

# CONSERVATION VIDEO AND DVD

## LIBRARY

2011



# **Association of Texas Soil & Water Conservation Districts**

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Public Information/Education Committee

## **Video and DVD Library Usage Policy**

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Conservation issues.....



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Conservation Video Library

Today!

**(1) TEAMWORK IN AGRICULTURE.....A TEXAS SUCCESS STORY**

(Texas Farm Bureau)

Length: 8:30 minutes Release Date: 1992

Appropriate for All Ages



A video program hosted by Nolan Ryan that chronicles the miracle of food and fiber production in our state. The program is well suited to both rural and urban audiences, especially community and service clubs.

**(2) PROTECTING OUR TEXAS BAYS & ESTUARIES**

(Texas Water Development Board and the Texas Parks & Wildlife Department)

Length: 10-12 minutes Release Date: 1989

Appropriate for High School Biology/Science

The joint efforts of the Texas Water Development Board, the Texas Water Commission (Texas Natural Resources Conservation Commission, and the Texas Parks and Wildlife Department to protect and preserve the state's bays and estuaries are described (1989).



**(3) EDWARDS AQUIFER – A TEXAS TREASURE**

(Edwards Underground Water Districts)

Length: 30 minutes Release Date: 1989

Appropriate for Junior High – Adults

Defines what an aquifer is. Dramatic introduction catches attention and following documentary explains how an aquifer works. Discusses how water flow is measured in and out of an aquifer and how we help to recharge it.

**(4) I NEED THE EARTH AND THE EARTH NEEDS ME**

(General Motors Corp.)

Length: 18 minutes Release Date: 1990

Appropriate for Elementary

Video is designed to instill a sense of intimacy between the viewers and the earth and to stimulate interest in learning more about the environment. It is divided into five sections: introduction, air, water, soil and conclusion.

### **(5) SOIL CONSERVATION**

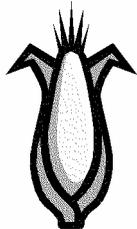
(CEV)

Length: 21 minutes

Appropriate for Jr. High – Adult

Examines soil erosion, its impacts on our economy and causes and prevention.

Teaches soil conservation techniques.



### **(6) BRUSH – A LAND OF POTENTIAL**

(Association of Texas Soil & Water Conservation Districts)

Length: 30 minutes      Release Date: 1993

Appropriate for High School – Adults

This video examines the reasons behind the colonization and infestation of brush in various areas of the state.

### **(7) AMERICA'S SOIL: THE ERODING FOUNDATION**

(Walter J. Klein Co., Ltd.)

Length: 30 minutes      Release Date: 1984

Appropriate for Ages 6 – Adults

The dust bowl disaster of the 1930s may pale in comparison to what America faces now. Our entire food production is threatened by billions of tons of topsoil washing away each year. Hollywood's Eddie Albert stars in the first motion picture to fact this national challenge. He takes viewers on an unforgettable trip across a nation washing into the sea.

### **(8) WATER: A TREASURE IN TROUBLE**

(Pyramid)

Length: 14 minutes

Appropriate for Junior High

This film shows why water is one of greatest treasures, how pollution threatens our water supply, and what we can do to safeguard our sources of pure water.



**(9) HAROLD AND HIS AMAZING GREEN PLANTS**

(Coronet)

Length: 8 minutes

Appropriate for Elementary School

This basic botany lesson for the youngest audience follows the life cycle of a green plant from seed to maturity, showing the necessity of water, soil, sunshine, and air for growth. A clever, animated film for youngsters.

**(10) SOIL: FROM THE BEGINNING**

(Altschul Group)

Length: 11 minutes      Release Date: 1989

Soil is one of the earth's most important natural resources, but it is often overlooked. This program discusses the origins of soil, its composition, and its importance to all living things. Soil erosion can be a threat to living things. The various methods of soil conservation are also reviewed.

**(11) FARMING**

(National Geographic)

Length: 16 minutes      Release Date: 1985

Appropriate for Grades 2 – 6

The film takes students from farms and ranches where foods are produced to supermarkets where food is sold. By following the activities of farmers throughout the year, students learn how a variety of vegetables, grains, fruits, and meats are produced. They also learn about several animals that are raised for their meat or eggs.

**(12) CONSERVATION AND OUR FORESTS**

(Britannica)

Length: 15 minutes      Release Date: 1966

Appropriate for Junior High – High School

Through tree farming and careful utilization of trees that are cut, we can conserve our forests while supplying our need for wood products.

### **(13) MAJOR RIVERS**

(LCRA & Educational Dev. Specialist)

Length: 8:30 minutes      Release Date: 1989

Appropriate for Elementary – Junior High

A crusty, old character named Majors, who rides a horse Aquifer, tells how people used to get their water and how they get it today. He talks about dams, reservoirs, and aquifers as well as the way a wastewater system works. Ways to conserve water are shown.

### **(14) WHAT'S TO EAT?**

(Texas Farm Bureau)

Length: 12 minutes

Appropriate for All Age Groups

Showcases some of the major agricultural commodities raised in Texas. Narrated by a young rancher, the video features cotton, wheat, poultry, beef cattle and dairying and how the food and fiber we use gets from the field to the table. Designed for elementary students, but can be enjoyed by any age group.

### **(15) FRESH WATER: RESOURCE AT RISK**

(National Geographic Society)

Length: 28 minutes      Release Date: 1993

Appropriate for Elementary – Junior High

Reviews threats to North America's water supply. The viewer travels to the Great Lakes region, the Great Plains, the Southwest, and Florida to see how people are trying to protect the quality and quantity of their freshwater resources.



### **(16) CONSERVATION ON YOUR OWN**

(NACD, USDA – NRCS)

Length: 1 hour

Appropriate for Agricultural Producers

A “how to” video designed for farmers and ranchers. The video features eight widely used soil conservation practices such as how to measure and manage crop residues, how to lay out contour lines, how to lay out contour buffer strips, what to consider in strip cropping, how to lay out wind strips, how to control small gullies with grass, how to plant and maintain field windbreaks and how to keep terraces working. Shown in a step-by-step approach.

**(17) BLUE BELL ICE CREAM**

(CEV Multimedia)

Length: 22 minutes      Release Date: 1997

Appropriate for Elementary – Adult

Find out how Fudge Brownie Nut and Banana Pudding ice cream is made. Following 200,000 gallons of fresh cream milk through homogenization, adding of flavors and ingredients, mixing, packing and freezing.



**(18) THE DAIRY PLANT**

(CEV Multimedia)

Length: 28 minutes      Release Date: 1992

Appropriate for Elementary – Adult

Take a tour of the Wisconsin Dairy Plant! Walk beside the gleaming machinery and learn the ins and outs of milk processing and packaging. Viewers learn how butter, cheese, yogurt, sour cream and ice cream are manufactured.

**(19) TEXAS SHORES....SAVING WHAT'S LEFT**

(Texas State Soil & Water Conservation with the Natural Resources Conservation Service and the Texas Agricultural Extension Service)

Length: 26:50 minutes      Release Date: 1990

Appropriate for All Ages

The video examines the causes and effects of coastal shoreline erosion. Dramatic effects of storm and wave action show water's destructive power.

**(20) CONSERVATION TILLAGE SYSTEMS FOR TEXAS**

(Produced in cooperation with the Natural Resources Conservation Service, Texas Agricultural Extension Service, and the Association of Texas SWCDs)

Length: 15 minutes

Appropriate for Agricultural Producers

The video examines conservation tillage systems used in various land resource areas of the state. The video points out the advantages and disadvantages of conservation tillage systems. The video is targeted to the farmer who is thinking about using conservation tillage.

**(21) LET'S VISIT TEXAS**

(Texas Farm Bureau) Release Date: 1991

Length: 27 minutes VOLUME I – Mountains & Basins

Length: 23:40 minutes VOLUME II – High Plains

Length: 25 minutes VOLUME III – Central Plains

Length: 42 minutes VOLUME IV – Coastal Plains

“Let’s Visit Texas” takes students on a tour of our Long Star State. This four-volume set fits in with your study of Texas history and geography. Each volume title explores one of the four major geographic regions of Texas. Students see the diversity of crops and livestock that are raised in the state and how climate in each region affects the agricultural products grown there. They also get to visit historical sites as well as major cities and other points of interest in each region.

**(22) WILDLIFE FOR TOMORROW**

(Texas Parks & Wildlife Department)

Length: 20 minutes

Appropriate for Grades 4 – 7

The video examines various wildlife species and successful conservation methods. It is the story of unendangered species.



**(23) THE WEALTH IN WETLANDS**

(NACD)

Length: 23 minutes

Appropriate for All Ages

This cooperatively produced video includes interviews with five farmers who believe there is a place for wetlands on their farms. Also featured is a brief overview of wetland losses, restoration methods and sources of help.

**(24) WHATEVER BEFALLS THE EARTH**

(Gary Potts Production)

Length: 30 minutes

Appropriate for Junior High – Adult

Produced by Collin County Public Works. Reveals how citizens from all walks of life in Collin County worked together to conserve native prairie and green belts in a high population density area.

**(25) JOURNEY OF THE BLOB (LOOK AGAIN SERIES)**

(Bullfrog Films, Inc.)

Length: 10 minutes      Release Date: 1990

Appropriate for Grades K – 6

Illustrates the water cycle and raises many questions about environmental responsibility and the consequences of our decisions.

**(26) THE GLOBAL ENVIRONMENT: BREAKING GROUND**

(Coronet)

Length: 20 minutes

Appropriate for High School

This program examines the problem in Nepal, Kenya and the United States and finds not only devastation but also some current solutions: forestation, protective planting, and cutting techniques. The program also raises consciousness about lands and lives in jeopardy.

**(27) LIFE IN THE GRASSLANDS (2<sup>nd</sup> EDITION)**

(Britannica)

Length: 11 minutes      Release Date: 1978

Appropriate for High School – Adult

For many centuries the prairie grasslands of North America have sustained a unique pattern of plant and animal life. This second edition of LIFE IN THE GRASSLANDS covers the complex interrelationship of animal, plants, soil and climate. Viewers see the complete grassland succession cycle – including fire and subsequent re-growth – in this overview of the American prairie. Outstanding photography of plants and animals in their environment, along with maps and other graphics, show how grasslands ecology is changing in the face of encroaching civilization.



**(28) WATER RUNS DOWNHILL**

(Altschul Group Corporation)

Length: 13 minutes

Appropriate for Elementary – Junior High

This program tracks where water comes from, where it goes and how it moves. It describes how water's movement affects the land.

**(29) WHERE DOES IT COME FROM?**

(National Geographic Society)

Length: 15 minutes Release Date: 1993

Appropriate for Elementary

Young investigators in a children's detective agency discover how some of the familiar items that we use, wear or eat are made: how paper comes from trees, how jeans are fashioned from cotton fibers, and how pizza is created from a variety of other foodstuffs. After learning about raw materials required, how they are processed, and how they are used, students will be more inclined and better able to inquire about the origins of other everyday objects around their homes and schools. Original music and song help make this a delightful, informative video.

**(30) THE CONTINUING FOREST: MANAGING THE SOURCES OF OUR NATIONAL FORESTS**

(Caterpillar, Inc.)

Length: 29 minutes Release Date: 1989

Appropriate for High School and Above

A wealth of information regarding the importance of forest products and the national timber supply is presented in this video. In addition, the history and role of the U. S. Forest Service is discussed inclusive of the scope and economics of U. S. forests through a presentation of a wide array of forest products uses. Vocational opportunities in the field of forestry are explored. Finally, emphasis is placed on multiple use requirements of U. S. forests inclusive of best management practices necessary to conserve the nation's forests.

**(31) STEWARDS OF FAMILY FARMS, RANCHES AND FORESTS**

Length: 7:15 minutes

Appropriate for Adult Audiences

A film featuring agriculturists as stewards of the land. This piece defends the private property rights of family farms, ranches and forest owners in a time of changing governmental policy.

**(32) FARM CREDIT & RURAL AMERICA "OLD FRIENDS-NEW IDEAS"**

(Farm Credit Bank of Texas)

Length: 15:20 minutes Release Date: 1993

Appropriate for High School – Adult

This film takes a step back in time to the early 1900's and traces the development of the nation's only agricultural member-owned lender. Then, listen as members themselves help tell the story of today's Farm Credit.

**(33) CLEAN WATER, CLEAR CHOICES**

(National Association of Conservation Districts)

Length: 13:15 minutes      Release Date: 1991

Appropriate for High School – Adult

This film shows how our ground water and surface water supplies are being contaminated by rainwater runoff which carries chemicals, soil, debris and bacteria. Eventually, these pollutants can wind up in the nearest body of water and the result is more than just an eyesore, but a threat to our environment, our economy and our health.

**(34) THE PUBLIC EYE IS WATCHING**

(Oklahoma Conservation Commission)

Length: 17 minutes

Appropriate for SWCD Directors

This video contrasts a well run SWCD meeting versus a scenario of a meeting that does not follow parliamentary procedure. The video's content is presented in a humorous but constructive manner.

**(35) AMERICA'S WETLANDS (REVISED)**

(National Audio Visual Center)

Length: 26 minutes      Release Date: 1994

Appropriate for Junior High, High School – Adult

From the Atchafalaya River Swamp in lower Louisiana to Alaska's Artic tundra, America's Wetlands reveals the hidden values of wetlands, swamps, marshes, prairie potholes, and other saturated lands that have been traditionally viewed as worthless and dispensable. This program conveys a national perspective of wetlands, their natural benefits to man and wildlife, and the potential impact of their loss.

**(36) WHO OWNS THE LAND?**

**When the Environment Collides with the Constitution**

(Farm Credit Bank of Texas)

Length: 23 minutes      Release Date: 1994

Appropriate for High School – Adult

Land and the ownership of land formed the foundation upon which our strong national economy grew. Our forefathers knew that in order for society to prosper, the individual had to have certain rights – one of which was the ability to possess property: to freely give it away or sell, to manage it, to pass it on to their children and their grandchildren. They knew that this was freedom itself and if we ever lost that constitutional right, we would lose our freedom.

**(37) GREEN SIDE UP**

(USDA – Forest Service)

Length: 50 minutes      Release Date: 1994

Appropriate for SWCD Directors

Green Side Up is a short, practical three-module video designed to train tree-planting professionals. Its purpose is to educate tree planters on the proper care and handling of seedlings from the storage facility all the way through planting, including different planting techniques. A facilitator's guide, viewer handout, and training quizzes are also included.



**(38) REPLANTING THE TREE OF LIFE**

(Bullfrog Films)

Length: 30:32 minutes

Appropriate for Tree Farmers

This tape takes a pragmatic but also inspirational look at both trees and forests and what they mean to our lives and well-being. That look starts with microscopic close-ups of the cellular structure and functioning of trees and shows how trees purify the air we breathe and filter the water we drink. It looks at how humankind has used and misuses trees from prehistory to the present. It looks at various facets of the science of forestry, from the growing of Christmas trees to various other forestry practices.

**(39) ON AMERICAN SOIL**

(Bullfrog Films)

Length: 28 minutes      Release Date: 1985

Appropriate for Junior High- Adult

This film discusses the nature and extent of the soil erosion problem in America today. "On American Soil" explains the economic bind in which farmers find

themselves and discusses the problems caused by more intensive row cropping and the use of increasingly large farm machinery, as well as absentee landlords.

**(40) ESTUARY**

(Bullfrog Films)

Length: 12 minutes      Release Date: 1993

Appropriate for High School – Adult

Using exquisite underwater microphotography, this National Film Board of Canada production provides a close-up look at an estuary – the biologically important wetlands where the fresh water of a river meets the salt water of the ocean. As we watch barnacles feeding themselves, and the comic acrobatics of diving ducks, the film details the complex ecology of estuary life and, in an understated manner, makes a powerful case for protecting wetlands.



**(41) BIODIVERSITY: THE VARIETY OF LIFE**

(Bullfrog Films)

Length: 42:50 minutes      Release Date: 1994

Appropriate for High School – Adult

This film, “The Variety of Life”, offers a clear and understandable explanation of the complex factors involved in conservation biology. Conventional approaches to species and habitat protection are failing to sustain the diversity of animal and plant life in our wilderness areas.

**(42) LEPA-SAVING WATER FOR FUTURE PRODUCERS**

(Texas Tech Agricultural Extension Service)

Length: 30 minutes      Release Date: 1993

Appropriate for Agricultural Producers

This video presents the various aspects of low energy precision application (LEPA) center pivots for producers to consider to be more informed consumers. Saving water means saving pumping costs which translates into more profit for producers.

**(43) E IS FOR ECOLOGY**

(Coronet)

Length: 11 minutes  
Appropriate for Grades K-4

Ecology is the study of the relationship between living things and their environment. This enlightening animated adventure explores the ecological cycles of the earth and reveals how everything in nature is interconnected. While zipping about, our energetic narrator, Ecology E, introduces the water cycle, the air cycle, the food cycle, and the life cycle. He shows us how water, air, plants and animals all work together in a delicate balance. Animation combined with beautiful nature photography provides an appealing background for children to discover beginning concepts in ecology,

#### **(44) TECHNOLOGY'S PRICE**

(National Geographic Society)

Length: 27 minutes      Release Date: 1993  
Appropriate for High School - Adult

This video reviews a variety of modern technologies and examines their benefits and their true costs in terms of their environmental and social impacts.

#### **(45) HOW PLANTS ARE USED**

(National Geographic Society)

Length: 15 minutes  
Appropriate for Elementary – Junior High

Reviews some of the many products that plants provide, including wood, paper, cotton, and rubber, as well as food and medicines; also reminds viewers that fossil fuels we use today are derived from ancient plant.



#### **(46) WHAT IS A PLANT?**

(National Geographic Society)

Length: 15 minutes      Release Date: 1991  
Appropriate for Elementary – Junior High

Examines the different parts of a plant – its roots, stems, and leaves – and outlines their functions; uses animation to reveal the food-making process of photosynthesis and explores different kinds of plants and their habitats.

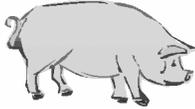
**(47) ANIMALS ON THE FARM**

(National Geographic Society)

Length: 15 minutes      Release Date: 1992

Appropriate for Lower Elementary Grades

Introduces the characteristics of poultry, dairy cattle, and pigs and shows the way farmers care for these different kinds of livestock; also shows the products of these animals in the supermarket.



**(48) OUR SIDE OF THE FENCE**

(National Geographic Society)

Length: 9 minutes      Release Date: 1989

Appropriate for High School – Adult

It explores the public attitudes concerning animal rights issues. The video highlights events during November 1988 in Massachusetts where the public was asked to decide on the quality of care that farm animals receive. It shows how Massachusetts farmers launched a comprehensive public education campaign to provide reliable information about animal care, production and handling practices. It stresses the importance of all agri-industries writing as a single voice to tell their story.

**(49) COWBOYS THEN AND NOW**

Length: 10 minutes

Appropriate for All Ages

A historical documentary on the history of the American Cowboy. The film presents changes, risks and challenges that have made the American Cowboy the figure he is today.

**(50) PARTNERS WITH NATURE**

(National Cattleman's Association)

Length: 27 minutes

Appropriate for High School – Adult

The documentary video features how cattlemen are partners with nature. It also focuses on how having all-incorporated sound conservation practices in their successful cattle businesses earn them an Environmental Stewardship Award from the National Cattleman's Association.

**(51) MYTHS AND FACTS**

(National Cattleman's Association)

Length: 12:29 minutes      Release Date: 1990

Appropriate for High School – Adult

Presents misconceptions and half-truths that have at times led to the livestock industry being blamed for some environmental problems. Experts in the scientific field refute the myths.

**(52) CATTLEMEN CARE ABOUT THE ENVIRONMENT**

(National Cattleman's Association)

Length: 7 minutes      Release Date: 1990

Appropriate for General Audience

Cattlemen depend on the environment for their livelihood. This videotape demonstrates the many ways in which American cattle producers care for the land, air and water. It highlights the unique cycle of energy from the sun to grass to cattle to human food. The tape shows how living as close to the earth as cattlemen do, instills a deep respect and sense of responsibility for Mother Nature.

**(53) THE COLORADO RIVER TRAIL**

(National Cattleman's Association)

Length: 8:30 minutes      Release Date: 1992

Appropriate for All Ages

Narrated by actor Tommy Lee Jones, this video is a scenic journey along the Colorado River. Tommy Lee Jones describes the importance of the river and how people use it for a multitude of purposes.



**(54) KEEPING NATURE IN BALANCE**

(National Cattleman's Association)

Length: 28 minutes      Release Date: 1993

Appropriate for High School – Adults

The video is narrated by football player Jay Novacek of the World Champion Dallas Cowboys. This documentary features how cattlemen take care of their land and the steps their families are taking to ensure the land is productive for this and future generations.

**(55) SOIL AND WATER...A LIVING WORLD**

(Barr Films)

Length: 16 minutes      Release Date: 1984  
Appropriate for Grades 3 – 5

Children on a nature expedition learn all about the plants and animals that live in soil and water. First, their teacher takes them to explore topsoil. But even through their magnifying lenses they can see only earthworms, spiders and small insects. Later through microscopes, they see rotifers, amoebae, and some of the bacteria and other microorganisms that make the soil their home. Now for a look at pond water: like soil, they discover pond water doesn't seem nearly as full of life as it is. At first they see only fish, frogs, water spiders, and beetles. But later, a look at pond water through microscopes reveals water rotifers, algae, and water bears and other microorganisms. Soil and water, they discover, are full of life. Soil and water is a living world.

**(56) VOLUNTARY WATER QUALITY MANAGEMENT PROGRAM:  
AGRICULTURE/SILVICULTURE**

(Texas State Soil & Water Conservation Board)

Length: 9 minutes

Appropriate for Agricultural Producers

Defines non-point source pollution. Farmers, ranchers and timber producers learn how they are able to obtain a certified water quality management plan to comply with state water quality laws through traditional voluntary incentive based programs. An overview of best management practices are presented as options available to producers who want to learn more on how they can participate in the program.

**(57) "JUST A DROP IN THE OCEAN"  
FEATURING: WILLIE WATERDROP**

(Earth Vision Production – 1993)

Length: 9 minutes      Release Date: 1993

Appropriate for Grades 4 – 6

An animated raindrop tells the story of how non-point source pollution occurs from an urban setting. Oil, paint, fertilizers, pesticides, and urban construction sites are presented as sources of water pollution. A watershed is defined and its function explained.

**(58) PRIVATE RURAL WELL PROTECTION**

(National Resources Conservation Service)

Length: 15 minutes

Appropriate for High School – Adult

Video demonstrates why rural wells need to be protected from farmstead contamination. The video also depicts some obvious potential problems which could occur in real life situations.

**(59) RICE: A BETTER WAY**

(Lower Colorado River Authority)

Length: 12 minutes

Appropriate for Junior High – High School

A group of rice farmers in Matagorda County, Texas, demonstrate current best management practices, highlighting integrated pest management practices in rice production. The video focuses on practices that have resulted in a positive impact on the environment as well as being economically sound.



**(60) GROUND WATER**

(New Dimensions Media, Inc.)

Length: 10 minutes      Release Date: 1989

Appropriate for Ages 4 – 9

The video explains what groundwater is, how it becomes polluted and how this pollution can be averted. Students are invited to think and talk about groundwater.

**(61) FARMS: IN THE SPRING, IN THE SUMMER, IN THE FALL, IN THE WINTER**

(Altschul Group Corporation)

Length: 9:5 minutes each      Release Date: 1994

Appropriate for Elementary

These videos give children insight into the seasons of the year which yield different products on farms.



**(62) CONSERVING OUR NATURAL RESOURCES**

(Britannica)

Length: 15 minutes      Release Date: 1979

Appropriate for Elementary – High School

Video shows viewers how people use natural resources to make life easier. Some resources can be renewed, but others are non-renewable and must be used wisely.

**(63) A GRAIN OF WHEAT**

(BFA Education Media, Inc.)

Length: 7:50 minutes      Release Date: 1983

Appropriate for Elementary – Junior High

One grain of wheat separates itself from a piece of bread a little boy is eating and then the magic begins as the boy and the grain take an animated journey through the process of turning wheat into bread. From the planting of the seeds to the grinding of the wheat into flour and the baking of a fresh loaf of bread, the viewer sees the entire cycle of growing and processing wheat.

**(64) FOOD FOR MAN**

(Phoenix Films)

Length: 18:30 minutes      Release Date: 1979

Appropriate for Elementary – High School

Shows exactly where our food comes from, how it is harvested, processed, packaged for our consumption and who is involved in each step of this complex undertaking.

**(65) LUMBER PRODUCTION**

(CEV Multimedia)

Length: 35 minutes

Appropriate for Junior High – Adult

Take a field trip to the forests of Woodville, Texas where lumberjacks are cutting trees destined to be turned into newspaper and other paper products. Viewers see the shearer, sawhand, skidder and loader harvest logs and load them onto an 18-wheeler for transport. The video also shows the logs being processed at Champion International Corporation's plywood and stud mill.



**(66) FOOD FOR CITY: WHEAT AND FLOUR**

(BFA Educational Media)

Length: 9:53 minutes      Release Date: 1967  
Appropriate for Elementary – Junior High

This video shows how wheat is planted, cultivated, harvested. The film follows wheat to the flourmill and bakery. Depicts how many workers and how much equipment is needed to grow wheat and produce flour to make many common foods.

**(67) WETLANDS FOR THE FUTURE**

With “Gulf Coast” Joint Venture

(US Fish & Wildlife Service)

Length: 16:47 minutes

Appropriate for High School – Adult

Explores the basics of wetlands and considers the effects of wetland conversion on wildlife, humans and the quality of life in general. Focuses on the North American Management Plan as it relates to the decline of waterfowl and how it is helping to rebuild waterfowl populations on wetlands through private and public action.

**(68) A RUN UNTO THE SEA:**

**THE ADVENTURES OF THE ABILENE BOYS**

(Lower Colorado River Authority)

Length: 56:51 minutes      Release Date: 1992

Appropriate for Junior – Adult

Narrated by Walter Cronkite, this video accounts the expedition of three men in their seventies on their second canoe trip down the Colorado River in Texas.

**(69) ENVIRONMENTAL LAW AND LANDOWNER LIABILITY**

(Stephen F. Austin State University)

Length: 5 hours, 15 minutes      Parts 1-3

Appropriate for Landowners

Symposium conducted at Stephen F. Austin University designed to help landowners understand the laws, regulations and policies that impact our lives everyday. Consists of speakers and panels of experts discussing responsibilities and liabilities that landowners face under the existing environmental laws and regulations.

**(70) TEXAS OPEN MEETINGS ACT**

(Texas Attorney General's Office)  
Length: 13 minutes  
Appropriate for SWCD Directors

This video examines the Texas Open Meetings Act by simulating a meeting of a fictitious state agency that demonstrates some of the most common violations of the Open Meetings Act. It then points out the mistakes made during the simulation and briefly describes each one as it relates to the Act.

**(71) KEEPIN' IT ALL CLEAN...IN THE OIL PATCH**

(National Environmental Training Association)  
Length: 5 minutes  
Appropriate for Adults

This is an action packed video about pollution prevention and minimizing waste in the oil and gas industry.



**(72) WATER FOR TEXAS: AUTILITY MANAGER'S GUIDE TO WATER CONSERVATION**

(Texas Water Development Board)  
Length: 41 minutes  
Appropriate for Adults

An informational video that discusses water usage in Texas, reasons and ways to conserve water through a conservation program, detecting water leaks and other water advice to help conserve our most precious natural resource.

**(73) PARTNERSHIPS FOR WATERSHEDS**

(Office of Communication, Texas USDA)  
Length: 13 minutes  
Appropriate for Adults

Explains what a watershed is and how they are formed. Further discusses improving water quality through the formation of local watershed partnerships in communities.

**(74) CIRCLE OF WATER**

(National Geographic Society)  
Length: 17 minutes      Release Date: 1994

Appropriate for Grades K – 3

This video describes the processes of evaporation, condensation, and precipitation, as well as three forms of water—solids, liquid, and gas. Viewers also grow to appreciate the value of water to all life on earth, learn the age of water, and observe the effects of pollution. At the end of their journey, they return to their own river and discover that they truly have been going in circles.



**(75) CONCERTO FOR THE EARTH**

(Bullfrog Films)

Length: 15:48 minutes      Release Date: 1995

Appropriate for Grades 4 – Adults

A celebration of the beauty of nature, this non-narrative program uses a class concerto format to illustrate the devastating effect people have had on our planet ecology.

**(76) BIOLOGICAL CONTROL: LEARNING TO LIVE WITH THE NATURAL ORDER**

(National Biological Control Institute)

Length: 24:36 minutes

Appropriate for Elementary – High School

This video describes the phases of a classic biological control program against a serious agricultural pest, the Russian wheat aphid. The video includes remarkable footage of natural enemies in action provided by Walt Disney World Co.

**(77) KEEPERS OF THE FLAME**

(National Association of Conservation Districts)

Length: 7:35 minutes      Release Date: 1996

Appropriate for All Ages

A reflective musical video great for meeting openers. “Keepers of the Flame” captures the spirit and dedication of the thousands of individual farmers and ranchers whose natural resource stewardship has made our nation’s land the most productive and protected in the world. The imaging in the video includes conservation vistas from across the country.

**(78) LAND APPLICATION: WATER REUSE IN AGRICULTURE**  
(CEV)

Length: 23 minutes

Appropriate for High School – Adult

Explores agricultural land application principles and distribution of effluent wastewater into crop soils. Tours wastewater facility and process of redistribution.



**(79) VRRROOMMM! FARMING FOR KIDS**

(Rainbow Communications)

Length: 30 minutes Release Date: 1994

Appropriate for Kids All Ages

Look, listen and learn how the food we eat is grown. This entertaining video will engage your child's imagination. Roaring tractors, combines and cultivators are shown in action throughout the growing season on a 7,000-acre family farm. Following vegetable and grain production – wheat, sweet corn, beans, carrots, and cabbage from planting to harvesting.

**(80) VRRROOMMM 2: DAIRY FARMING FOR KIDS**

(Rainbow Communications)

Length: 30 minutes Release Date: 1996

Appropriate for All Ages

Friendly Farmer Bill takes you on a personal tour of a modern family farm. Join him as he explores what it is like to live and work on a 700 cow dairy farm. From cows mooing to tractors roaring, this entertaining and educational video has it all. Follow milk production from growing the herd's feed all the way to seeing cheese made. Adults and children alike will want to watch it over and over again.



**(81) LAKES, RIVERS AND OTHER WATER SOURCES**

(Atschul Group Corporation)

Length: 17 minutes Release Date: 1982

Appropriate for Ages 7 – 12

An investigation of the water system reveals the origins of the water, the action of rivers, how lakes die, and the forces that create the underground water supply.

**(82) TEXAS WETLANDS: A LEARNING ADVENTURE**

(Texas Parks and Wildlife)

Length: 10:30 minutes      Release Date: 1994

Appropriate for Grades 4 – 7

This video explores the benefits and impacts Texas wetlands have on animals and humans alike. It discusses the different types of wetlands existing in the state and encourages viewers to get involved with the Adopt-A-Wetland program.

**(83) TEXAS WETLANDS: A VANISHING RESOURCE**

(Texas Parks and Wildlife)

Length: 22 minutes      Release Date: 1995

Appropriate for High School – Adult

This film examines the state wetlands conservation plans being developed and implemented to counteract society's detrimental impact on wetlands today. It describes wetlands universally in terms of the similar constituents that compose it and focuses on the protection of wetlands through a voluntary approach.

**(84) FOREST INVESTMENTS: A CLIMATE FOR PROFIT**

(Temple-Inland)

Length: 15 minutes

Appropriate for Adults (Training Film)

Discusses investment in timber production, and how management can produce better timber crops and profits.

**(85) WHERE DOES PORK COME FROM?**

(Indiana Farm Bureau Women's Division)

Length: 9:25 minutes      Release Date: 1994

Appropriate for Grades K – 4

This video teaches students the "farm to table" story as it relates to pork. It focuses on pork producers caring about the animals they raise; pork being leaner today and part of a healthy, balanced diet; the many other products we use that come from pork; and the many different jobs and industries that rely on the pork production industry.

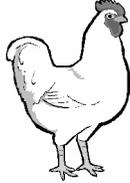
**(86) FOOD FOR THOUGHT**

(National Geographic Society)

Length: 18 minutes      Release Date: 1995

Appropriate for Lower Elementary Grades

Curious youngsters find out where neighborhood creatures get their food and in the process discover how local food chains might be connected with others in faraway places as their imaginations carry them from forest treetops to Alaskan waters and Okefenokee Swamp.



**(87) HEALING THE EARTH**

(National Geographic Society)

Length: 28 minutes      Release Date: 1995

Appropriate for Junior High – Adult

Examines how we humans have been polluting our planet for a long time and, focuses on what we can do – as individuals and through established conservation programs – to help heal the scars.

**(88) POINTLESS POLLUTION: AMERICA'S WATER CRISIS**

(Lower Colorado River Authority)

Length: 28 minutes      Release Date: 1990

Appropriate for Grades 7 – Adult

Non-point source pollution comes from our streets, farms and lawns and, according to the Environmental Protection Agency, is the largest source of water pollution in the country. Join Walter Cronkite as he explains how non-point source pollution has affected the Chesapeake Bay, underground aquifers in Minnesota, creeks in Alabama and the Highland Lakes of Texas.

**(89) TRACTORS, COMBINES AND THINGS ON THE GROW**

(Just Our Size Videos)

Length: 30 minutes

Appropriate for Ages 3 – Elementary

“Tractors, Combines and Things on the Grow” shows children the wonders of where food really comes from and how it ends up on the grocer’s self. Shot on location across the country, children are able to watch powerful farm machinery in action through an entire growing season. The result is a production that keeps children glued to the television set as they learn,



**(90) TRACTORS, COTTON-PICKERS & THE STUFF KIDS WEAR**

(Just Our Size Videos)

Length: 30 minutes

Appropriate for Ages 3 – Elementary

“Tractors, Cotton-Pickers and the Stuff Kids Wear” will fascinate children as they discover how their favorite pair of blue jeans came from a tiny cottonseed. From the struggles of a tiny silkworm, to the rumblings of a giant cotton harvester, your children will be thrilled by the sights and sounds of natural fibers being transformed into their favorite clothing.

**(91) THE LIVING SOIL**

(Journal Films)

Length: 20 minutes      Release Date: 1992

Appropriate for Junior High – High School

This program explores the complex relationship between the living and nonliving components of soil, and illustrates the natural cycles that make soil a self-sustaining element. How nutrients are replenished in healthy soil, and how soil is lost through deforestation and outdated agricultural techniques are also explained. Also a look at the relationship between declining soil quality and increased reliance on chemical fertilizers to bolster food production is provided.

**(92) UNDERSTANDING ECOLOGY: WHAT IS AN ECOSYSTEM?**

(Coronet/MTI Film & Video)

Length: 10 minutes

Appropriate for Junior High – Adult

This video is designed to allow viewers to explore in depth the meaning of key vocabulary words in the science of ecology. Each program focuses on one of the basic concepts that provide a foundation for building a solid body of knowledge in this discipline. Rich and varied visual examples provide viewers with experiences generally unavailable to them. By fleshing out the bare bones of formal definitions, these programs give young viewers more ability to use the information.

**(93) ADAPTING TO CHANGES IN NATURE**

(Altschul Group Corporation)

Length: 14 minutes      Release Date: 1996

Appropriate for Grades 4 – 8

The world of nature is always changing. This program explains how animals cope with both the routine and unpredictable changes that nature brings, from the changing seasons, to changes in climate, to destruction of habitats. Fascinating footage of deer, a great horned owl, rabbits and bears helps viewers understand why some animals seem to adapt to change better than others. Finally, the role that humans play in creating change is questioned and analyzed from different points of view.



**(94) FOOD SAFETY & ANIMAL DRUGS:  
TESTING...TESTING...TESTING**

(Animal Health Institute)

Length: 11:42 minutes

Appropriate for Junior High – Adult

This video covers the development and review of animal drugs and their safe use for food safety. It discusses the roles of the Federal Drug Administration (FDA), the U. S. Department of Agriculture (USDA) and the Environmental Protection Agency (EPA) in animal drug safety testing and in food safety.

**(95) HABITATS FOR LEARNING:  
Ohio Takes a New Look at School Land Labs**

Length: 14:35 minutes

Appropriate for Teachers/Educators

This video is a motivational look at using the school grounds for teaching and learning – whether on blacktop or in a field or on the playground. “Habitats For Learning” advocates a “use what you have, enhance as you go, develop if and when you’re ready” philosophy.

**(96) AMERICA’S MOST CRUCIAL INDUSTRY**

(U. S. Department of Agriculture)

Length: 14:42 minutes

Appropriate for Junior High – Adult

The video examines the world's largest industry – agriculture and its impact on the past and present. It covers agricultural statistics, economy, productivity, world trade, exports, and different agricultural industries. Discusses the process from the farm to the consumer.

**(97) SAGEBRUSH COUNTRY**

(New Dimension Media, Inc.)

Length: 28 minutes

Appropriate for Grades 7 – Adult

A rich and colorful documentary on the ecology of the high desert country of the American West. Traces the history of one area in this environmental niche and how current land practices may assure the preservation of this potentially fragile ecosystem.



**(98) DON'T BAG IT – LEAF MANAGEMENT PLAN**

(Texas A & M University)

Length: 6 minutes

This film examines home leaf management that is environmentally-friendly and beneficial to lawns and gardens. It gives examples of different ways leaves can be used in home lawn care and gardening.

**(99) DON'T BAG IT – COMPOSTING PLAN**

(Texas A & M University)

Length: 9:20 minutes

Appropriate for Older Elementary – High School, Community

This film examines home composting – what is compost, compost benefits, what to compost, how to compost, different methods of composting, and problems/solutions associated with composting.

**(100) SOIL: A NATURAL HABITAT**

(Britannica)

Length: 17 minutes      Release Date 1990

Appropriate for Junior High – High School

Soil is composed of varying proportions of humus, mineral substances, water, and air. Ideally, it is crumbly with a porous, sponge-like composition that easily absorbs water and accommodates the growth of plant roots. Its loose composition also supports a community of living organisms that litter their environment with humic substances vital to its good health and fertility. "Soil: A Natural Habitat" discusses the chemical and mineral components that combine to make soil. It also examines soil as a habitat, identifying the various organisms that live in it and assessing their contribution to the soil's ecology.



### **(101)ROTATIONAL GRAZING**

(Classic Videos)

Length: 29 minutes

Appropriate for High School to Adult

This video teaches the benefits, importance and economic difference of rotational grazing.

### **(102)COTTON PRODUCTION**

(Creative Educational Video)

Length: 35 minutes Release Date: 1990

Appropriate for High School – Adult

Produced in West Texas where 25% of the nation's cotton is grown each year, this comprehensive learning tour provides students with the opportunity to view all facets of the cotton industry. Includes a tour of a cotton gin where viewers can see burr and seed removal, cleaning of the cotton lint, and baling of the cotton.

### **(103)AGRICULTURAL PRODUCERS**

(Creative Educational Video)

Length: 31 minutes Release Date: 1991

Appropriate for High School – Adult

The video outlines employment opportunities, necessary skills/degrees required, and average salaries. Informative interviews with a vegetable producer, cotton producer, livestock producer, and a spur maker are included.

### **(104)THE DAIRY COW**

(Creative Educational Video)

Length: 15 minutes      Release Date: 1993

This video provides a look at nature's milk factories – dairy cows. Jim Armbruster explains the complex interaction of the cow's consumption of feed to chewing her cud to ultimately yielding milk which is processed into cheese, ice cream, butter, and other dairy products. Also includes: feed intake, digestion and conversion, the environment of a working dairy, and the retail impact of raw milk.

### **(105) EGG PRODUCTION**

(Creative Educational Video)

Length: 40 minutes      Release Date: 1991

Live action video footage of a completely automated operation follows the egg from the chicken to the supermarket. Discussion on nutrition, housing and environmental control of laying hens. Viewers will be amazed at the metal claw machinery that gently transports the eggs to their cartons.



### **(106) FUNDAMENTALS OF FORESTRY**

(Creative Educational Video)

Length: 31 minutes      Release Date: 1989

Live-action video footage will stimulate interest in forestry as it provides an excellent foundation for contest teams. Discusses and demonstrates 10 of the 12 parts of the State Woodland Clinic Contest. Topics include: pine identification, rate of growth, selective thinning, tree volume, wood products, wood identification, site index, cull tree removal, woodland suitability, compass and pacing.

### **(107) BEST MANAGEMENT PRACTICES**

(Texas Forestry Assn., Texas Forest Service, Texas Logging Council)

Length: 13:25 minutes

Appropriate for High School to Adult

This video gives examples of best management practices (BMPs) for forestry. It explains stream crossings, water bars and stream-side management zones and the purpose of installation.

### **(108) CAREERS IN PLANT & SOIL SCIENCE**

(Creative Educational Video)

Length: 23 minutes      Release Date: 1997

Career choices in production agriculture, plant and soil research, governmental regulatory agencies and industrial agriculture are outlined and discussed. Live-action video and interviews with experts will help you learn about the rewards of a career in plant and soil science.



**(109)THE PITCHFORK RANCH**

(Creative Educational Video)

Length: 26 minutes      Release Date: 1995

Appropriate for all Ages

Join in the spring roundup of this 165,000 acre ranch when calves are weaned, branded and processed. Old photographs intermingled with present day live action and narration give a taste of the tradition of this 110 year old ranch.

**(110)IRRIGATION**

(KAW Valley Films & Video)

Length: 32 minutes

Appropriate for Grade 4 – Adult

This video emphasis on some of the sources of water for irrigation; method of distribution that the North American Indians used to move water to their cornfields; where was irrigation pioneered in the American West in the 19<sup>th</sup> century; describes the importance of the three inventions which allow irrigation to be more mechanized; and describes some of the structures and equipment used to move water from its source to the soil.

**(111)WHAT'S THE DIFFERENCE?**

(Association of Texas Soil and Water Conservation Districts; Texas State Soil and Water Conservation Board; USDA-Natural Resources Conservation Service; and USDA-National Employee Development Center)

Length: 9 minutes      Release Date: 1997

Appropriate for General Audience

This video examines the local, state and federal partnerships responsible for protecting the natural resources of Texas and will discuss the respective duties and responsibilities of each.

**(112)PROGRAMS OF CONSERVATION: WATER**

(Britannica)

Length: 16 minutes      Release Date: 1990

Appropriate for Junior High – High School

Fresh water is a precious resource, yet we endanger it with overuse and pollutants.

This program shows how water can be treated in order to return it to a pure state.

**(113)PROGRAMS OF CONSERVATION: SOIL**

(Britannica)

Length: 14 minutes      Release Date: 1969

Appropriate for Junior High – High School

This program demonstrates how the U. S. Soil Conservation Service combats water and wind erosion of soil through contour plowing and “land-use planning”.

**(114)AQUACULTURE: FARMING THE WATERS**

(AAVIM)

Length: 30 minutes      Release Date: 1990

Appropriate for Junior High – High School



This video addressed the production, marketing and processing of three of the most popular aquatic species currently being raised using aquaculture methods: catfish, crayfish and trout.

**(115)WE ALL LIVE DOWNSTREAM**

(Oregon State University Extension Service)

Length: 30 minutes      Release Date: 1996

This video examines how local residents and government officials are trying to reduce non-point source pollution. It also offers tips to help each of us play an active role in cleaning up our nation’s drinking water supplies

**(116)CONSERVATION AND BALANCE IN NATURE**

(International Film Bureau, Inc.)

Length: 18 minutes

Critically investigates the delicate balance in natural ecological systems as it relates to what man is doing to his environment. Shows that the interrelation of organisms in food webs involves delicate balance.

**(117)SUSTAINING AMERICA'S AGRICULTURE**

(National Association of Conservation Districts)

Length: 29 minutes

This video is about how America's farmers and ranchers minimize environmental impacts while maximizing production.



**(118)REGIONALLY COORDINATED COMPOSTING OPPORTUNITIES**

(Winrock International)

Length: 7:45 minutes      Release Date: 1993

The video highlights the advantages that can be realized from large-scale composting of organic, biodegradable materials through coordinated efforts on a regional basis.

**(119)BACKYARD CONSERVATION: ONE YARD AT A TIME**

(National Association of Conservation Districts)

Length: 9 minutes

Appropriate for Junior High – Adult

Your yard, no matter how big or where it is, has room for conservation measures. See how 10 conservation practices commonly used by farmers in the countryside can be used in your backyard.

**(120)ANIMAL PREDATORS AND THE BALANCE OF NATURE**

(Altschul Group Corp.)

Length: 14 minutes      Release Date: 1996

Appropriate for Grades K – 6

The program observes several different predators and their behaviors, and points out that these animals play an important role in helping to keep a balance between an animal population and its food supply.

**(121) WHY DO ANIMALS LOVE GEOGRAPHY?**

(Altschul Group Corp.)

Length: 14 minutes      Release Date: 1996

Appropriate for Grades K – 6

This video helps students understand why various animals live where they do, and how they adapt to their environment. The difference between physical geography and human geography is explained, as well as the role conservation plays in geography.



**(122) INSTINCTS IN ANIMALS**

(Altschul Group Corp.)

Length: 14 minutes      Release Date: 1996

Appropriate for Grades K – 6

This video provides an easy-to-understand explanation of what instincts are, and describes how instincts direct animals through their lives. The animals help demonstrate the instincts they have, and the difference between instincts and learned behaviors. Students learn that from migration to hunting for food, instincts help animals survive.

**(123) GREENING OUR CITIES**

(American Forests)

Length: 13:30 minutes      Release Date: 1995

Appropriate for High School – Adult

This film highlights the role of humans in the urban environment and introduces terms and problems associated with urban development. Emphasis is on including techniques, such as strategic tree planting, in the city planning process. Examples show how the reintroduction of nature into cities can save energy, improve air quality and reduce storm water flows.

**(124) STRAIGHT TALK ABOUT YOUR CONSERVATION PLAN**

(ICI Agricultural Products)

Length: 15:30 minutes      Release Date: 1992

Appropriate for the General Public

Informative look at how agricultural producers and the environment benefit from the implementation and maintenance of a conservation plan. Features former chief of the USDA Natural Resources Conservation Service, Bill Richards, in a question and answer format with farmers from around the nation. Richards fields questions about how to work with the NRCS, how to change a conservation plan, and how to appeal an NRCS decision.

**(125)“CELEBRATE THE LAND” AND THE PEOPLE WHO TAKE CARE OF IT**

(Farm Bureau)

Length: 9:27 minutes      Release Date: 1995

Appropriate for Junior High – High School

Highlights the progress in soil conservation made in the last 10 years by farmers and ranchers. Shows how using no-till methods, planting grass on waterways, planting trees as windbreaks, and the efficient use of agricultural chemicals have reduced erosion, recharged groundwater supplies, created wetland habitat, and provided aesthetic appeal in agricultural lands.



**(126)THE FRAGILE SOIL**

(Thames Television International)

Length: 20 minutes      Release Date: 1990

Appropriate for Junior High – Adult

Erosion, a worldwide problem is responsible for famine in Third World countries and the slow deterioration of our earth. This program looks at the earth's soil as an ecosystem, and at how it is being destroyed by pesticides, herbicides, and the constant increase of individual pollution.

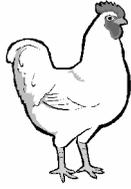
**(127)POULTRY COMPOSTING**

(TSSWCB, USDA-NRCS, EPA)

Length: 11 minutes      Release Date: 1998

Appropriate for Poultry Producers

In order to help poultry producers meet the daily challenge of dealing with mortalities in a cost-effective manner this video examines all aspects of composting. This video also examines the environmental benefits of poultry composting as well as helps producers locate and design a composter to meet their needs.



3

**(128) CONSERVATION PARTNERSHIPS:  
CHANGING AMERICA'S LANDSCAPE**

(USDA-NRCS)

Length: 21 minutes

This is the story of how conservation partners, working through the locally led conservation process, are helping landowners and producers solve natural resource conservation challenges on the land.

**(129) WATER TREATMENT FIELD TRIP**

(CEV Multimedia)

Length: 24 minutes

Appropriate for High School – Adult

Produced in partnership with the City of Wichita Falls, this video offers a comprehensive examination of the regulated treatment and filtration of raw water collected from various lake and reservoir sources. This video explores the daily operations of a water treatment plant and shows how water is purified.

**(130) FARM IMPLEMENTS I: TILLAGE**

(CEV Multimedia)

Length: 28 minutes

Appropriate for Junior High – Adult

A wide variety of tillage tools are shown throughout this identification program. Basic tillage practices and a brief history of tillage are discussed. Tools shown include: moldboard plows, toolbars, disk plows, chisel plows, harrows, stubble-mulch plows and tillers, listers and bedders, and field cultivators.



**(131) FARM IMPLEMENTS II: PLANTING AND CULTIVATING**

(CEV Multimedia)

Length: 25 minutes  
Appropriate for Junior High – Adult

Viewers will learn to identify for major farm implements used by farmers for planting, drilling, seedbed preparation and cultivation of crop. Different planting methods are shown, including flat planting, bed or ridge planting, and furrow planting.

**(132)FARM IMPLEMENTS III: PRE-HARVEST AND HARVEST**  
(CEV Multimedia)

Length: 25 minutes  
Appropriate for Junior High to Adult

This video identified preparation equipment and specialized harvesting equipment. Various types of combines are shown and discussed. Basic operation principles of combines, strippers, pickers, shredders, swathers and hay balers are illustrated.

**(133)SPRING IN NATURE**  
(Altschul Group Corporation)

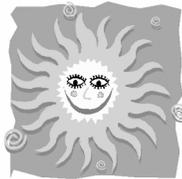
Length: 17 minutes  
Appropriate for Elementary

This video shows why spring is a season of celebration. Spring is the time when the hibernators emerge and the migrators return. Animals that have survived the winter gorge themselves on the fresh spring grasses and shed their winter coats. The young of many animals are born and learn to take their first steps or flap their wings.

**(134)SUMMER IN NATURE**  
(Altschul Group Corporation)

Length: 14 minutes  
Appropriate for Elementary

Summer is a season when all can enjoy the gifts of the countryside. Young and old animals alike spend the weeks of summer feeding and resting. Newborn birds have learned to fly and have left their nests. People come from all over to enjoy rivers, forests and mountains.



**(135)AUTUMN IN NATURE**

(Altschul Group Corporation)

Length: 14 minutes

Appropriate for Elementary

Autumn is a time of preparation and anticipation. Animals begin to store their food or prepare to leave. Plants lose their leaves and enter a period of dormancy. Animals that remain active during the winter are at their heaviest, with thick coats.

**(136)WINTER IN NATURE**

(Altschul Group Corporation)

Length: 12 minutes

Appropriate for Elementary

Winter is a season of extremes. Trumpeter swans and bald eagles live along geyser fed rivers, while buffalo and elk struggle through deep snowdrifts. In this uniquely beautiful time, nature tests all living things, and only the fittest survive.



**(137)CHEMICAL REACTIONS AND AIR POLLUTION**

(Altschul Group Corporation)

Length: 20 minutes      Release Date: 1994

Appropriate for Junior High

This program demonstrates chemical reactions by showing both simple and complex examples. Viewers learn the criteria that must be met for a chemical reaction to take place, and how burning the wrong fuel can create harmful pollutants. Includes a visit to a factory that is trying to create a smokeless fuel by burning the sulfur out of coal.



**(138)SHARING CARBON**

(Altschul Group Corporation)

Length: 20 minutes      Release Date: 1992

Appropriate for Grades 11- 12

This video shows how the movement of carbon and other elements throughout the global biosphere supports life. The biosphere's capacity to adjust to changes in the balance of nutrients is also explored.

**(139) THE REASONS FOR THE SEASONS**

(United Learning)

Length: 26 minutes      Release Date: 1997

Appropriate for Grades 3 – 5

Students are shown the scientific principles responsible for our planet's yearly cycle of seasons. The tilt of the earth's axis and the planet's orbit around the sun are discussed. Other topics include the role leaves play in the survival of trees and plants, and the reason why leaves change colors as trees prepare for winter.

**(140) THE GARBAGE STORY**

DEALING WITH SOLID WASTE DISPOSAL

(United Learning)

Length: 17 minutes      Release Date: 1996

Appropriate for Grades 5 – 9

Viewers visit state-of-the-art landfills, incinerators, compost and recycling facilities and learn how scientists and engineers are using the newest technology to deal with one of society's oldest problems. This video explores the health, social, environmental and economic issues involved in disposing of the over 200 million tons of trash we throw away each year.

**(141) EROSION AND WEATHERING**

(United Learning)

Length: 25 minutes      Release Date: 1998

Appropriate for Grades 5 – 9

This video is divided into four major sections: physical weathering, chemical weathering, erosion, and soil formation. Examples include Yosemite Valley, Bryce Canyon and Grand Canyon.

**(142) CLOUDS, WEATHER AND LIFE**

(United Learning)

Length: 12 minutes

Appropriate for Grades K – 4

This video is designed as an introduction to the hydrologic (water) cycle and to basic cloud identification. The program explains the important scientific concepts of weather. Lessons correspond directly with the National Science Education Standards.

**(143) COLLECTION AND PRESERVATION OF INSECTS**

(CEV Multimedia)

Length: 23 minutes

Appropriate for Older Elementary – Adult

Use this video to learn how, why, where and when to collect insects. Viewers learn how to preserve specimens in alcohol, on slides, on pins, and learn how to utilize spreading boards. Necessary equipment is identified and safe and proper techniques are demonstrated.



**(144) WHERE ANIMALS LIVE**

(Altschul Group Corporation)

Length: 14 minutes      Release Date: 1997

Appropriate for Elementary – Junior High

Viewers will learn about the array of shelters animals use and learn about the many factors that affect animal selection of shelters. In addition, viewers will learn about ecosystems, habitats and niches while seeing incredible wildlife footage.

**FULL CIRCLE**

(Altschul Group Corporation)

Length: 26 minutes      Release Date: 1991

Appropriate for Grades 11 – 12

Narrated by students, this program emphasizes the importance of recycling and reducing the amount of garbage being produced. The video examines schools that have set up recycling programs, and reviews environmentally-smart purchasing ideas.



**(145) TURN HERE SWEET CORN**

(Bullfrog Films)

Length: 38 minutes      Release Date: 1990

Appropriate for Grades 7 – Adult

This video is a powerful and poetic documentary on the ecological, cultural and historical consequences of farmland and farm people giving way to urban sprawl.

**(146) THE AIR WE BREATHE**

(Bullfrog Films)

Length: 49 minutes      Release Date: 1996

Appropriate for Grades 7 – Adult

An incisive look at how certain political choices and socio-cultural forces have led to the growing crises of air pollution. Looks at what steps certain cities are taking down the road for a cleaner transit system.

**(147) WATER AND THE HUMAN SPIRIT (PART 1)**

(Bullfrog Films)

Length: 28 minutes      Release Date: 1995

Appropriate for Grades 7 – Adult

This program is designed to create a better understanding of the intricate factors affecting a water body. Viewers meet people from all walks of life who demonstrate a determination to do something to improve the water situation in their communities.

**(148) WATER AND THE HUMAN SPIRIT (PART 2)**

(Bullfrog Films)

Length: 30 minutes      Release Date: 1997

Appropriate for Grades 7 – Adult

In this second part of the series, viewers meet farmers who are using conservation practices to protect water quality and make their farms more profitable. As the producer of the film notes, “The best way to preserve our waterway is to claim the resource as our own and to take charge of it.”

**(149) GRASSLANDS**

(Bullfrog Films)

Length: 45 minutes      Release Date: 1999

Appropriate for Grades 7 – Adult

This film examines the plants and animals that live in complex interdependency on the remaining tracts of native grasslands. Viewers also see how lessons

learned from the dust bowl of the 1930s can provide valuable knowledge for modern, sustainable agriculture.



### **(150) CAREERS IN WILDLIFE MANAGEMENT**

(CEV Multimedia)

Length: 43 minutes      Release Date: 1999

Appropriate for Junior High – Adult

A career in wildlife management involves the protection and preservation of wildlife for the enjoyment of future generations. Viewers learn the type of education, work experience and personal skills needed to begin this type of career. This film follows the work of a federal game warden, a state wildlife biologist, a manager of a rehabilitation center and others.

### **(151) PESTICIDES IN AGRICULTURE**

(Visual Education Productions)

Length: 30 minutes      Release Date: 1990

Appropriate for High School – Adult

This film will help viewers understand the issues surrounding the use of pesticides in agriculture. Historical methods of pest control as well as the environmental issues of the past three decades are examined. Candid interviews help expose the complexity of this issue.

### **(152) THE GOOD EARTH**

(National Association of Conservation Districts)

Length: 5 minutes      Release Date: 2000

Appropriate for all ages

This video is a five-minute odyssey that explores the visual wonders of our living planet. It's also a tribute to all of those who help care for it – those who have embraced the cause of conservation. An inspiring video you will want to see again and again.

### **(153) AMERICA THE BOUNTIFUL PART II: LAND**

(CEV)

Length: 22 minutes

Appropriate for Junior High – High School

Gives history of frontier settlement and the characteristics of what settlers looked for in land. Goes through the background of cotton and tobacco farming, on up to farming today.

**(154) WATER CONSERVATION IN THE HOME**

(CEV)

Length: 18 minutes

Appropriate for all ages

Teaches how to prevent wasting water in the home through several simple steps. Emphasizes why water conservation is so important. Quiz included.

**(155) SUBDIVIDE AND CONQUER:  
A MODERN WESTERN**

(Bullfrog Films)

Length: 57 minutes

Appropriate for High School – Adult

Examines the impacts of suburban sprawl and how it is affecting our communities. Suggests remedies and shows examples of sound public policy and good land use planning (1999).



**(156) WESTERN FERTILIZER HANDBOOK SERIES – SOIL**

(CEV)

Length: 27 minutes

Appropriate for all ages

Helps in the understanding of soil being a vital growing medium. Explains the components of soil, factors in soil formation, features of soil, and soil properties.

**(157) GRASS IDENTIFICATION I**

(CEV Multimedia)

Length: 34 minutes

Appropriate for Junior High to Adult

This video shows close-up views of 17 native grasses and gives characteristics, length of life, season of growth, origin, grazing value and reaction to abuse. Spelling and pronunciations of common and Latin names for each plant are

provided. Collaborated by champion FFA range and pasture judging team coaches.

**(158) GRASS IDENTIFICATION II**

(CEV Multimedia)

Length: 29 minutes

Appropriate for Junior High to Adult

This video is a continuation of part one, addressing an additional 17 grasses, giving characteristics, length of life, season of growth, origin, grazing value and reaction to abuse. Spelling and pronunciations of common and Latin names for each plant are provided. Collaborated by champion FFA range and pasture judging team coaches.



**(159) WASTE MANAGEMENT FOR A CHANGING ENVIRONMENT:  
“COMPOSTING”**

(EPA, TSSWCB, and Texas A&M University)

Length: 10 minutes (1998)

Appropriate for High School to Adult

**(160) TEXAS WILDLIFE CLINIC: PROMOTING WILDLIFE  
EDUCATION FOR FFA AND 4-H**

(Wildlife Alliance for Youth)

Length: 8:50 minutes

Appropriate for High School to Adult

This video shows segments from the Texas Wildlife Clinic, as participants receive instruction in career development, wildlife management, firearm safety, game laws, respect for private property rights, and wildlife plant identification. Through youth, education, and wildlife, strong ties are made with conservation and natural resources.

**(161) TRASH TO TREASURE: COMPOSTING FOR A BETTER  
ENVIRONMENT**

(EPA, TNRC, TSSWCB, NRCS)

Length: 10:42 minutes

Appropriate for Junior High School to Adult

Grass clippings are filling landfills, and we are running out of space! But composting grass clippings unites urban and rural communities for a mutual good.

Results are less fertilizers and pesticides, increased organic matter in soil, less erosion, improved water quality, and much, much more!

**(162) FIELD TRIP: TREE FARM**  
(CEV)

Length: 24 minutes

Appropriate for Elementary to Adult

Go on a different type of “farm” field trip to see how some of nature’s most beautiful and useful natural resources are grown and harvested for commercial sale. At this modern tree farm, you’ll watch selection, planting, digging, pruning, irrigation, commercial sales and shipping.

**(163) E HAZARDS: THEY’RE OUT THERE.....**  
(Environmental Protection Agency)

Length: 15:12 minutes

Appropriate for Elementary to Junior High School

This children’s video takes you through examples of environmental hazards which can harm children. Join agents Lana and Wolf as they track down E-hazards hidden in the most common places.



**(164) GRAZING MANAGEMENT: THE KEY TO TOTAL RANGE  
MANAGEMENT**

Length: 15 minutes

Appropriate for Junior High – Adult

The purpose of this video, produced by the Soil and Water Conservation Districts, is to look at benefits of a planned and applied grazing management program. Each program is different and is designed for the vegetation, livestock, wildlife, and farmer of each individual operation, and the improved profits that a total range management program offers the operation.

**(165) TEX-A-Syst: PART 1**  
**INTRODUCTION TO TEX-A-Syst**  
(TAES)

Length: 12 minutes

Appropriate for High School to Adult

Tex-A-Syst is a series to help rural residents assess the risk of ground water pollution, and to describe Best Management Practices that can help protect ground water. The Tex-A-Syst system is designed to help the user learn more about the environment, existing environmental policies and regulations, and recommended management practices for household and agricultural activities.

**(166) TEX-A-Syst: PART 2**  
**PESTICIDES AND FERTILIZER STORAGE**

(TAES)

Length: 10:30 minutes

Appropriate for High School to Adult

Pesticides and fertilizer play an important role in agriculture by increasing farm production and enabling farmers to manage more acres with less labor. Taking action to prevent contamination of ground water will help ensure that pesticides and fertilizers remain available for use. This video shows the importance of wise use and tips on how to correctly treat land.

**(168) TEX-A-Syst: PART 3**  
**PETROLEUM PRODUCT STORAGE**

(TAES)

Length: 7:55 minutes

Appropriate for High School to Adult

Storing liquid petroleum products above ground or underground presents a potential threat to public health and the environment. This video focuses on safe storage of gasoline, diesel, kerosene and liquid heating fuels and covers the following areas: storage tank location, tank design and installation, monitoring tanks and tank closure:

**(169) TEX-A-Syst: PART 4**  
**HOUSEHOLD HAZARDOUS WASTE AND SEPTIC SYSTEM**

(TAES)

Length: 15:50 minutes

Appropriate for High School to Adult

Household wastes are a part of our everyday life, but there are responsible measures that we can take to improve the waste around our homes. This video illustrates the use and disposal of household waste, as well as different types of septic systems and how to maintain them.

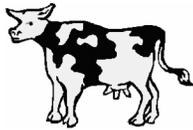
**(170) TEX-A-Syst: PART 5  
LIVESTOCK WASTE MANAGEMENT**

(TAES)

Length: 10:17 minutes

Appropriate for High School to Adult

Improperly managed manure can contaminate both surface and ground water with nutrients and disease-causing organisms. Open lots or holding pens for feeding or holding livestock can be sources of ground water contamination. This video demonstrates the necessary steps to take to avoid water contamination by livestock.



**(171) TEX-A-Syst: PART 6  
WELL PLUGGING**

(TAES)

Length: 10:08 minutes

Appropriate for High School to Adult

This video defines what qualifies as an abandoned well, possible contaminants that could damage wells, problems associated with contaminated wells, and ways to fix the problem. Six steps to plugging a well are described in detail.

**(172) TEXAS AGRICULTURE: TOMORROW'S FUTURE TODAY  
(USDA/NRCS)**

Length: 15:30 minutes

Appropriate for 8<sup>th</sup> Grade to Adult

The video is divided into six sections: Texas water and irrigation, cropland soils and rangeland, Texas wetlands, playas, and wildlife, Texas production agriculture, livestock, and conservation. Video summary, activities associated with the video, questions, and a study guide accompany this video.

**(173) IS THERE A BETTER WAY?**

(Soil Conservation Service/USDA)

Length: 6:57 minutes

Appropriate for High School to Adult

Everyone has something to offer when it comes to conservation. This video describes the history of soil and water conservation problems, and where we are headed into the future.

**(174) CONTINUOUS BERM MACHINE SET-UP**

(MBW, Inc.)

Length: 10:10 minutes

Appropriate for Adult Audiences

The importance of using best management practices (BMPs) is explained, as well as the effectiveness and efficiency of using berms to prevent soil and water erosion.

**(175) PECOS RIVER ECOSYSTEM PROJECT 2002**

(Texas Cooperative Extension, Texas Department of Agriculture, Upper Pecos SWCD)

Length: 15:04 minutes

Appropriate for 8<sup>th</sup> Grade to Adult

The Pecos River Ecosystem Project to eradicate Salt Cedar from the banks of the Pecos River is described. The danger of Salt Cedar trees include taking in much of the available water, causing the Pecos to go dry in areas, as well as causing an increased salinity in the river. Methods used to eradicate the Salt Cedar are described, as well as the success of the program.

**(176) COTTON: FROM FIELD TO FABRIC**

Length: 9:25 minutes

Appropriate for 6<sup>th</sup> Grade to Adult

This video describes the importance of cotton in our everyday lives. The cotton belt is identified, and best management practices for cotton crops are described, and their importance is noted. Growing seasons, harvesting machinery, and uses of cotton and cottonseed are described in detail.

**(177) NONPOINT SOURCE POLLUTION AND THE SOLDIER**

(Texas Army National Guard and the Texas State Soil and Water Conservation Board)

Length: 9:02 minutes

Appropriate for 6<sup>th</sup> Grade to Adult

The video targets the importance of conservation by military personnel, and the steps that are required by the National Guard to ensure that conservation occurs in

the training environment. The video focuses on erosion, debris, and chemical runoff as the three main contributors to NPS pollution on training grounds.



**(178) POINTLESS POLLUTION: AMERICA'S WATER CRISIS**

Length: 10:40 minutes

Appropriate for 4<sup>th</sup> Grade to Adult

This video highlights the Colorado River and Lake Travis areas, and focuses on nonpoint source pollution and the effect it has on our drinking water. Programs such as the Riverwatch Network and Hazardous Household Waste Collection Days are highlighted.

**(179) FACES OF THE FUTURE**

Length: 5 minutes

Appropriate for Kindergarten to Adult

Kids do, in fact, say the darndest things. But sometimes, what they say can really make us stop and think about their future and the Earth they will someday inherit. This video features entertaining responses from first graders on questions about conservation. An excellent way to get your audience involved and started on the right note for any event.

**(180) ALL THINGS ARE CONNECTED**

Length: 12:36 minutes

Appropriate for Grade 3 to Adult

This video is an adaptation of the legendary 1854 speech by Chief Seattle of the Suquamish tribe. A video full of beautiful nature scenes, the eloquent speech talks about people's relationship to the natural world and Native American land ethics.

**(181) PRODUCTION AGRICULTURE: FEEDING PEOPLE WHILE PROTECTING THE ENVIRONMENT**

Length: 10 minutes

Appropriate for Grade 3 to Adult

This video coincides with the 2003 Soil Stewardship theme “Food for the Future”. It explains how everyone can do their own part to ensure that there is enough food for future generations.



**(182) CAREERS: AGRICULTURE PRODUCERS**

Length: 31 minutes

Appropriate for Grade 7 to Adult

Students may be surprised to learn about some of the numerous jobs listed under the general heading of “agriculture producer”. The video outlines employment opportunities, necessary skills/degrees required, and average salaries for several general careers. Interviews with a vegetable producer, cotton producer, livestock producer, and a spur maker spark interest as they highlight what drew them into their specific careers.

**(183) MY FATHER’S GARDEN**

(1995)

Length: 56 minutes

Appropriate for Grade 7 to adult

This documentary tells about the use and misuse of technology on the American farm. In less than fifth years, the face of agriculture has been utterly transformed by synthetic chemicals which have had a serious impact on the environment and on the health of farm families. This film tells the story of two farmers, different in all details, yet united by their common goals of producing healthy food.

**(184) ON NATURE’S TERMS**

(2001)

Length: 25 minutes

Appropriate for Grade 7 to Adult

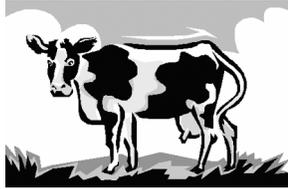
This film advocates the protection of predators and ecosystems, using dramatic footage and inspirational stories to show how ordinary citizens in both rural and urban America are doing their part to coexist in harmony with predators. The film chronicles how age old myths (some of which still exist) have devastated predator populations and brought many near to extinction as settlers made their way west.

**(185) ENVIRONMENTAL MANAGEMENT GUIDE FOR FEEDLOTS  
AND DARIES**

Length: 20 minutes

Appropriate for High School to Adult

Narrated by cowboy poet Baxter Black, this video is designed to help cattle feeders and dairymen better manage their environmental liabilities and keep pace with ever-changing regulations. This video focuses on environmental rules and other issues that affect Concentrated Animal Feeding Operations (CAFOs) in an easy to understand format.



**(186) AFTER THE STORM**

Length: 22 minutes

Appropriate for High School to Adult

All across America, people live, work and play in watersheds, without knowing it. As this video shows, protecting the nation's water resources will take the awareness and effort of individual citizens. Three case studies focus on the interconnections between water supply, water quality, and the economic vitality and quality of life in our community.

**(187) SOIL SURVEYS – WHAT'S IN IT FOR ME?**

Length: 10 minutes

Appropriate for High School to Adult

This video examines the nine different types of soils found in Texas. It shows the importance of soil surveys and how they can benefit in determining the soil type in your area.

**(188) THE CHEESEBURGER**

Length: 15 minutes

Appropriate for Middle School to Adult

When it comes to America's favorite sandwich, there is more than meets the eye. Join us as we visit farms, field and markets to trace the origins of they key ingredients in a cheeseburger.

**(189) FIELD TRIP: DAIRY FARM**

Length: 28 minutes

Appropriate for High School to Adult

This is not your usual “how we get our milk and cheese” field trip. Shot on location at a model dairy farm, the program focuses on dairy cattle management and milk production.

**(190) DISEASE: MAD COW & FOOT & MOUTH**

Length: 27 minutes

Appropriate for High School to Adult

Top authorities across the US explain the nature of Foot & Mouth Disease and the mysterious agent carrying Mad Cow. Topics include the potential for human fatality, signs and symptoms, security measures preventing these diseases and other topics.

**(191) DESTROYING THE MYTH**

Length: 10 minutes

Appropriate for High School to Adult

This video describes the role that trapping plays in wildlife management with humane techniques and practices.

**(192) BALANCING NATURE: TRAPPING IN TODAY’S WORLD**

Length: 28 minutes

Appropriate for High School to Adult

This video describes the role that trapping plays in wildlife management with humane techniques and practices.



**(193a) WATER: FOR THE LIFE OF TEXAS**

Length: 23 minutes

Appropriate for Middle School to Adult

This video examines Texas’ water planning process and the long-lasting impacts the state’s water management decisions have on our economy.

**(193b) FANTASTIC JOURNEY TO THE FARM**

Length: 35 minutes

Appropriate for K-4<sup>th</sup> Grade

In this video, you'll ride tractors and combines with farmers as they plow, plant and harvest. You'll feed a baby calf, see a modern dairy farm and gather warm eggs from the hen house.

**(193c) The Evolution of Plants – Now available in DVD!!!**

(Cambridge Educational)

Length: 15 minutes

Appropriate for all ages

This Science Screen Report explores ways in which plants have evolved since moving from sea to land approximately 400 million years ago. The program describes how the evolution of vascular systems made terrestrial life possible, and how plants with woody stems evolved into trees. With wide-ranging examples, including the Venus flytrap, the Wollemi Pine, and the giant sequoia, the video explains how different adaptations enable plants to reproduce, obtain nutrients, withstand fire, and ward off predators. It also covers basic botanical concepts such as photosynthesis, pollination, and germination.

**(194) The Life of Seeds: Agricultural Science – Now available in DVD!!!**

(Cambridge Educational)

Length: 13 minutes

Appropriate for all ages

This edition of Science Screen Report focuses on the importance of seeds and scientific efforts to protect the global seed supply. Describing activities at the USDA's National Seed Storage Laboratory, where zero-degree and cryogenic technology has been implemented to maintain one of the world's largest seed archives, the program also details genetic engineering operations that have enabled scientists to copy or enhance wheat and other agricultural plants without the use of seeds. This is an excellent illustration of areas in which agriculture and technology have merged.

**(195) Principles of Ecology – Now available in DVD!!!**

(Films for the Humanities and Sciences)

Length: 23 minutes

Appropriate for all ages

The principles of ecology establish the relationships that interconnect humans as a biological species with each other and with their environment. This program also considers the Gaia Hypothesis and the view of the planetary ecosystem as a gigantic living organism, and explores the urban ecosystem, which must provide its population with an adequate environment.

**(196) State of the Planet: Biosphere in the Balance – Now available in DVD!!!**

(Films for the Humanities and Sciences)

Length: 50 minutes

Appropriate for all ages

The most striking feature of life on Earth is its richness and variety. But research shows that the planet's biodiversity is seriously threatened with destruction by human activities. From the depths of the oceans to the tops of rainforest canopies, from the African savannas to the soil underfoot, this program hosted by David Attenborough reveals the extent of that living bounty—and the chilling rate at which species are becoming extinct. The research of paleontologist Peter Ward, marine biologist Sylvia Earle, entomologist Terry Erwin, and biologists Sir Robert May, Edward Wilson, and John Lawton is featured. A BBC Production.

**(197) The Once Good Earth: Understanding Soil – Now available in DVD!!!**

(Films for the Humanities and Sciences)

Length: 47 minutes

Appropriate for all ages

Beneath our feet lies a world of violence, death, and renewal—the soil. This program takes viewers deep inside that unseen realm, focusing on the chemical and ecological complexity that enriches soil and sustains plant and animal life. A wide array of fungi, microorganisms, insects, and small animals are examined, illustrating the roles they play in the development of root systems and eventually the farms and forests humans need to survive. Highlighting the use of organic fertilizers and pesticides, the program shows that the medium in which life grows and dies is more than the sum of its parts, and that, although the true importance of soil is rarely visible, it must not be taken for granted.

**(198) Plants out of Place: Facing the Green Invasion – Now available in DVD!!!**

(Films for the Humanities and Sciences)

Length: 61 minutes

Appropriate for all ages

Quickly and quietly, non-native invasive plants are making deep inroads across America, depriving entire ecosystems of the living things and natural resources they depend on to survive. This program illustrates the alarming environmental and commercial impact of non-native invasive plants; explains why they were planted and how they got out of control; introduces federal, state, and local organizations dedicated to stopping them; and describes mechanical, biological, and chemical methods of fighting them. The program also catalogues numerous pest plants currently wreaking havoc, including kudzu, purple loosestrife, garlic mustard, giant salvinia, yellow star thistle, and water hyacinth.

**(199) Keeping our Waters Clean: Watershed Mgmt and TMDLs  
– Now available in DVD!!!**

(Films for the Humanities and Sciences)

Length: 44 minutes

Appropriate for all ages

Despite great strides made in reducing point source pollution, America still has 300,000 miles of rivers and streams and 5 million acres of lakes that remain contaminated. This documentary examines how coastal and inland communities across the country are turning their attention to controlling non-point source pollution through watershed management and TMDL—total maximum daily load—programs. Water quality assessment, development of a pollution abatement plan, plan implementation, and follow-up monitoring are presented. Community education is cited as the key to successful long-term remediation.

**(200) Soil Biology – Now available in DVD!!!**

(San Luis Video Publishing)

Length: 120 minutes

Appropriate for all ages

Loaded with information on the many organisms which make up the soil environment. From easily visible earthworms to microscopic bacteria, this program offers valuable information on the roles and interactions of the soil's flora and fauna. See how soil biology relates to soil horizons, porosity, water holding capacity and other physical properties of soil. While soil fertility is often measured by a soil's chemical, mineral and organic matter content, new research is presented on how the many species of mesofauna can be extracted from the soil, and then used as indicators of soil fertility. Examine soil pests as well as beneficial life forms found in the soil. This video also examines human attitudes towards soil organisms, and explains how opinions can develop which are not always based on science.

**(201) General Science Series: Water of the World- Available in DVD!**

(Instructional Video USA)

Length: 29 minutes

Most people know that the water is unevenly distributed over the Earth's surface in oceans, rivers and lakes, but few realize how very uneven the distribution actually is. The World's oceans - 139 million square miles of it - contains 317 million cubic miles of Saltwater. The atmosphere is another kind of ocean and moves water vapor around the world until it falls as precipitation. This video examines the HYDROLOGIC CYCLE and shows the major water movement in the United States. This program also examines how Ground Water stores and releases water. The program also looks at Lakes, Major River Systems in the World. And looks at the World's estimated water supply. It also discusses how much water is stored in Continental and Alpine glaciers.

**(202) Proper Pasture Management- Available in DVD!**

(Chip Taylor Communications)

Length: 15 minutes

Pastures are important production areas for farmers, horsepersons, and other livestock managers. This insightful program shows how being a good steward of a pasture allows a person to maximize economic returns while protecting water quality and wildlife habitat.

**(203) Soil Testing- Available in DVD!**

(Insight Media)

Length: 16 minutes

This program explores the texture and structure of soil. It discusses plant nutrients as elements and indicators and presents laboratory and field demonstrations that examine soil texture, structure, dispersion, pH, and salinity.

**(204) How Dare They Call it Dirt- Available in DVD!**

#1 – A look at Soil

#2 – The Role of Soil

(Insight Media)

Length: 60 minutes

This DVD examines the composition and functions of soil and describes its origins in the bedrock; importance to production and decomposition; and role in the carbon, water, and nitrogen cycles.

**(205) History's Harvest: Where Food Comes From- Available in DVD!**

(Insight Media)  
Length: 62 minutes

This program traces 10,000 years of agricultural history from the origin of agriculture in the Near East through modern developments in genetic engineering. It visits fields, laboratories, and grocery stores to explore every aspect of food production. The program also includes interviews with farmers, scientists, and restaurant owners.

**(206) Underground Water – Available in DVD!**

(TMW Media Group)  
Length: 20 minutes

This video discusses how water is trapped between grains of rock underground. discover wells, water flow, hydrology, artesian wells and the water table

**(207) The Properties of Soil – Available in DVD!**

(San Luis Video Publishing)  
Length: 24 minutes

Soil is one of our most valuable natural resources. Our food supply depends on it, and our stewardship of the land will determine our future. Understanding the physical properties of soil leads to better informed management decisions by many people including farmers, landscapers, civil engineers, architects, land use planners and resource specialists. By knowing the properties of our soils, we can make better decisions about its use and conservation. In this video, we cover the physical properties of soil texture, structure, water, slope, depth and color. Viewers learn how soil is formed as we explore the five soil forming factors of climate, organisms, parent material, topography and time. Types of rocks and how they are formed are also included. Beautiful videography and relevant examples make this video a pleasure to watch as students learn about the properties of soil and why it is important.

**(208) How Chemicals Move Through Soil – Available in DVD!**

(Cooperative Extension, College of Agriculture, The University of Arizona)  
Length: 27 minutes

Ideal for viewers concerned with water quality and other groundwater issues. Concepts presented include chemical transport (diffusion, convection, and hydrodynamic dispersion), chemical interactions (adsorption, absorption, desorption, cation exchange) and chemical transformations (hydrolysis, photolysis, oxidation and reduction) as they occur in soil. Computer models actively demonstrate comparisons of different chemicals as they move through soil.

(209) **GARBAGE! The Revolution Starts at Home**

With his first son just born, filmmaker Andrew Nisker is very concerned with the state of our planet. As the average household level of consumption rises, so does the astronomical amount of waste we collectively create. Are we turning the earth into one giant garbage can? Determined to understand the damage we are doing, Nisker enlists the average urban family, the McDonalds, to keep every scrap of garbage that they produce for three months in their increasingly smelly garage. From organic waste to dirty diapers, from plastic bottles to Christmas wrapping, the McDonald's discover that for every action there is a reaction that affects them and the entire planet.

Topics covered: recycling, composting, landfills, home energy usage, coal mining, stormwater runoff, water quality, packaging, household cleaning products.

Run time: 76 min.

(210) **A CONVENIENT TRUTH: Urban Solutions from Curitiba, Brazil**

An informative, inspirational documentary aimed at sharing ideas to provoke environment-friendly and cost-effective changes in cities worldwide. The documentary focuses on innovations in transportation, recycling, social benefits including affordable housing, seasonal parks, and the processes that transformed Curitiba into one of the most livable cities in the world.

This documentary includes exclusive interviews from world renowned Curitiba's mayors Jaime Lerner and Cassio Tanigushi, as well as other brilliant minds who made Curitiba a world class model.

In a time of so many inconveniences, it's good to know of places where things are done conveniently right.

Run Time: 52 minutes

(211) **All About Garbage and Recycling** - 2 films on one DVD!

Did you know that one person throws away about five pounds of garbage a day? That's nearly 1,800 pounds a year! So, what happens to all that garbage? Join Backpack Jack and his friends as they dive into the big, stinky and amazing story of garbage. You'll laugh, you'll learn and you'll hold your nose as you discover what happens to garbage after it leaves your home and all the cool ways we can recycle and keep trash out of the landfills. You'll see the monster machines that transform old stuff into new stuff. You'll even see an ultimate car crusher that can flatten a truck into a pancake!

Approx 25 min

## TRUCKS

Featuring Hard Hat Harry

You're in the driver's seat with big rigs, small trucks., and everything in between! Take a road trip with a big old 18-wheeler and see what its like to sleep in the cab, hook up the trailer and even talk to other truckers on the CB radio!

Approx 30 mins

### (212) **Building With Awareness: the construction of a hybrid home**

The most comprehensive video ever made on the design and construction of a green home. This how-to DVD will show you how to use straw bale walls for insulation, interior adobe walls for thermal mass (which greatly improves the performance of a straw bale home), earth plasters for a beautiful finish, 100% electrical generation by sunlight, and passive solar heating and cooling. This video could save you thousands of dollars in design and construction costs.

### (213) **Energy Conservation**

Renewable energy offers a long term solution to the problems caused by our use of fossil fuels, but if we want to make an immediate impact, the best place to start is energy conservation. Developed countries like Australia have relied on cheap energy to maintain high living standards, but this has produced a culture of wastefulness and inefficiency. This program takes the audience on a tour of an energy efficient house to show how the average home can cut energy use. To make sure the audience identifies with the subject, we also visit an average household and an average high school, to see what they've done to conserve energy. Once people are educated about the way we use energy, they realize how easy it is to make the small changes that are needed to cut our energy use. This program shows that this results in big savings on our energy bills and makes a significant contribution to the health of our planet.

Duration: 28 min.

Subjects: Social Studies

Grade Level: 9, 10

### (214) **Gimme Green**

Is a humorous look at the American obsession with the residential lawn and the effects it has on our environment, our wallets, and our outlook on life. Lawns are undeniably an American symbol. But what do they really symbolize? Pride and prosperity? Or waste and conformity?

It's estimated that Americans use approximately 50 percent of their household water on their yards. By examining the social, commercial, and environmental pressures surrounding the green grass aesthetic, we begin to understand how a non-edible, resource-intensive plant could become our nation's largest irrigated crop.

From the limitless subdivisions of Florida to sod farms in the arid southwest, Gimme Green peers behind the curtain of the \$40-billion industry. Spanning a wide range of perspectives and locales, and employing an engaging blend of gravity and levity, this documentary short examines Americans' true motives for maintaining a lush green lawn in their yards.

Run Time: 27 minutes

(215) **Oil On Ice**

Oil on Ice is a vivid, compelling and comprehensive documentary connecting the fate of the Arctic National Wildlife Refuge to decisions America makes about energy policy, transportation choices, and other seemingly unrelated matters. Caught in the balance are the culture and livelihood of the Gwich'in people and the migratory wildlife in this fragile ecosystem.

Film Length: 90

(216) **Power Shift: Energy + Sustainability**

Hosted and narrated by Cameron Diaz, this exciting four-part program circles the globe, exploring the remarkable ways that energy touches our daily lives. Cleverly weaving together the lives of astronauts in the Space Station, villagers in the Amazon, and an actress in Hollywood, the film examines vital energy issues and suggests ways that students can create a sustainable future.

In Connections, viewers discover how energy links us as a global community. Cradle to Cradle profiles architect William McDonough, a TIME magazine "Hero of the Planet," and his innovative green building designs. Energy Path answers the question 'When I turn on the light in my room, where does the electricity come from and how does it reach me?' Be the Difference encourages personal action steps such as requesting renewable energy from utilities, driving hybrid cars, and buying energy-efficient appliances.

Length: 30 Minutes

(217) **Ten Days to Paint the Forest**

An international group from the Artists for Nature Foundation are invited to Peru to sketch and paint the unusual dry forest of Tumbesia. It teems with unique species but is being cut down at an alarming rate.

A local community have got together to put life back into their forest and restore their land to what it was. Chaparri Reserve is the first self-run project of its kind and the artists agreed to give of their time and talent to support the farmers' success in turning around the fortunes of their forests. Proceeds from the book of their artwork, the pictures themselves, and this video too, will promote their cause.

See how the artists do it: from the moment they spot a bird to the last stroke of the brush. As they paint, they explain what they do, what motivates them, and what their feelings are for the forest and its creatures.

But its not just about painting: see extraordinary film of Spectacled Bear and White-winged Guan in their breeding season; endemic hummingbirds dance above a waterfall as they bathe; the rare Marvellous Spatetails fight over their mupa mupa trees; traditional fishermen surf the waves in their flimsy reed canoes.

This DVD gives deep appreciation of one of the world's three richest areas of biodiversity. Though faced with many threats, this small corner has been saved by the bold Chaparri project.

Film Length: 82 min

(218) **The Power of Community: How Cuba Survived Peak Oil**

The DVD focuses on Cuba's transition from an industrial petroleum-based society to a sustainable society, as a result of their loss of petroleum when their source, the Soviet Union, collapsed.

The goals of this film are to give hope to the developed world as it wakes up to the consequences of being hooked on oil, and to lift American's prejudice of Cuba by showing the Cuban people as they are. The filmmakers do this by having the people tell their story on film. It's a story of their dedication to independence and triumph over adversity, and a story of cooperation and hope. Several Cubans expressed the belief that living on an island, with its natural boundaries, breeds awareness that there are limits to natural resources.

RUNNING TIME: 53 minutes

(219) **The Real Dirt on Farmer John**

Is a personal documentary about John Peterson, a farmer, artist, and eccentric/innovative thinker cast in rural Illinois. Filmmaker Taggart Siegel has documented John's struggle to redefine his family farm for over twenty years, witnessing the colorful drama of John's life. With the death of his father during the late 60's John turns his traditional family farm into an experiment of art and culture, making it a haven for hippies, radicals and artists.

The Real Dirt on Farmer John charts the end of this idealistic era as the farm debt crisis of the 1980s brings about the tragic collapse of the farm. As the intricate weave of rural America unravels, vicious local rumors turn John into a scapegoat, condemning him as a Satan-worshipping drug-dealer. Threatened with murder, his home burned to the ground, John defies all odds to transform his land into a revolutionary farming community. At the film's close, the Peterson family farm is one of the largest Community Supported Agriculture (CSA) farms in the United States. Out of the ruins of single-crop agriculture, John creates an extended farm village where people and art can thrive alongside agriculture.

Age Group: High School

Run Time: 82 minutes

(220) **Walking the West**

A New Zealander and an Irishman, quit their jobs, cash in their savings and walk 2,626 miles from Mexico to Canada along one of the longest and most challenging foot trails in the world, the Pacific Crest Trail.

Their route takes them through some of the most spectacular scenery in North America, including California's deserts, the alpine lakes and granite peaks of the Sierra Nevadas, and the massive volcanoes and temperate rainforests fo the Cascade Mountains.

Walking a challenging pace of 21 miles a day for 4.5 months, they must cross the Canadian border before winter storms hit the Cascades. The ordeal forced one of them to quit just 60 miles before the finish. This epic adventure is an exhilarating antidote to the predictability of modern life.

Film Length: 56 min

(221) **Water Down the Drain - CD Rom**

THIS IS AN INTERACTIVE CD-ROM.

Learn the story of water pollution from a frog! Irresistible Alex, a sixfoot hip-hopping frog, introduces the causes of non-point runoff pollution in urban settings ? as only a frog can! Six modules introduce a watershed landscape perspective and provide information about the impacts of impervious surfaces and pollution problems and solutions common to residential lots.

This media-rich CD-ROM also profiles two citizen stewardship projects and features an unforgettable music video. This program is the perfect story of the hazards of pollution for students and families alike!

Film Length: 20

Film Age Group: 8 +

(222) **Salmonera**

Industrial salmon farming is a booming business, especially in Chile, where a "blue revolution" in seafood production is leading the market.

From Coastal Alaska to the South of Chile, witness the disturbing changes this aquaculture boom heralds for fishermen, consumers, and environmentalists alike.

Salmon isn't what it used to be. Ninety percent of salmon eaten in the U.S. is factory farmed, not caught. The fish are raised by the millions in giant floating netpens, all over the globe. The southern coast of Chile is one frontier being transformed from a string of remote fishing villages into fish farm row. Now, the booming industry is also putting fishermen half a world away out of business.

In Alaska, where wild salmon abound, prices for fishermen have hit record lows, and many have been forced to abandon the fishing life. Dennis Longstreth is one of the few holding on. But for how much longer can he, when competing in a market saturated with cheap farmed fish?

Marine Harvest is the largest fish farm company worldwide, and a primary exporter to the United States. A Scottish manager working for the company in Chile demonstrates how to build the biggest salmon for the buck. He hoses processed pellet feed through a powered cannon and uses floodlights at night to hasten their growth. But recent reports suggest these bio-tech manufactured fish may come with an added price: toxicity.

Local historian Renato Cardenas has watched the multinational industry since it came to Chile in 1975. He says that salmon farms are also destroying the marine ecology. Not much time remains, he says, before the companies disappear and take the jobs with them.

Film Length: 21 Min.

(223) **Sustainable Coastal Management**

This program looks at the causes, effects and sustainable management of coastal erosion and deposition. Filmed along the famous limestone coastline of Holderness in the UK, the DVD provides classic examples of the different landforms and how they are formed, including: limestone caves, headlands and stacks as well as beaches and spits.

The program explores the challenges created by the coastline, both from erosion and tourism and how it is managed, including hard and soft engineering. It also examines the impact of the different management techniques.

Duration: 35 min.

Grade Level: 10+

(224) **GoingGreen: Every Home an Eco-Home**

Mixing humor with everyday, affordable examples at home, GOINGGREEN tours the original Eco-Home with a group of middle-school kids who discover first-hand some simple, inexpensive ways to become more earth-friendly. Guided by eco-pioneer Julia Russell, Founding Director of the non-profit, Eco-Home Network, the children learn how to conserve water through drip irrigation, soaker hoses, graywater systems and drought-tolerant landscaping. They discover why and how to compost, what household hazardous waste may be lurking in their own homes, and how to use the sun's energy to light, heat and power their homes with sun pipes, solar hot water heaters and solar panels. The kids experience the delight of making their own organic tomato juice with tomatoes they picked right off the vine in Eco-Home's backyard garden. They learn, hands-on, how to compost, and have fun watching the progress of several serious-looking bugs that Julia describes as a crucial part of the 'composting team'. The kids ask questions and then come up with some of the answers!

GOINGGREEN shows us how we can live earth-friendly lives on a limited budget, even in the middle of a city. Narrated by environmentally aware actor Tony Shalhoub, a veteran of stage, screen and television, currently starring in the TV series, 'Monk.'

Running time 24:20 mins.

[DOWNLOAD PDF DISCUSSION GUIDE](#)

## **MODELS ALSO AVAILABLE**

**GROUNDWATER FLOW MODEL** – Shows a cross section of soil layers with a lake, a lagoon, and several wells represented. Uses a vacuum pump and injection dyes to demonstrate the flow of groundwater through soil and show how pollutants can travel in groundwater. Accompanied by an instructional video with tips on the setup, presentation and clean-up.

**NPS (WATERSHED FLOW) MODEL** – A hands-on model that allows students to understand how water sources can become polluted from non-point source. The plastic structure has industrial, undeveloped, agricultural, residential and roadway components, complete with individual houses, trees, cars, tractors, and cows. When “rain” falls on the model, runoff carries “pollution” into the city lake.

**THE MODELS ARE AVAILABLE FOR LOAN AT NO CHARGE.  
THE BURROWER IS RESPONSIBLE FOR ALL SHIPPING FEES.**

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