

# AITC Lending Library

The Ag in the Classroom program helps students understand the importance of agriculture in their daily lives as well as to Iowa's economy. Each county has an Ag in the Classroom coordinator, who provides schools in their county with materials, lesson plans and information on agriculture. For more information, please contact your county Farm Bureau office.

Items listed in the library may be checked out for a two-week period. If you wish to check out an item or would like additional information on any of the items, please contact: Jenelle Rosine, Administrative Assistant, at 515-225-5512; Fax 515-225-566; jrosine@ifbf.org.

## **Accurate Ag Books** (Teacher's Guide - Grade Pre K- K)

*These lessons incorporate the books I Drive a Tractor and A Seed In Need into interactive activities. © 2007 (American Farm Bureau)*

## **Addressing Misconceptions About Agriculture** (Teacher's Guide - Grades 8-12)

*The public has many misconceptions about agriculture. This lesson will explore whether or not many of the commonly held beliefs have any scientific basis. © 2006 (American Farm Bureau)*

## **Adventures with Mighty Egg** (Teacher's Guide- Grades K-3)

*Integrated curriculum program, including math, science, language arts, creativity and other skill areas on the subjects of health, food, nutrition and more. © 1999 (American Egg Board)*

## **After the Rain Urban Runoff** (Video - Grades 6-12)

*Video explores the importance of water, the pressures our cities are placing on this precious resource, and ways that individuals can protect local drinking water supplies. © 1999 (Oregon State University Extension Service)*

## **Ag Mag Beef: An agricultural magazine for kids**

(Teacher's Guide - Grades 4-6)

*Using the Beef Ag Mag, students will read and interpret graphs and text and compare the nutritional value of beef. © 2005 (American Farm Bureau)*

## **Agriculture & the Environment** (Teacher's Guide/Activities - Grades 6-9)

*The guide offers background information for teachers on the interrelated agricultural and environmental issues concerning pesticide use, food safety laws and regulations, water quality, wetlands, and endangered species. Each chapter has classroom activities to help bring these topics alive. © 2004 (American Farm Bureau Foundation for Agriculture)*

## **Agriculture Counts Lesson Plans** (Teacher's Guide - Grades K-12)

*These English, Math, Geography, Science, and Social Studies lessons use surveys and censuses as the basis for showing why agricultural statistics are important to help show our future leaders that "Agriculture Counts." © 2002 (Oklahoma State University)*

## **Agro-Security: Safeguarding the American Food Supply** (DVD - Grades 9-12)

*This 30 minute interactive DVD provides a format for discussion about securing our nation's food supply. © (Missouri Farm Bureau, Missouri State University and USDA)*

## **All Kinds of Farms** (Book - Grades K-2)

*Young readers will learn about different types of farms and what they grow. © 2004 (Capstone Press)*

## **Alphabet Soup** (Teacher's Guide - Grades K-6)

*Every letter of the alphabet has an aspect of agriculture. Instructional book complete with lesson plans for every letter is included, as are games, recipes, and other activities. (Tennessee Foundation for AITC)*

**Alternative Fuels – Biodiesel** (Teacher’s Guide - Grades 4-12)

*Information and activities to teach students about biodiesel fuel. Subject areas include Science, Social Studies, and Language Arts. Correlations to National Science Standards. © 2004 (The NEED Project)*

**Alternative Fuels—Biomass** (Lesson Plans - Grades 7-12)

*A hands-on approach to learning about alternative fuels through easy to use lesson plans. © 1994 (Cooperative Learning)*

**Amazing Grazing** (Book - Grades 4-8)

*Conserving our nation's grazing lands and water is a vital concern to everyone. Students can read about three modern farmers who are leading the way to restore once-damaged lands through wise operation management. © 2002 (Boyd's Mills Press)*

**The Amazing Soybean** (Kit - Grades 4-6)

*Students learn about the history of the soybean and how it came to the U.S. They learn why soybeans are healthy and nutritious and about their byproducts. Includes teacher's guide, poster, video, CD-ROM and soybeans © 1998 (Minnesota Soybean Growers Association)*

**American Farmer by John Deere** (CD game - Grades 3 & up)

*Create and manage your own successful farm. You'll decide which crops to plant, livestock to raise, employees to hire, equipment to purchase, and structures to build. Plagues, weather, market trends, employee skill level, and much more will play a role as you make decisions that will determine the ultimate success of your farm. © 2004 (Global Star Software)*

**Anna's Corn** (Book - Grades K-3)

*After planting the seeds Anna and her grandfather saved from the year before, Anna watched her corn grow until she heard it sing, just like her grandfather said it would. © 2002 (Eerdmans Books for Young Readers)*

**A Baker's Dozen of Agricultural Lesson Plans** (Teacher's Guide -Grades 1-8)

*Enjoy teaching state standards with these 14 lesson plans range from Cabbage Chemistry to Global Groceries. © (Mid-Atlantic States Ag in the Classroom)*

**Barnyard Animals** (Video- Grades K-12)

*Video about livestock and the care they need to survive on the farm. © 1998 (Family Farm Productions)*

**Barnyard Bedlam** (Game - Grades PK-3)

*A fast-paced game that encourages children to make the appropriate animal sounds as they try to match different sets of animal cards. (2-6 players) ©1998 (Great American Puzzle Factory)*

**Beans** (Book - Grades K-2)

*Young readers can learn about the different parts of a green beans from the seed to harvest. There is a word glossary and word list. ©1998 (Capstone Press)*

**Beef Ag Mag Teacher's Guide** (Guide- Grades K-12)

*This 25-page teacher's guide is meant to accompany the Beef Ag Mag. The guide contains three units of instruction titled, Nutrition and Food Safety, Cattle Production and the Environment, Economic Importance of Beef. The units address all sections of the ag mag with an activity and cover topics such as Your Nutritional Needs, Nutrition and Fat Content, Meeting Your Nutritional Requirements, Cattle and The Environment, Land That Can Produce Food, Leather Sports Equipment, and Beef Is Important. © 2005 (American Farm Bureau Federation)*

**A Better Tasting & More Digestible Soybean** (Teacher's Guide -  
Grades 9-12)

*Explains how techniques in agricultural genetics are being used to bring new food products to the marketplace. © 8/2001 (ISU)*

**Biomass- Alternative Fuels** (Teacher's Guide- Grades 7-12)

*An innovative, hands-on approach to learning designed to supplement and reinforce your students' preparedness for higher education goals. © 1997 (South Carolina Farm Bureau and South Carolina Energy Office)*

**Biotechnology School Enrichment** (Teacher's Guide - Grades 4-5, 5-6, 7-8)

*Designed to provide students with experiential learning opportunities that promote appropriate life skill development. While teaching science and technology concepts, students will be exposed to biotechnology's complex scientific and technological issues. © 1998 - 4-5 grade; 1997 - 5-6 grade; 1997 - 7-8 grade (ISU)*

**Bringing Biotechnology to Life** (Video & Teacher's Guide—Grades 7-12)

*This 20-minute video for students in grades 7-12 explores biotechnology through the eyes of Julian as he creates a PowerPoint presentation for science class. When a frustrated Julian contacts his on-line friend Cora for help she enlists her uncle Vince, a farmer familiar with biotechnology. During an instant on-line message Uncle Vince refers Julian to scientists with expertise in food science, genomics, plant genetics, and crop molecular biology. Using their leads, Julian assembles video clips about biotechnology for his report. The fast paced video explores an array of biotechnologies being developed for use in medicine, fuel production, nutrition, and feeding a hungry planet. The video provides a comprehensive overview to introduce the topic of biotechnology. © 2005 (American Farm Bureau Foundation for Agriculture)*

**Bt Curriculum** (Teacher's Guide - Grades 9-12)

*This curriculum is about how genes from the soil bacterium *Bacillus thuringiensis* (Bt) have been genetically engineered into crops to provide insect resistance. Each module is designed to be used independently or with the other modules. For educators, each module contains background information, lesson plans geared to the National Science Education Standards and 4-H skills, Internet resources, and overhead transparency masters. Informational handouts and activity handouts that can be photocopied for students are included. (Iowa State's Office of Biotechnology and ISU Extension)*

**Caretakers All** (Kit - Grades 3-4)

*Designed to teach students the principles of good "care taking" of the environment and how farmers' and ranchers' livelihoods depend on a healthy environment. Teachers guide, student activity sheets and games are included. © 1992 (National Cattlemen's Association)*

**Celebrate America** (Curriculum - Grades 4-5)

*Provides lessons in Social Studies, Language Arts, Art, Mathematics, and Nutrition. Each student will have an opportunity to explore the foods and traditions of their cultural backgrounds, as well as gather information about how and when their families came to America. The program culminates in an optional Celebrate America Culture Day event, organized and presented by your students. © 2002 (Cattlemen's Beef Board)*

**Celebrating the Harvest A - Z** (Kit - Grades 1-3)

*Kit contains teacher's guide, student activity book, books, videos, tractors, posters, color prints, and bingo cards to help teach students about the harvest season — past and present — through hands-on and minds-on learning experiences. Integrates the major curriculum areas of Math, Science, Language Arts, and Social Studies. (Ohio State University)*

**Chickens** (Book - Grades K-2)

*Learn all about the different types of chickens, where chickens live, what they eat, and what chickens provide us. © 1996 (Capstone Press)*

**Chickens have Chicks** (Book - Grades K-2)

*Learn all about chicks, their development into a chicken and what their different body parts are called. © 2000 (Compass Point Books)*

**Chosen Fields** (Video /CD/Teacher's Guide - Grades 5-11)

*You do not have to come from a farm to have a career in agriculture. Agricultural jobs are everywhere for everyone, with more than 300 agricultural related careers available. Students will learn the six employment areas of agriculture and identify the careers available in each. © 2000 (Illinois Farm Bureau)*

**Christmas on the Farm** (Book - Grades 4-8)

*Author tells about real life experiences growing up on an Iowa farm during the 1920s and 1930s. Learn about the everyday activities that made farm life unique, especially during the Christmas season. © 2003 (Bob Artley, Pelican Publishing)*

**Claude's Got the Scoop on Soil!** (Computer game - Grades K-12)

*This fun and interactive computer game teaches young and old the marvelous facts about soil. © (Soil and Water Conservation Society)*

**Connecting to Ag** (Video/Teacher's Guide - Grades 5-11)

*A great way for students to learn how agriculture connects to their lives. Animation, fun facts, and farmers tell the story of agriculture and how it relates to economics, science, and business. Interwoven through the commodity stories of corn, cotton, apples, dairy, and soybeans are important concepts such as biodegradable properties, renewable resources, biotechnology, foreign trade, pest management, conservation practices, and food quality. © 1998 (Illinois Farm Bureau)*

**Corn Is Maize** (Book- Ages 5-9)

*How Native American farmers thousands of years ago found and nourished a wild grass plant and made it an important part of their lives. Stories of the corn plant. © 1976 (Aliko Brandenburg)*

**Cotton, a Miracle of Nature** (Activities - Grades 6-8)

*Includes learning modules on Social Studies, History, Math, and Science, and a colorful poster. © 2000 (Cotton Incorporated)*

**Cows** (Book - Grades K-2)

*Do you know what a cow is or what they eat? Do you know how to make your own butter? This book explains it all. © 1996 (Capstone Press)*

**Cows Have Calves** (Book - Grades K-3)

*Young researchers can learn about farm animals' life cycles. © 2000 (Compass Point Books)*

**Crazy About Corn** (Kit - Grades K-3)

*Designed to help children discover the basics of science as they explore the importance of corn to our history, culture, and supermarket shelves. They will build their memories and hand-eye coordination, improve their letter recognition, and improve their reading abilities. © 1999 (Cooperative Extension Service)*

**A Crime, A Clue and Biotechnology** (Teacher's Guide/Activities - Grades 7-9)

*This guide exposes students to biotechnology's complex scientific and technological issues as well as arouse students' interest in pursuing careers in science and technology. It provides students with experiential learning opportunities that promote appropriate life skill development. © 5/1996 (ISU)*

**Cut the Fat- Keep the Flavor** (Teacher's Guide/Activities - Grades 6-12)

*Introduces students to how advances in agricultural genetics are bringing new products that are lower in saturated fat to the marketplace. © 4/1999 (ISU)*

**Cycling Back to Nature** (Teacher's Guide - Grades K-12)

*Explains the ecosystem and takes a closer look at living and nonliving organisms. It explains the basics of agriculture and food production, pesticides and the environment, minimizing exposure to pesticides, and talks about world population and food production. © 1995 (4-H Council)*

**Dairy FARMBABIES.COM** (Video- Grades K-12)

*Straight from the barn into your school or home, that's how it will seem as you introduce your family to the birth process and other life stages of farm animals from Farmbabies.com! Gives you a chance to see what a real farm is like. © 1997 (TVS Company)*

**Dairy Farming for Kids** (DVD/Teacher's Guide - Grades PK-6)

*Introduces students to the dairy segment of agriculture by taking them through the daily operation of a 700-cow dairy farm. From cows mooing to tractors roaring, this entertaining and educational video has it all. © 1996 (Rainbow Communications)*

**A Day at Our Dairy Farm** (Book - Grades 7-9)

*This book takes children on an adventure of what it's like to work on a dairy farm. © 1994 (Modern Curriculum Press)*

**A Day on the Pork Farm** (Video- Grades K-5)

*It's educational, interesting, and fun as you watch farmer Bob with his pigs. See hundreds of pigs of all sizes and shapes as he takes you with him on his daily chores. © 1995 (R.P Productions)*

**Dig In** (Kit - Grades 3-4)

*By using ancient Egyptian culture and pyramids, students are able to learn basic educational skills and lessons about nutrition, food, and exercise. Students will be stimulated to be creative and critical thinkers through hands-on activities. Includes teacher's guide, student activity sheets, poster and audio cassette. Revised 1998 (National Cattlemen's Association)*

**Digging for Data** ( Kit - Grade 6)

*Introduces students to scientific methods and developing hypotheses. It also can be used as part of a nutrition unit. Students will become familiar with careers in archeology, animal science, and food technology. Includes video, teacher's guide, reference sheets and student activity sheets © 1990 (National Cattlemen's Beef Association)*

**Earthworm Empire the Living Soil** (Curriculum - Grades 9-12)

*Designed to promote learning through interdisciplinary problem solving and cooperative student participation. It is aimed at discovering the value of an environmentally sound agriculture and the relationship to our natural resources. © 1996 (Eldon Weber & 4-H)*

**Eat Right—Tips for Good Nutrition** (Book - Grades 2-4)

*Readers will learn how to have good nutrition following the food pyramid. © 2002 (Capstone Press)*

**EGGSpress Yourself** (Poster & CDRom- Grades 4-6)

*Integrated curriculum program, including language arts, math, science, social studies, family and consumer sciences, art and other creative skill areas on the subjects of health and nutrition, fitness, food safety, cooking, menu planning, budgeting and more. © 2004 (American Egg Board)*

**Electronic Field Trips** (Videos - Grades 1-5)

*Five fun and fact-filled videos that take viewers on field trips to three farms, an orchard, and a veterinary clinic. © 1997 (University of Kentucky Extension Office)*

**Explore More** (DVD set - Grades 7-12)

*DVD topics are Water Quality, The Future of Energy, Working Landscapes and Genetic Engineering. Each 30 minute DVD has an interactive teacher guide with a variety of educational resources including connections with standards, student activities, assessment rubrics, and discussion guides. There is interactive interview clips of stakeholders and experts on the issues. © 2003 (Iowa Public Television)*

**Exploring Planet Pizza** (Kit - Grades 4-6)

*Pizza is one of the most popular foods in America, so what better way to learn about agriculture than to study the pizza and its consumption. Students learn about pizza and agriculture through a variety of ways that incorporate Math, Reading, and Science skills. Video and activity sheets included. ©1998 (Indiana Farm Bureau)*

**Faces of Agriculture** (Poster/Activities - Grades 3-6)

*Presents ideas for teaching an awareness of and appreciation for what it takes to bring people their food and other life sustaining products. © 1999 (American Farm Bureau Foundation for Agriculture)*

**Fantastic Farm Machine** (Book - Grades K –3)

*Students are introduced to twelve big pieces of farm machinery that help get the job done. © 2006 (Boyd's Mills Press)*

**Farm Animals** (Book - Grades K-2)

*Learn all about why farmers raise animals and what those animals provide for others. © 2005 (Compass Point Books)*

**Farm Crops** (Book - Grades 1-3)

*Young readers will learn what crops are, how they are started, the importance of soil, different crops, and the caring and picking of crops. © 2005 (Compass Point Books)*

**Farm Facts Educator's Edition** (CDROM- Grades 4-12)

*Taken from the Farm Facts booklet this CD ROM contains a PowerPoint presentation of 40 frames. Each frame contains only one graphic from the Farm Facts booklet suitable for a classroom or public presentation. Graphic depictions from the 2004 Farm Facts publication have been enhanced to appear as one single image per frame suitable for presentation purposes. Intended to accompany the Farm Facts lesson plans for grades 4-6 and 7-12 or for use independent of the lessons for use in giving presentations, this resource is a great addition for the agricultural literacy tool chest. © 2004 (American Farm Bureau Federation)*

**Farm Friends** (Book - Grades 1-2)

*Readers will learn about the different kinds of livestock farms and something about each animal. There is a listing of the family names of each animal such as cows - cow, bull, calf, herd © 2002 (Compass Point Books)*

**Farm Fun** (CD - Grades K-3)

*Interactive learning activity designed to educate children about agriculture and farming. © 2001 (National Farmers Union)*

**Farm Life** (Book - Grades K-2)

*Learn about what happens on a farm—from chores to field and barn work—and what the farm provides to you. © 2005 (Compass Point Books)*

**Farm Machines** (Book - Grades K-2)

*Get to know what farm machinery is used for and how products leave the farm. © 2005 (Compass Point Books)*

**Farm Safety Activity Book** (Activities - Grades PK-12)

*Contains activities for individuals and groups. All activities are reproducible. (Farm Safety 4 Just Kids)*

**A Farm Through Time** (Book - Grades K-8)

*Illustrates the history of a farm from medieval times to the present day. Large color illustrations help to show the changes that have occurred in agriculture throughout history. ©2001 (DK Publishing)*

**Farms ABC** (Book - Grades PreK-3)

*Get to know the alphabet in both uppercase and lowercase letters. At the same time learn facts about animals, foods and other objects of interest to young children. © 2005 (Capstone Press)*

**Farms Feed the World** (Book - Grades 1-3)

*The book takes you on a visit to farms around the world, from a wheat field in Montana to a rice paddy in Indonesia and along the way, showing how farms give us the food and clothes we need. © 1997(Carolrhoda Books, Inc. )*

**Farms Long Ago** (Book - Grades K-2)

*Learn about how different farming was when there was no machinery to help farmers do the work. © 2005 (Compass Point Books)*

**Farmers Field to Our Kitchens** (Curriculum/Video - Grades 9-12)

*An introduction to the basic facts surrounding the important developments of biotechnology and the impacts it has on the food supply. The accompanying video covers some of the same information, but also includes comments and opinions from scientists, farmers and other food experts. It also includes questions and opinions from some of our leading chefs and food industry leaders. © 1995 (American Culinary Federation Education Institute)*

**The Farming Game** (Game - Grades 4-8)

*The Farming Game is a monopoly-like board game. The players each manage their credit, risk their income as they buy and sell land, and plan for the future. They might choose to raise fruit, wheat or develop the land in other ways. As the player circles the board; weather, taxes, and declining prices may all affect success. In an exciting, fun environment, The Farming Game encourages good decision-making skills. (6 players) ©1997 (The Weekend Farmer Co.)*

**Fields of Genes** (Teacher's Guide - Grades K-12)

*Children grades K-2 focus on understanding the living and nonliving parts of their world. They begin to develop the knowledge base on which they will build values, skills, and actions. Children grade 3 and up continue to explore and understand genetics, biotechnology, and genetic engineering. They examine social and scientific issues related to new technologies as well as their personal values and those of others. Finally, older youth also define, describe, and plan environmental stewardship activities related to biotechnology and the environment. © 1997 (4-H Council)*

**Fit For A King** (Video/Activities - Grades 3-6)

*This program was developed to help children understand the role of nutrition and regular physical activity in a healthy lifestyle. The video's fairy tale format is both entertaining and educational, communicating the "variety, balance, and moderation" message in ways that are relevant to the lifestyles of today's young people. © 1997 (American Academy of Pediatrics)*

**Food** (Book - Grades 3-9)

*This fascinating book examines how food is grown, prepared, and appreciated by different cultures around the world. Children will be interested to learn why certain foods are more popular in certain parts of the world and why we eat the foods we do. © 2001 (Crabtree Publishing Company)*

**Food & Fiber Systems Literacy** (Activities - Grades K-8)

*Includes suggestions for implementing food and fiber systems literacy education in schools and a narrative explanation of the themes and standards, outlining what a high school graduate should know to be agriculturally literate. © 1999 (Dept. of Agriculture and Education and Communications/Oklahoma State University)*

**FOOD Doesn't Grow in the Supermarket** (Video- Grades K-12)

*Explanation of how food is produced before it gets to the supermarket shelf. (New Jersey Agricultural Society)*

**Food from Farmers Fields to our Kitchens** (Kit- Grades K-5)

*Explanation of producing the raw materials, processing it into food, and distributing it to grocer's to stock their shelves. It comes with pre and post tests and a video explanation. © 2000 (Horizons 2000)*

**Food, Land, & People** (Lesson Plans - Grades K-12)

*Agriculture-related lesson plans written in Spanish and English. Meets national standards in a variety of subjects.*

**Food Safety Curriculum** (Curriculum - Grades K-12)

*Children are exposed everyday to a variety of things that could cause illness. Teaching students how they are exposed to diseases and what they can do to prevent some illnesses is warranted and could reduce the number of illnesses they may contract. Through the introduction of this curriculum on food safety, children will begin to form habits that will be lifelong and reduce their risk of illness due to food. (The Illinois Council on food & Agricultural Research)*

**Fresh From the Family Farm** (Video - Grades 1-6)

*Join seven-year-old Nick as he experiences the fun of visiting Steve's family farm. From corn and tomatoes to tractor rides, students will be a part of the action, helping Nick solve the mystery of growing fruits and vegetables. © 1995 (ZMedia Inc.)*

**From Corn to Cereal** (Book - Grade 1)

*An introduction to the basic concept of food production, distribution, and consumption by tracing the production of cereal from corn to the finished product. © 2004 (Capstone Press)*

**From Farm to Store** (Book - Grade 1)

*Young readers will learn where peanut butter comes from. There is also a word list. © 2004 (Compass Point Books)*

**From The Garden** (Book - Grades PK-1)

*Count the different fruits and vegetables the family picks and find the hidden number on each page. © 2004 (Compass Point Books)*

**Fueled for Flight** (Kit - Grades 5-6)

*Five lesson plans or "missions" help students with Math and Science skills, using the space shuttle as the theme. They relate these skills to their everyday lives through nutrition and exercise. Includes video, teacher's guide and student*

*activity sheets © 1998 (National Cattlemen's Association)*

**Fueling Iowa's Economy** (Video- Grades K-12)

*Video relating Ag production of cattle, corn, and ethanol to Iowa's economy. (Iowa Corn Promotion Board)*

**GPS Kit** (Kit - Grades 7-12)

*Ready to Navigate with GPS kit includes 10 GPS units, 10 compasses, video, navigation curriculum, map software, overhead teaching compass, and mapping activities. (ISU Extension)*

**Gee Whiz in Agriculture** (Kit - Grades 1-5)

*Eleven fact-filled videos that take viewers on journeys to farms, factories, fields, forests and even to the future. Each video comes with a teacher's guide and activity sheets. (University of Kentucky)*

**Getting Into the Food Mood** (Teacher's Guide - Grades 3-10)

*This guide helps teach students about where our food comes from, how we view it, and how we are assuring that future populations will be fed. Three guide books. © 12/1996 (4-H Council)*

**Grain Gravity Flow Wagon** (Hands on demo - Grades K-6)

*Miniature working wagon model demonstrates the dangers of flowing grain with a toy person. Grain (un-popped popcorn) not included. (Farm Safety 4 Just Kids)*

**The Grain Group** (Book - Grades K-2)

*Young readers will learn where the grains are on the food pyramid and what kinds of food are included in the grain group. © 2000 (Capstone Press)*

**Great Grain Harvest** (Teacher's Guide - Grades 6-12)

*This grain safety educational packet includes one Tug of War with Grain curriculum notebook with four 30-minute experiments and activities for middle and high school students. The activities focus on the math and physics of grain entrapment and suffocation hazards. The packet includes activity sheets and decals. (Farm Safety 4 Just Kids)*

**Growing a Nation** (CD - Grades 5-12)

*The presentation of significant historical events focuses on the important role agriculture has played in America's development. Students will gain an appreciation of our agricultural history and how agricultural events have affected our lives in America today. These accounts include multimedia resources, classroom activities, and statistics that help students analyze historical subjects and project trends for the future. © 2005 (LetterPress Software, Inc.)*

**The Growing Season** (Video- Grades pk-5)

*A story of faith and family, of pigs and parachutes on one family farm in Iowa. The film reconnects us to the cycle of life and its seasons on the land. © 1997 (Pigtail Productions)*

**Growing Seasons** (Book - Grades 4-5)

*This book tells the story of Elsie and her family as they lived as tenant farmers renting land in the early years of the twentieth century, and how the changing seasons shaped their lives. © 2000 (Elsie Lee Spear)*

**A Guide to Food & Fiber Systems Literacy** (Teacher's Guide -Grades K-12)

*This guide summarizes what children should know about food and fiber systems to be agriculturally literate. It is composed of a compendium of standards, benchmarks, explanatory narrative, and sample instructional materials. © 1998 (Oklahoma State University)*

**Harvest Time** (Book - Grades 1-2)

*Young readers will learn how different crops are harvested. © 2002 (Compass Point Books)*

**Harvest Year (Book- Grades K-12)**

*A month- by- month sampling of a wide diversity of crops grown in the United States every year. From the fields to orchards and the amazing a equipment used during different harvest seasons. © 1996 (Alvis Uptis Jacket)*

**Heartland** (Book - Grades K-12)

*The full color pictures in Heartland authored by Diane Siebert celebrate the American Midwest, its farms, towns and cities, its resources and products, and its natural beauty.*

**Help a Habitat** (CD/Educator Packet - Grades 4-9)

*The major purpose of this activity is for students to become familiar with the components of a habitat, and recognize there is not sufficient food, water, shelter, and space for animals to survive. © 2000 (Council for Environmental Education)*

**Hooray for Beekeeping** (Book - Grades 3-4)

*Helps educate students on what the 'buzz' is on beekeeping. What do we see when you look at a bee and how helpful they are. © 1998 (Crabtree Publishing Company)*

**Hooray for Dairy Farming** (Book - Grades 3-4)

*Helps educate students on dairy farming and how a dairy farm operates. © 1998 (Crabtree Publishing Company)*

**Hooray for Orchards** (Book - Grades 3-4)

*Helps educate students on the day-to-day operations of orchard farmers. © 1998 (Crabtree Publishing Company)*

**Hooray for Sheep Farming** (Book - Grades 3-4)

*Helps educate students on the day-to-day operations of a sheep farm. © 1998 (Crabtree Publishing Company)*

**How Much is a Million?** (Book- Grades K-5)

*Authors take complex numbers and break down to size for your students to understand from taller than and counting how many that actually is. © 1985 (David M. Schwartz and Steven Kellogg)*

**Hungry Planet** (Book - Grades 9-12)

*A photographic study of 30 families in 24 countries. This book shows what the families eat in a normal week. Each family's profile includes a detailed description of their weekly food purchases including cost. © 2005 (Ten Speed Press)*

**I Drive a Tractor** (Book - Grades K-2)

*See what it's like to spend the day in one of these slow but hard working machines. © 2006 (Picture Window Books)*

**In the BLINK of an EYE** (Video- Grades 8-12)

*Provides a user friendly approach for improving a driver's ability to recognize and safely interact with farm tractors, combines, and other slow-moving vehicles that travel on public highways. © 2001 (Illinois Farm Bureau)*

**The Incredible Classroom Eggsperience** (Video- Grades 6-12)

*Video developed to provide students of varied interests and ability levels a working knowledge of egg production, nutrition and preparation. © 1995 (American Egg Board)*

**The Incredible Classroom Eggsperience** (Teacher's Guide- Grade 6-12)

*Cross-curricular program, including family and consumer sciences, language arts, math, social studies, business and other skill areas on the subjects of health, food and nutrition. © 1995 (American Egg Board)*

**Innovations in Agriculture** (Teacher's Guide - Grades 7-8)

*Designed to provide you with ideas and materials, which facilitate integration of agricultural concepts into your classroom activities and provide many hands-on activities to encourage learning. © 2002 (Illinois Farm Bureau)*

**Iowa** (Book - Grades K-2)

*Introduce your young readers to Iowa. Learn basic geographic facts along the way. © 2004 (Scholastic Inc.)*

**Iowa Agricultural Statistics 2007** (Book - Grades 7-12)

*The statistics not only gives an overall picture of Iowa agriculture, it also breaks the information down on a county-by-county basis. Great source for scientific research, data analysis, and real-life math problems. © 2005 (USDA & Iowa Farm Bureau)*

**Iowa's Environmental Stewards (1) & Beef: From Our Pasture to Your Plate (2)** (Video - Grades 3-6)

*This video shows how Iowa cattle producers care for the environment and how two Iowa cattle producers make a living from the land while disturbing the land as little as possible. (2) Part two of this video provides information on*

*the farm-to-table story of beef production. Not only do cattle enhance our environment but they also provide us with a very nutritious food—beef. (Iowa Beef Council)*

**Iowa Food Production Web** (Kit - Grades 4-6)

*With this video, activities, and poster, follow food from the farm to the dinner table. Learn about natural resources and people, plants, livestock, wild animals, harvesting, processing, distribution, marketing, and consumers. Meets benchmarks and teaching standards in Social Studies, Life Science, and Language Arts. © 2003 (Iowa Agriculture Awareness Coalition)*

**Iowa Puzzle** (Puzzle- Grades K-12)

*Helps students learn the geography of Iowa by putting together the piece of the puzzle.*

**Iowans Who Made a Difference** (Book - Grades 3-12)

*This book presents a picture of Iowans, past and present, who have had an impact on agriculture through their work in crop and livestock production, science, inventions, education, government, agribusiness, religion, organizations, and media. © 1996 (IA Farm Bureau Federation)*

**It's A "Puzzlement"!** (Teacher's Guide/Activities - Grades K-6)

*Shows how the products from cotton, sheep, and cattle are manufactured into goods that are important in providing our basic needs. An outline of the fiber system is included. (National Farm-City Council, Inc.)*

**Kid TV News** (Video - Grades Pre-K-1)

*Learn more about real farmers, baby pigs, pig history, and little known pig facts. © 1999 (Iowa Pork Producers)*

**Kids, Crops, and Critters in the Classroom** (Teacher's guide - Grades K-3, 4-6)

*Designed to provide teachers with ideas and materials to facilitate the integration of agricultural concepts into classroom activities. Provides many hands-on activities to encourage learning. The guide is organized into six categories: Math, Science, Language Arts, Social Studies, Fine Arts, and Health/nutrition/safety. © 2000 (Illinois Farm Bureau)*

**Kids Talk Farm Safety Stuff** (Video- Grades K-6)

*Kids talk about farm Safety and staying safe on the farm. (Farm Safety 4 Just Kids)*

**The Life Cycle of a Cow** (Book - Grades K-2)

*The book describes and illustrates the life cycle of a Holstein cow. The photographs support early readers in understanding the text. © 2003 (Capstone Press)*

**Life on the Farm Game** (Game - Grades 3-6)

*This board game combines the fun of life on a family farm with fast moving action for an unpredictable great family game. As you wind along the cow-path, authentic family farm mishaps await you. (2-6 players) ©2003 (We R Fun)*

**Life on the Farm Game Preschool Edition** (Game - Grades PK-2)

*Preschoolers will love the happy farm scenes; deep colors and soft feel of this non-toxic foam play mat/board game/farm puzzle set. Draw a card and match colors to move along the game mat. Land on an animal square and barn puzzle. Fill the barn with farm animals to win. (2-6 players) © 2003 (We R Fun)*

**Literature Links to Agriculture** (Teacher's Guide - Grades K-8)

*These lessons lend themselves to creating an integrated learning experience for students in language arts, science and math. © (Mid Atlantic Ag in the Classroom)*

**Listening to the Prairie - Farming in Nature's Image** (Teacher's Guide - Grades PK-1, 2-5, 6-8, 9-12)

*These activities serve as a method to engage students and families in the daily issues of agriculture and the food and fiber industry. Each lesson contains a brief overview, objectives, a list of materials needed, background information, activity instructions, and suggestions for extensions for those who wish to further explore the lesson topic or concept. (New York AITC)*

**Magnetic Farm Display** (Display - Grades PK-3)

*Magnetic farm scene with 23-piece that allows you to move around pieces on the play board to create an endless*

*combination of farm scenes. Ability to slide the pieces creates action, making the scene come alive. (Smethport Specialty Co.)*

**Make Milk Mine** (Video- Grades K-6)

*Teaches elementary kids where milk comes from. How milk is transported and processed. How milk contributes to a nutritious diet. (American Dairy Farmers)*

**Microscopes and Cells** (Teacher's Guide/Activities - Grades 4-5)

*Exposes students to biotechnology's complex scientific and technological issues, arouse students' interest in pursuing careers in science and technology, provide students with experiential learning opportunities that promote appropriate life skill development, and to teach science and technology concepts. (National Science Education Standards, National Research Council © 1996 (National Academy Press)*

**Milk Vending Packet** (Video and Informational Packet)

*Informational packet on how to go about getting milk vending machines in your school. Sample letters from various professionals to help support the need are included. (Provided by Midwest Dairy Assoc.)*

**Modern Marvels: Farming Technology** (DVD - Grades 7-12)

*Behind your fully-stocked local market stands an extraordinarily sophisticated network that has revolutionized every step from seed to shelf. © 2002 (The History Channel)*

**Moo 2 You** (Video/Teacher's Guide/Activities - Grades K-4)

*Join Ms. Moo in a fun, fast moving learning experience. Through zany activities, Ms. Moo and her class discover life on a dairy farm, where milk comes from, how cheese is made, and milk group foods. © 1999 (National Dairy Council)*

**Mud, Muck and Other Wonderful Things** (Teacher's Guide - Grades K-3)

*Develops a sense of stewardship of the land and address basic ecology and critical thinking skill development. There are many outdoor and indoor activities for you to use. © 1995 (4-H Council)*

**My Cheeseburger Came from the Farm!** (CD - Grades 4-6)

*PowerPoint presentation and activities shows the connection between the farm gate and the consumer plate. © 2003 (Iowa Beef Industry Council)*

**The Munchsters Talk About Food** (Teacher's Guide - Preschool)

*Through the use of hungry critters called the Munchsters, this kit offers lessons for developing the language skills of young children as well as introducing them to new foods and importance of developing good eating habits. © 1999 (National Cattlemen's Beef Association)*

**The Murky Water Caper** (Book - Grades 7-12)

*This book tells a story about water pollution. Use this as a script to create your own mystery play. © 2001 (Assoc. of State & Interstate Water Pollution Control Administrators and America's Clean Water Foundation)*

**National Agricultural Aviation Association** (Teacher's Guide - Grades K-12)

*Introduce the importance of the industry of agricultural aviation and the concern it has for the safe application of approved products and the environment. (Women of the National Agricultural Aviation Association)*

**The NEED Project** (Teacher's Guide - Grades K-12)

*The National Energy Education Development (NEED) Program includes innovative educational materials, teacher and student training programs, evaluation, and recognition. This program provides a comprehensive and objective information about energy production and consumption and the major energy sources - how they are used and their impact on the environment, economy and society. The program emphasizes the development of critical thinking and problem solving skills using hands-on activities that encourage students to consider the trade-offs inherent in energy use. © 2002 (The NEED Project)*

**Pack a Powerful Punch with Protein** (DVD - Grades 5-8)

*This interactive program developed for Family and Consumer Science Classrooms focuses on meat and protein and their relationship to MyPyramid food guidance system. © (The Other White Meat)*

**Pigs** (Book - Grades K-2)

*Why is it that pigs like the mud so much? In this book, find out this interesting fact and many more.* © 1996 (Capstone Press)

**Pigs Have Piglets** (Book - Grades K-2)

*Learn all about what piglets do, how they get fed, and what color they are.* © 2000 (Compass Point Books)

**Pigs on the Farm** (Book - Grades K-2)

*Book describes and illustrates pigs on a farm. The repetition of words and phrases help young readers learn new words.* © 2002 (Capstone Press)

**Pit Deluxe** (Card game - Grades 2-6)

*Shout your deal and trade cards to “corner” the market. Be the first to get all the cards of one commodity, ring the bell, and you will win the hand. You will feel like a trader in the “pits” of the exchange! Beware of the Bear and take your chances with the Bull. (3-8 players)* © 2002 (Winning Moves)

**Plant Plumbing** (Book - Grades 2-6)

*Book describes and illustrates the roots and stems of plants.* © 2003 (Picture Window Books)

**Pizz-A-Thon Kit** (Learning tool - Grades K-12)

*Kit is versatile as it spans all grade levels and can be used in Science, Math, Business, Language Arts, Family and Consumer Science, Agriculture, Social Studies, and Natural Resources. The purpose is to make student consumers aware of the agri-food systems industry and associated careers by using one of their favorite foods. Meets benchmark standards. (Updated 2004 Eldon Weber)*

**Plant Plumbling** (Book - Grades K-2)

*How do plants store food during cold winters? How do they carry water up to the leaves? You’ll enjoy learning about roots and stems in this lively book.* © 2003 (Capstone Press)

**Play Safe: The Farm Safety Challenge Game** (Game - Grades 9-12)

*Challenge the players to think about farm safety and what is right and wrong on a farm operation.* © 1995 (New York Center for Agriculture Medicine & Health)

**Popcorn** (Book - Grades K-4)

*This book tells you everything you ever wanted to know about popcorn. You will find out how popcorn pops, where it grows, even the history behind this great snack.* © 2003 (Charlesbridge Publishing, Inc.)

**Pumpkins** (Book - Grades 1-3)

*Pumpkins brighten up autumn days in so many ways. But how much do you really know about this garden giant!* © 2004 (Charlesbridge)

**Ready Rooster in Ready For Safety** (Video- Grades K-6)

*Ready for Safety makes learning safety fun. Ready’s message is something everyone should keep in mind- “Sometimes it’s good to be a Chicken”* © 1995 (John Deere & Company)

**Responding to Farm Stress** (Video- Grades 9-12)

*Helps students recognize some signs of stress that they may be dealing with or some family members and friends. It also shows what you can do to help. (Mercy Medical and Iowa Farm Bureau Federation)*

**Rising to the Occasion** (Teacher’s Guide - Grades K-12)

*This guide is to help teach children how to make bread and prepare for careers in the food industry.* © 1997 (National Center for Workforce Preparation and National 4-H Council)

**Safety Net** (Video- Grades K-12)

*A high energy program featuring kids talking to kids about safety on the farm.* © 1994 (Farm Safety 4 Just Kids)

**Science and our Food Supply** (Curriculum/Video - Grades 7-12)

*A wide selection of inquiry-based lessons that provide you with several weeks of instruction. Guided by the National Science Education Standards, this program serves as a supplemental curriculum that can be easily incorporated into your Biology, Life Science, or other science classes. © 2001 (National Science Teachers Association)*

**Science in Your Shopping Cart** (Book- Grades 6-12)

*Some of the many ways, both familiar and surprising, that agricultural research touches and improves daily life in the United States. © 1996 (U.S. Department of Agriculture)*

**Scramble Squares** (Puzzle - Grades PK and up)

*Unscramble the nine squares pieces by perfectly matching the pictures on the squares' edges, forming a large square. A great mental problem solving activity. ©1996 (B. Dazzle, Inc.)*

**A Seed in Need: A First Look at the Plant Cycle** (Book - Grades PreK-2)

*A colorful parade of inquisitive insects follows the progress of a sunflower seed and the life cycle of a sunflower. © 2005 (Picture Window Book)*

**A Seed Is a Promise** (Book - Grades 2-4)

*In every seed there is a promise that a new plant will grow. Where do seeds come from? How do they grow? This book will tell you all about seeds. © 1973 (Claire Merrill)*

**Seeds** (Book - Grades K-2)

*In every seed there is a promise that a new plant will grow. Where do seeds come from? How do they grow? This book will tell you all about seeds. © 1998 (Capstone Press)*

**Sheep** (Book - Grades K-2)

*Do you know what a sheep is or what they look like? Did you know there are different kinds of sheep? Would you like to learn how to spin your own yarn? Find out in this book! © 1996 (Capstone Press)*

**Sheep Have Lambs** (Book - Grades K-2)

*Learn all about what lambs are, how they arrive, what they look like, and what they do. © 2000 (Compass Point Books)*

**SLICE** (Teacher's Guide/Activities - Grades K-6)

*Activities will assist teachers in educating children about the role of the farm in providing food and products for the city, develop an understanding of the interdependence between farm and city and show farm products throughout the marketing system, from production to consumption. © 1992 (National Farm-City Council, Inc.)*

**Smart Mouth** (Game - Grades 3-12)

*A word game that is adaptable to many different ages. Slide the dispenser ahead and two letters appear. Now think of a word that begins with the first letter and ends with the last. Smart Mouth is a simple, but challenging game for one or for a room full of players.  
(2 or more players) © 2001 (ThinkFun Inc.)*

**Soy Sleuth** (Teacher's Guide - Grades 3-4, 5-6, 7-8)

*Consists of lesson plans, worksheets and experiments that incorporate soybeans into Health, Science and Social Studies. Included CD-Rom provides a backup of all lesson plans and activities. (Osborn & Barr Communications)*

**Soybean Science Kit** (Kit - Grades 3-12)

*Introduce young children to science and its fundamentals in a very applied, enjoyable way. Students will perform experiments such as making adhesives from soybean protein; and candles, crayons, ink and hand cream from soybean oil. Everything included for a class of 30 except a few readily available household materials. As the students learn about the physical properties of polymers and oils and their functional aspects, they will gain an appreciation for the importance of renewable resources in the manufacturer of numerous industrial products. © 1997 (Indiana Soybean Board & Purdue Research Foundation)*

**Summer on the Farm** (Video - Grades K-12)

*Get an up close and personal look at this farm operation. From planting to harvest, hopefully this movie will answer all your farming questions. © 1994 (Summer on the Farm Series)*

**Take a Cook On The Wild Side** (Teacher's Guide/Video - Grades 7-12)

*Designed to help students learn about life skills in food safety, nutrition and beef preparation. Includes teacher's guide, video, student booklets, poster and activity sheets. © 1999 (National Cattlemen's Association)*

**Teach Me about Soybeans** (Packet - Grades K-4)

*Contains a literature book ("Why the Brown Bean was Blue"), teacher's guide, student activities, game, bookmarks, and soybean seeds. © 1996 (Nebraska Foundation for Agricultural Awareness)*

**Tech Watch** (Video - Grades 7-12)

*This video offers a glimpse of some truly amazing ways science and technology have teamed up with agriculture to help make American food and fiber production efficient, effective and environmentally responsible. © 1997 (Minnesota Agriculture in the Classroom)*

**Ten Things Kids Want to Know About Farming** (Video/Teacher's Guide - Grades 4-6)

*A series of field trips to farms and ranches throughout the United States, offer students a firsthand view of how the food and clothing we eat and wear everyday is produced. Scenes of farmers using tractors, irrigation systems, harvesting crops, milking cows and herding sheep invite students to experience a world largely unknown to them. © 2001 (American Farm Bureau Foundation for Agriculture)*

**Terrific Topics Farm** (Activities - Grades Pre-K-1)

*This activity book is full of creative activities that link the study of farm animals to all areas of the curriculum. Students will learn about farm animals through Language Arts, Math, Science, Music and Movement, Social Awareness, Arts and Crafts, Indoor/Outdoor Games, and Cooking activities. Each activity includes a description of the skills taught, complete teacher directions, and all necessary reproducible patterns. © 1994 (Carson-Dellosa Publishing Company, Inc.)*

**Things We Can Learn From a Cow & a Worm** (Poster/Activities - Grades 5-6)

*Students learn how to better conserve precious resources by identifying natural animal ability and behavior and applying the concepts to their own lives. On the backside of the poster are student activity sheets that can be duplicated. © 1996 (National Cattlemen's Association)*

**1001 Things to Spot on the Farm** (Book - Grades K-3)

*Every page has a new farm scene with lots of things to find and count. This charming picture book will provide hours of puzzle-solving fun. ©1998 (Usborne Publishing Ltd.)*

**A Tractor Goes Farming** (Book - Grades PK - 3)

*Students will learn how and why tractors are used in so many different ways on the farm through photos and simple text. © 1995 (American Society of Agricultural Engineers)*

**3Rs...Guide To Fun Recycling Projects** (Activity Book - Grades K-12)

*The 3Rs activity book is an educator's guide to fun recycling projects. This publication was created to increase the environmental awareness among students and achieving long-term behavior changes to ensure the wise use of our natural resources. (University of Illinois Extension and Illinois Department of Commerce and community Affairs)*

**Tractors, Combines and things on the Grow** (Video- Grades pk-5)

*Shows students the wonders of where food really comes from and how it ends up on grocer's shelf. © 1994 (Just Our Size Videos)*

**Tractors, Cotton-Pickers and the Stuff Kids WEAR** (Video- Grades K-6)

*Students will discover how their favorite pair of blue jeans came from a tiny cotton seed. From the struggles of a tiny silkworm to the rumblings of a giant cotton harvester. © 1995 (American Farm Bureau)*

**Transportation Fuels – Ethanol** (Teacher's Guide - Grades 4-12)

*Information and activities to teach students about ethanol as a transportation fuel. Subject areas include Science, Social Studies, Math, Language Arts, Art/Music/Public Speaking, and Technology. Correlated to National Science Content Standards. © 2004 (The NEED Project)*

**Travel Bingo** (Game - Grades PK - 6)

*Travel bingo cards that include common farm items. Player must locate each item while traveling and the first player with a “bingo” wins!*

**Turkey Production in Iowa** (Video - Grades K-12)

*Shows production of an Iowa turkey farm. © 2002 (Iowa Turkey Council)*

**Turkeys on the Farm** (Book - Grades K-2)

*Learn all about turkeys including the sounds they make. © 2002 (Capstone Press)*

**Turning the Tide & Student Information Kit** (Grades - 6-12)

*A citizen's guide to reducing runoff pollution. © 2001 (Assoc. of State & Interstate Water Pollution Control Administrators and America's Clean Water Foundation)*

**Unusual Farms** (Book - Grades K-2)

*Find out what is found on unusual farms—from ostrich to fish and even bamboo. © 2005 (Compass Point Books)*

**A Visit to The Farm** (Book - Grades K-2)

*Take a visit to places that affect our daily lives. Read about the people, equipment, and activities at the farm. Young readers will learn the importance of the farm in relation to their world today. © 2004 (Capstone Press)*

**We Need Farmers** (Book - Grades K-2)

*This book describes and illustrates farmers and how they help people. The photographs support early readers in understanding the text. ©2000 (Capstone Press)*

**Were You Born In A Barn?** (Cassette - Grades K-6)

*A musical tape, which captures various aspects of agriculture. This is a fun and entertaining way to introduce agriculture into the classroom!*

**What Is A Watershed?** (Book - Grades 2-6)

*Guide for children to learn about the ecosystems and the environment. (America's Clean Water Foundation)*

**What's Happening? On the Farm** (Book - Grades K-1)

*Designed to amuse young children and stimulate them to talk, encourages them to learn new words, and to distinguish visual differences of shape and color. ©1992 (Usborne Publishing Ltd.)*

**Whiz Kid Activity Packet** (Kit - Grades 4-6)

*This packet contains a video, teacher's guide, and an assortment of ag research-oriented student quizzes and activities designed for use in school classrooms, student clubs, or other events. Mix and match...pick and choose... those that best fit your program and students' level of interest and comprehension. © 2000 (Agricultural Research Service)*

**Wool, Leather, and Cotton Activity Sheets** (Activity Sheets - Grades 4-8)

*Activity sheets about Wool, Leather, and Cotton include vocabulary words, facts, sources, and products made. (National Farm-City Council, Inc.)*

**Wow that Cow!** (CD - Grades K-3)

*PowerPoint presentation for learning about cattle and the beef industry. Classroom activities are also included. © 2003 (Iowa Beef Industry Council)*

**Young Driver-The High Risk Years** (Video- Grades 9-12)

*Video tape listens to 16 year olds tell why they want their driver's licenses and what driving means to them. Parents of beginners who died in crashes tell how the tragedies happened and how they're affected. © 1995 (Insurance Institute For Highway Safety)*