste with 3Rs, Composting, How to Start Composting, Worm Bins,
10-12	TASALA01	Composting	Composting- values and benefits, materials used in composting, nutrient cycles, inputs & outputs, garden or farm as integrated system
10-12	TASAS91	Bottle Biology	TerrAqua Column, Compost Columns, Eco Columns,

*Lessons can be adapted for older or younger students.

Recommended Curriculum Unit: Land Stewardship

<i>Grade*</i>	<i>Code</i>	<i>Curriculum</i>	<i>Description</i>
K-4	FLP017	Schoolground Caretakers	Environmental Stewardship of school grounds,
2-3	FFSL085	Who Cares for The Land	Natural resources & cycles
4-6	FLP459	In Harmony ****	Land use, resources,
4-6	FLP441	Amazing Grazing	Land Use, Grazing Animals, animal by-products, mock case studies,
5-12	FLP337	What Will the Land Support?	Carrying capacity, conserving resources,
7-12	SAW113	Pasture Activities	Pasture as wildlife habitat, rotational grazing, carrying capacity, good on farm activity- “the unbelievably fantabulous long 10 yard hike”
9-12	FLP395	Cows or Condos?	Urbanization of agricultural land, case study, problem solving
10-12	TASARS 6	Ethics and Agriculture: Can Agriculture be Good	Ethical issues, case study on ground and surface water contamination
10-12	IASD1	What makes agriculture sustainable?	3 legged stool,

*Lessons can be adapted for older or younger students.

Recommended Curriculum Unit: Food Security & Public Health

<i>Grade*</i>	<i>Code</i>	<i>Curriculum</i>	<i>Description</i>
4-12	FLP299	Step by Step	Steps of Production, farm to table
6-8	FFSL250	Trader's Game	Trading, International Relations-loosely,
6-8	FFSL241	At Your Fingertips	Importing/ Exporting Food Products
6-8	FFSL235	A Lot of This for A Little of That	Imports / Exports, Supply & Demand,
7-12	TFS5	Distribution: The Global Movement of Food	Globalization, Trade issues, Suggested Activities,
7-12	TFS4	Food Transformation	Food Science, Processing, Packaging, Labeling, Food Safety, Suggested Recipes to try, Applesauce Factory Activity,
7-12	TFS6	Food Access	Sources of food, Hunger & Food Insecurity in the US, Suggested Activities,
7-12	FGUL4	What is the Real Cost of Food?	Hidden and Real Costs of Food,

*Lessons can be adapted for older or younger students.

*A Project of the Community Assistantship Program at the Center for Urban
and Regional Affairs
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