

Plants

Activities of Plants

594284 VH, DV, DM

I 14 min CA 2004 Visual Learning Company

Closed-captioned. Investigates important plant activities including photosynthesis, reproduction, growth, and germination. VHS has separate Teacher's Guide. DVD contains: 1 Disc (Includes same material as VHS plus video index, labeled slides, glossary, subtitles, Teacher's guide, and iMovie project).

Plants; Photosynthesis

Air

024489 VH

I 25 min CA 2000 Lucerne Media *Wonder Why Series* - Closed-captioned. Explains how air effects weather and shows how to make a simple barometer.

Weather; Air; Photosynthesis

All About Caring for Plants

593340 VH

P 23 min CA 2000 Library Video Company

Plant Life For Children Series - Closed-captioned. Discover the basic necessities that plants require to grow from seedlings to healthy adult plants. Activity shows how changes in the environment influence a plant's growth. Teacher's guide.

Plants

All About Plant Adaptation

593339 VH

P 23 min CA 2000 Library Video Company

Plant Life For Children Series - Closed-captioned. Learn some of the amazing ways plants have adapted enabling them to survive almost anywhere on Earth. A hands-on experiment shows how the Venus flytrap has adapted to survive in mineral free water. Teacher's guide.

Plants

All About Plant and Animal Interdependency

593341 VH

P 23 min CA 2000 Library Video Company

Plant Life For Children Series - Closed-captioned. Discover how plants and animals interrelate. Plants provide oxygen, food, shelter, medicine, and more for animals. Animals provide carbon dioxide and help in plant reproduction. Activity demonstrates how animals affect seed dispersal. Teacher's guide.

Animals; Ecosystems; Plants

All About Plant Pollination: Fruit, Flowers, and Seeds

593338 VH

P 23 min CA 2000 Library Video Company

Plant Life For Children Series - Closed-captioned. Learn the different parts of a flower and see how the flower becomes pollinated. Uses microscopic photography and detailed diagrams. Learn about the structure of seeds, how they develop inside fruit, how they are dispersed, sprout, and grow. Activity lets children pollinate a flower and observe the development of its seeds and fruit. Teacher's guide.

Fruit; Plants; Seeds; Flowers; Pollination

All About Plant Structure and Growth

593342 DV

P 23 min CA 2000 Library Video Company

Plant Life For Children Series - Closed-captioned. Uncover the secrets of roots, stems, and leaves as a seed sprouts and grows into a tree. Experiment proves that xylem tissue flows through all parts of a plant. Learn how to identify all types of leaves...simple, compound, and needle. DVD contains: 1 Disc with Discussion Questions and Activities, Investigation Data Sheet, Chapter select, and In-case Teacher's guide.

Plants; Growth (Plants)

All About Seeds

023505 VH

P 8 min 1993 Troll Associates

First Time Science Series - Animated. A vegetable, a fruit, or a mighty oak...each plant can trace its roots to a tiny seed nurtured by sunshine and rain.

Seeds; Plants

Applechia

597753 DV

IMJS 23 min 2004 Bullfrog Films

Secret World of Gardens Series - Uses macro-lenses and time-lapse photography. Explore the life of an apple tree and all the creatures who call it home throughout the year such as tent caterpillars, several varieties of moths, and woolly apple aphids to name a few. Add to that the thousands of visitors that drop by every day. Contains: 1 Disc.

Gardening; Insects; Ecosystems; Apples; Plants

Apples

025458 VH

I 30 min CA 1996 Susan DeBeck

Closed-captioned. Covers the subject of apples in depth. Includes Johnny Applesed, historical uses of the apple, propagation of trees, pruning and the growth cycle, apple crafts, legends, and recipes. Teacher's guide.

Applesed, Johnny; Apples; Plants; Fruit

Australia's Plants: Surviving Down Under

024211 VH

PI 15 min 1993 TV Ontario

World of Nature Series - Designed to survive, Australia's plants employ some unusual methods to ensure pollination.

Pollination; Ecology; Australia; Plants

Basics of Cell Biology Series

For descriptions see individual titles:

Photosynthesis: Transforming Light to Life [596396]

Bill Nye the Science Guy Series

For descriptions see individual titles:

Flowers [590902]

Food Web/Ocean Life [024452]

Plants/Forests [024470]

Biology of Plants

590878 VH

MJS 18 min CA 1998 BioMedia Associates

Biology of Series - Closed-captioned. Describes the molecular level mechanisms of photosynthesis.

Introduces the major plant groups: non-vascular, primitive vascular, and seed plants. In-case Teacher's guide also available on MOM with streaming.

Plants

Biology of Plants Series

For descriptions see individual titles:

How Plants Get Food [022949]

How Plants Grow [022948]

How Plants Live in Different Places [022952]

How Seeds Get Here...And There [022951]

Plants and Life on Earth [022953]

Biology of Series

For descriptions see individual titles:

Biology of Plants [590878]

Biology: The Science of Life Series

For descriptions see individual titles:

The Flow of Matter and Energy in the

Living World: Photosynthesis and Cellular Respiration [591177]

The World of Plants [591477]

Plants

The Carrot Seed

040202 BB
P 24 p. 1989 Scholastic Inc.
The patient little boy tends his carrot seed and one day gets a wonderful surprise. Author: Ruth Kraus. Illustrator: Crockett Johnson. 1 Big Book, 30 Books, Teacher's Guide, 1 Audio cassette. Reading level 1, Interest level K-3
Growth - Fiction; Seeds

Cell Biology Resource Series

For descriptions see individual titles:
Chloroplast and Photosynthesis [024665]
Introduction to Living Cells [024663]

Cellular Energy and Metabolism

026115 VH
JS 15 min 1998 YITM Productions
Science Key Concepts Series: Biology - Covers photosynthesis, respiration, and enzymes in this three part video on key concepts in cellular energy and metabolism. Teacher's guide.
Biology; Enzymes; Respiration; Photosynthesis

Chloroplast and Photosynthesis

024665 VH
MJS 15 min 1996 BioMedia Associates
Cell Biology Resource Series - Looks at the process of photosynthesis: how chlorophyll molecules convert light to energy.
Light; Bacteria; Cells; Photosynthesis; Plants

ConceptLinks Series

For descriptions see individual titles:
Plants Module [596750]

Core Biology: Plant Sciences

597821 DV
JSA 30 min CA 2007 Ambrose Video Publishing Inc.
Core Biology Series - Closed-captioned. Examines key points in the development of plant science in chronological order. Program Segments: 323 B.C. - Theophrastus *Foundations of Botany*; 1682 - Plant Physiology; 1694 - How Plants Reproduce; 1838 - Cellular Basis of Plant Life; 1866 - Mendel's Laws of Inheritance; 1886 - Nitrogen-Fixing of the Pea Family is Explained; 1946 - Photosynthesis; and 1969 - Five Kingdoms of Life. Contains: 1 Disc and Teacher's guide folder.
Plants; Botany; Biology

Core Biology Series

For descriptions see individual titles:
Core Biology: Plant Sciences [597821]

Cycles of Life: Exploring Biology Series

For descriptions see individual titles:
Plants: Module 4 [594858]

Dandelion

023022 VH
PI 10 min 1990 Greatest Tales, Inc
How Plants Grow Series - Time-lapse photography gives students a close-up look at the life cycle of the dandelion plant. Its new growth in spring produces clusters of flowers that attract insects that pollinate the plant. Later in summer, a white puff with new seeds develop and the seeds scatter in the wind keeping the dandelion coming back every year. Teacher's guide jacket.
Plants; Insect-Plant Relationships; Seeds

Early Science Series

For descriptions see individual titles:
Seeds Get Around [045068]

Earth, Ecology, and Environment

041340 KT
PI 1996
Explores ways to make earth a better place to live. 6 Books: 1000 FACTS ABOUT THE EARTH/by Moira Butterfield - Discover the many aspects of our planet such as volcanoes, rivers, deserts, rain forests, mountains, oceans, and weather; LITTLE GREEN THUMBS/by Mary An Van Hage - Provides ideas and instructions for projects that involve growing various kinds of plants indoors during the different seasons; WHAT ROT! NATURE'S MIGHTY RECYCLER/by Elizabeth Ring - Discover all the ways decomposition and the tiny organisms created aid the maintenance of the cycle of life; COMPOST! GROWING GARDENS FROM YOUR GARBAGE/by Linda Glaser - Describes for the very young child, what composting is, what it does, and how to go about it; RESCUE MISSION: PLANET EARTH with guide/by children from around the world - Through stories, interviews, case studies, poetry, paintings, drawings, and photographs, children share their ideas for a global plan of action to better manage the world's resources; GARDENS FROM GARBAGE/by Judith F. Handelsman - Shows how to grow houseplants from pieces of potatoes, corn, watermelons, garlic, pineapples, citrus fruits, squashes, beans, lentils, wheat, sunflowers, tomatoes, avocados, apples, and other kitchen scraps. Each section includes historical facts relating to that plant. 1 VHS: Earth Day - 11:00.
Gardening; Earth Science; Environment; Plants; Recycling

Everything Grows!

024270 VH
P 30 min CA 1995 Dorling Kindersley Education
Hullabaloo Series - Closed-captioned. Buddy, the elephant, and Pip, the mouse look at how things grow.

Growth; Plants; Animals; Growth (Plants)

Eye of the Cyclops Series

For descriptions see individual titles:
Food Chains Begin with Photosynthesis [590860]

The Face

026823 VH
PI 22 min 1999 New Dimension Media
A storyteller tells children that his wonderful mask will go to whoever does the best with the seeds he gives each of them. Jacob learns about honesty and doing one's best as he strives to win the magical mask. Inspired by the traditional tale "The Magic Seed". Study guide.
Seeds; Honesty; Seeds - Fiction; Folklore

Farm to Market Series

For descriptions see individual titles:
Flowers [594305]

First Film Series

For descriptions see individual titles:
What Do Flowers Do?: A First Film [023283]

A First Look Series

For descriptions see individual titles:
Plants: A First Look [026870]

First Time Science Series

For descriptions see individual titles:
All About Seeds [023505]

The Flow of Matter and Energy in the Living World: Photosynthesis and Cellular Respiration

591177 VH
IMJ 15 min CA 2000 United Learning
Biology: The Science of Life Series - Closed-captioned. Reviews basic concepts of matter, energy, elements, atoms, molecules, and chemical reactions. Then shows how energy flows through the living world via photosynthesis, cellular respiration, and food chains. Teacher's guide with blackline masters.
Food Chains (Ecology); Energy; Photosynthesis

Flowers

I 26 min CA 2000 Disney Educational Productions
Bill Nye the Science Guy Series - Closed-captioned. Shows the function of flowers...making seeds, playing a role in pollination, and helping plants reproduce. Study guide jacket and booklet.
Flowers; Plants

Plants

Flowers

594305 VH
PI 10 min 2002 Phoenix Learning Group

Farm to Market Series - Visit farms raising flowers commercially both outdoors and in greenhouses. Follow the flowers to a wholesale market where merchants buy blooms for their stores. Teacher's guide jacket.

Agriculture; Flowers

Flowers at Work

022349 VH
IMJS 16 min 1983 Encyclopedia Britannica

Combines animated sequences with live action photography to clarify the process of pollination and to illustrate the functions of the major parts of flowers. Closely examines the role of wind, insects, and water in achieving cross-pollination, and shows how hybridization is used to control pollination in agriculture and horticulture.

Pollination; Flowers; Hybridization, Vegetables

Foam Flower Model

594866 KT
PIMJ 1999 Delta Education Inc
Teaching model with removable pieces shows the flowers major parts. Contains: 12 foam pieces of a flower; 1 Teacher's guide.

Flowers; Plants

Food Chains Begin with Photosynthesis

590860 VH
IMJ 15 min CA 2000 BioMedia Associates

Eye of the Cyclops Series - Closed-captioned. A microscopic research vessel rescues a single algae cell and discovers how algae start food chains that sustain the fish, birds, and mammals in a pond. Teacher's guide.

Food Chains (Ecology); Ecosystems; Photosynthesis

Food Web/Ocean Life

024452 VH, DM
I 52 min 1994 Disney Educational Productions

Bill Nye the Science Guy Series - Uses comedy, interviews with scientists, and hands-on experiments to examine the plants and animals of the sea and their place in the food chain. (Only Food Web is streamed). Teacher's guide.

Food Chains (Ecology); Plankton; Ecology; Marine Biology; Photosynthesis

Gardening with Kids

594153 VH
PT 12 min 2003 Pyramid Film & Video

Teachers and students see how gardening is being used in education across the country, incorporating science, math, art, reading, and social studies. Teacher's guide jacket.

Teaching (Elementary); Plants; Gardening

Genetic Engineering: Making Plants Grow Plastic

595644 DV
IMJ 12 min 2004 Film Ideas Inc
Science Screen Report for Kids Series

- Our world has a growing demand for food and natural resources and a growing pile of waste. Scientists are experimenting with the rapeseed plant to provide cooking oil, fuel, and now genetic engineers are helping it provide plastic. Contains: 1 Disc and In-case teacher's guide.

Plants; Ecology; Genetic Engineering

Good Plants, Bad Plants

026477 VH
PI 9 min 1999 RBM Productions
Learning About Plants Series - All plants are good for some things, but some cause problems for people or animals. Teacher's guide.

Plants

Green and Growing

024732 VH
P 15 min 1996 Two Can Publishing Ltd

Play and Discover Series - The Monster Gang boards the magic toy box to see plants around the world.

Seeds; Plants

Growing

023707 VH
PI 15 min 1994 Central Television
Stage One Science Series - Looks at how plants grow and how they are pollinated to produce more plants.

Seeds; Plants; Growth (Plants); Pollination

Growing Things

024040 VH
PI 10 min 1994 Films for the Humanities

Take a Look 1 Series - Find out how some plants grow without seeds, springing from rhizomes, runners, and bulbs. See some unusual ways that seeds travel to new places, learn how to grow an avocado plant from a seed.

Plants; Seeds; Flowers

Growing Vegetable Soup

042652 BD
P 2000 Childcraft Education Corp
1 Book: GROWING VEGETABLE SOUP/written and illustrated by Lois Ehlert. A father and child grow vegetables and then make them into soup. Contains: 8 vegetables: tomato, carrot, onion, cucumber, pepper, celery, corn, and peas; 1 bowl; 1 spoon; 1 cloth sack; and 1 Teacher's guide.

Ehlert, Lois; Food; Vegetables; Plants

Growing Vegetable Soup

045083 BB
P 40 p. 1987 Scholastic Inc.
A father and child grow vegetables and then make them into soup. Author/Illustrator: Lois Ehlert. 1 Big Book, 30 Books, 1 Teacher's guide, 1 Audio cassette. Reading level 2.0, Interest level P-3

Food; Plants; Vegetables; Ehlert, Lois

Habitats

593583 VH
P 18 min 1998 100% Educational Video

Habitats Video Collection Series - Crawl into the den of a fox and find the characteristics that make habitats unique. Also look at the tundra, desert, grasslands, forest, and waterways to learn about the plants and animals that live there. Teacher's guide jacket.

Animals; Environment; Plants; Ecosystems

Habitats

591455 VH
I 16 min 1999 Sunburst Communications

Real World Science Series - Travel the world and discover all about the many different places where animals and plants live. Teacher's guide with activity sheets, separate answer key.

Ecosystems; Animals; Plants; Environment

Habitats and Biomes: Ecosystems of the World

595346 DV
I 27 min 2004 100% Educational Video

Habitats and Biomes: Ecosystems of the World Series - Explores the six major biomes and shows how plants and animals survive, adapt and live together in their habitats. Defines and explains key vocabulary for this study. Contains: 1 Disc and 1 teacher's guide jacket.

Environment; Ecosystems; Animals; Plants

Habitats and Biomes: Ecosystems of the World Series

For descriptions see individual titles: Habitats and Biomes: Ecosystems of the World [595346]

Plants

Habitats Video Collection Series

For descriptions see individual titles:
Habitats [593583]

Harold and His Amazing Green Plants

020573 VH
P 8 min 1985 Walt Disney
A basic botany lesson to give students a better understanding of the importance of the green plant as a food source. Film follows the life cycle of a green plant from its start as a seed to its maturity as a fruit-bearing plant. Animated.

Life Cycle; Plants

Hello Science Reader - Level I Series

For descriptions see individual titles:
I'm a Seed [045049]

How a Seed Grows

591371 BD
NP 1992 Childcraft Education Corp
Let's Read and Find Out Science Series - 1 Book: HOW A SEED GROWS/by Helene J. Jordan. Uses observations of bean seeds to demonstrate the growth of seeds to plants, soft sculptures show four stages of a bean plant. 1 Drawstring bag; 4 Soft sculpture potted plants; 1 Teacher's guide.

Seeds; Children's Literature;
Jordan, Helene J.; Plants

How Plants Get Food

022949 VH
P 17 min 2003 Missouri Botanical Gardens
Biology of Plants Series - Investigates the process of photosynthesis: the way plants get and use nutrients from the soil and air to make food for themselves. Uses close-up photography, class activities, computer animation, and sing-along music.

Plants; Photosynthesis

How Plants Grow

022948 VH
P 17 min 2003 Missouri Botanical Gardens
Biology of Plants Series - Introduces the idea that plants have a life cycle in which seeds germinate, grow, develop, produce new seeds, then die. Uses live-action and time-lapse photography, class activities, computer animation, and sing-along music.

Plants

How Plants Grow Series

For descriptions see individual titles:
Dandelion [023022]
Morning Glory [023017]
Rice [023021]
Sunflower [023019]
Tangerine [023018]

How Plants Live in Different Places

022952 VH
P 17 min 2003 Missouri Botanical Gardens
Biology of Plants Series - Contrast two extreme ecosystems: the desert and the rain forest to show that plants have different adaptations to help them survive in different areas. Teacher's guide.

Adaptation (Biology); Plants; Desert Ecology; Ecosystems; Rain Forest Ecology

How Seeds Get Here...And There

022951 VH
P 16 min 2003 Missouri Botanical Gardens
Biology of Plants Series - As a part of their study of seed dispersal, children experiment with wind-blown seeds. Teacher's guide.

Plants; Seeds

Hullabaloo Series

For descriptions see individual titles:
Everything Grows! [024270]

I'm a Seed

045049 BB
P 32 p. 1996 Scholastic Inc.
Hello Science Reader - Level I Series - Two newly planted seeds discuss the changes that take place as they grow. One knows it will be a marigold, the other becomes a pumpkin vine with 5 baby pumpkins. Author: Jean Marzollo. Illustrator: Judith Moffatt. 1 Big Book, 30 Books, 1 Teacher's Guide. Reading level 1, Interest level P-1

Flowers; Pumpkins; Seeds

Inside the Living Cell: Essential Cell Biology

595393 DV, DM
MJS 75 min CA 2004 BioMedia Associates
Inside the Living Cell Series - Closed-captioned. Excellent microscopic photography provides an overview of cell structures and processes. Includes the following 15 minute programs: (The Cell: Unit of Life; The Outer Envelope; The Cells Obtain Energy; How Cells are Controlled; and How Cells Reproduce). Contains: 1 Disc and On-disc Teacher's Guide. Guide also available on MOM with streaming.

Cells; Enzymes; Mitosis;
Photosynthesis

Inside the Living Cell Series

For descriptions see individual titles:
Inside the Living Cell: Essential Cell Biology [595393]

Introduction to Living Cells

024663 VH
MJS 23 min 1996 BioMedia Associates
Cell Biology Resource Series - Shows the cellular nature of a variety of animal, plant, and protistan life forms.

Cells; Plants; Animals; Protozoa

Introduction to Plants

594697 VH
MJS 24 min 2004 Human Relations Media
Introduces the basic biology of plants including cellular respiration, photosynthesis, reproduction, and response to stimuli. Teacher's resource book.

Photosynthesis; Plants

It's Pumpkin Time

045050 BB
P 40 p. 1994 Scholastic Inc.
A sister and brother plant a pumpkin patch for Halloween. Author: Zoe Hall. Illustrator: Shari Halpern. 1 Big Book, 30 Books, 1 Audio cassette, 1 Teacher's Guide. Reading level 1, Interest level P-2

Hall, Zoe; Seeds; Halloween;
Pumpkins

Jungles: The Green Oceans

025061 VH
IMJSA 23 min 1980 Encyclopedia Britannica
Explains how jungle ecosystems have flourished through the delicately balanced interaction of animals, plants, and the climate. Shows how plants and animals have adapted to the jungle environment and discusses the threat posed by the intrusion of man.

Ecosystems; Jungle Ecology;
Ecology; Photosynthesis

Kids in the Garden: Cacti

597554 DV
PI 5 min CA 2008 Film Ideas Inc
Kids in the Garden Series - Closed-captioned. Learn how cacti thrive in the harshest conditions by storing water and nutrients and how they keep predators away from their water supplies with sharp spines. Also shows how to raise cacti and grow a succulent garden. Contains: 1 Disc and In-case Instructional guide.

Adaptation (Biology); Desert Ecology; Plants; Gardening

Plants

Kids in the Garden: Plant Survivors

597556 DV
PI 6 min CA 2008 Film Ideas Inc
Kids in the Garden Series - Closed-captioned. Learn about plants that grow in desolate areas and must use creative ways to find food and water. Some disguise themselves, some are carnivorous, and some feed off other host plants. Includes instructions for growing a carnivorous plant. Contains: 1 Disc and In-case Instructional guide.
Plants; Adaptation (Biology)

Kids in the Garden: Seeds

597371 DV
PI 6 min CA 2008 Film Ideas Inc
Kids in the Garden Series - Closed-captioned. Explains what seeds are, how they spread, how they develop into plants, and their importance in keeping our world green. Includes a segment on growing edible sprouts. Contains: 1 Disc and In-case Instructional guide.
Gardening; Seeds; Plants

Kids in the Garden Series

For descriptions see individual titles:
Kids in the Garden: Cacti [597554]
Kids in the Garden: Plant Survivors [597556]
Kids in the Garden: Seeds [597371]
Kids in the Garden: Soil [597557]
Kids in the Garden: Veggies [597558]

Kids in the Garden: Soil

597557 DV
PI 6 min CA 2008 Film Ideas Inc
Kids in the Garden Series - Closed-captioned. Learn what soil and roots are and their importance to plants. Worms help keep the soil healthy. Includes directions to make compost or a worm farm to improve your soil. Contains: 1 Disc and In-case Instructional guide.
Worms; Gardening; Soil; Plants; Earthworms

Kids in the Garden: Veggies

597558 DV
PI 6 min CA 2008 Film Ideas Inc
Kids in the Garden Series - Closed-captioned. Learn all about vegetables, the different parts of plants that we eat. Vegetables have different growing requirements. Learn to make a vegetable garden in a box. Contains: 1 Disc and In-case Instructional guide.
Plants; Nutrition; Gardening; Vegetables

Learning About Living Things Series

For descriptions see individual titles:
Learning to Classify [590170]

Learning About Plants Series

For descriptions see individual titles:
Good Plants, Bad Plants [026477]
Plants and the Seasons [026479]

Plants Have Three Main Parts [026480]
Plants Need Things Too [026481]
Seeds, Seeds, Seeds [026482]

Learning to Classify

590170 VH
PI 15 min 2001 Stanton Films
Learning About Living Things Series - Scientists have made universal groupings of plants and animals to make scientific study easier. Groupings are based on common characteristics such as plants with seed and without or animals with or without backbones. Uses a library as an initial example. Teacher's guide.
Animals; Classification, Scientific; Plants

Let's Read and Find Out Science Series

For descriptions see individual titles:
How a Seed Grows [591371]

The Life Cycle of Plants

021369 VH
MJS 28 min 1989 Films for the Humanities
Life of Plants Series - The life cycle of the plant is covered as well as the reproduction and death of these plants.
Plants; Life Cycle; Growth (Plants)

Life Cycles

597229 VH, DV, DM
I 14 min CA 2008 Visual Learning Company
Closed-captioned. Looks at the life cycles of living organisms, specifically plants and animals, illustrating how things change as their lives progress. Contains: 1 Disc, both DVD and VHS contain Teacher's guide folder.
Plants; Animals; Life Cycle

Life of Plants Series

For descriptions see individual titles:
The Life Cycle of Plants [021369]

Life Science Series

For descriptions see individual titles:
The Living Soil [022197]
Plants at Work (Second Edition) [594163]
Seeds in Motion (Second Edition) [594161]

The Living Soil

022197 VH
IMJSA 9 min NNAR 1983 AIMS Multimedia
Life Science Series - Non-narrated. Uses micro and time-lapse cinematography to show the work of natural forces that create soil and the many organisms that use and enrich it.
Ecology; Soil

Magic School Bus Goes to Seed

024607 VH
PI 30 min CA 1995 Scholastic Inc.
Closed-captioned. Ms. Frizzle shrinks the bus to the size of a ladybug and takes the class off to look at a seed and plant.
Seeds; Plants

Morning Glory

023017 VH
PI 10 min 1990 Greatest Tales, Inc
How Plants Grow Series - Time-lapse photography gives students a close-up view of the life cycle of the morning glory. Roots, leaves, flowers, and seed pods are shown as the morning glory grows from seeds, matures, and then dies. The seeds that drop from the dry pod create new plants that emerge next year to begin the process again. Teacher's guide jacket.
Flowers; Seeds; Plants

Mystery Seeds

595435 BB
NP 16 p. 2005 Abrams & Company
What will the mystery seeds grow into? Observe the parts of plants and learn what plants need to grow. Children's drawings illustrate the data recording processing. Author: Christopher Raymond. 1 Big Book; 30 Books; 1 Teacher's guide; 1 Ten piece velcro-attached sunflower parts; and 4 Mystery Seed match-up cards (back cover on Big Book).
Seeds; Plants

National Geographic Windows on Literacy Series

For descriptions see individual titles:
This Food Grows Here [593669]

Needs of Living Things

597232 VH, DV, DM
I 14 min CA 2008 Visual Learning Company
Closed-captioned. Explores the survival needs of all living things. Covers what living things are and the need for living space, food, water, air, and proper temperature. Contains: 1 Disc, both DVD and VHS contain Teacher's guide folder.
Survival; Plants; Classification, Scientific; Animals

Photosynthesis

593180 VH
IMJ 23 min CA 2000 Schlessinger Video Productions
Plant Life in Action Series - Closed-captioned. Details the chemical process of photosynthesis. Diagrams and microscopic photography illustrate the process whereby leaves produce food and oxygen from sunlight. Includes experiment on the need for light. Teacher's guide.
Plants; Photosynthesis

Plants

Photosynthesis and Cellular Respiration

590874 VH, DM
S 15 min CA 2001 BioMedia Associates

Visualizing Cell Processes Series - Closed-captioned. A series of 2 short modules. Photosynthesis Modules: Chloroplast Structure; Light Trapping by Chlorophyll; The Light-Dependent Reactions of Photosynthesis; The Light-Independent Reactions of Photosynthesis. Respiration Modules: Glycolysis and Fermentation; Mitochondrion Structure; Aerobic Respiration; The Krebs Cycle; Electron Transport Chain; ATP Synthesis. Teacher's guide.

Photosynthesis; Cells

Photosynthesis: Transforming Light to Life

596396 DV
JS 31 min 2006 Film Ideas Inc

Basics of Cell Biology Series - Explores in detail the process of photosynthesis including research history, structural adaptations of leaves, and the chemical reactions that produce various forms of energy for the plants. Contains: 1 Disc and Teacher's guide.

Cells; Adaptation (Biology); Plants; Photosynthesis; Growth (Plants)

Plant Adaptation

595326 VH
S 29 min 1997 Educational Activities, Inc.

Explores the main areas of plant adaptation and relates them to environmental factors. Teacher's guide.

Adaptation (Biology); Plants

Plant and Animal Interdependency

593185 VH
IMJ 23 min CA 2000 Schlessinger Video Productions

Plant Life in Action Series - Closed-captioned. Learn how plants and animals interact, cooperate, and compete. All living things have basic needs and depend on other living things to meet those needs. An experiment explores how plants depend on animals for pollination. Teacher's guide.

Ecosystems; Animals; Plants

Plant Biodiversity

593184 VH
IMJ 23 min CA 2000 Schlessinger Video Productions

Plant Life in Action Series - Closed-captioned. Looks at the development of plants from their origins in the ocean through their evolution to survive in all climates on land. An experiment explores the effects of climate on plant biodiversity. Teacher's guide.

Plants; Biodiversity

Plant Cell Model

041584 KT
IMJS 1998 Hubbard Scientific
Large plastic model identifies 14 components of a plant cell from cytoplasm to chloroplast. Contains: 1 Plant cell module, Base, Teacher's guide.

Plants; Cells

Plant Life Cycle (English Version)

022744 VH
PI 30 min 1992 New York State Education Department

Science! Series - Looks at the life cycle of plants and explores the interdependency of plant and animal life. Consists of 4 modules: Flowers; Seeds; Food Chain; and Natural Community. Teacher's guide.

Ecology; Food Chains (Ecology); Plants; Seeds

Plant Life For Children Series

For descriptions see individual titles:

All About Caring for Plants [593340]

All About Plant Adaptation [593339]

All About Plant and Animal

Interdependency [593341]

All About Plant Pollination: Fruit,

Flowers, and Seeds [593338]

All About Plant Structure and Growth [593342]

Plant Life in Action Series

For descriptions see individual titles:

Photosynthesis [593180]

Plant and Animal Interdependency [593185]

Plant Biodiversity [593184]

Plant Reproduction [593183]

Plant Structure and Growth [593181]

Plants and People: A Beneficial

Relationship [593182]

Plant Parts

594287 VH, DV, DM
I 14 min CA 2004 Visual Learning Company

Closed-captioned. Explore the basic parts of a plant including stem, roots, and leaves. Shows the functions using real-world examples. VHS has separate Teacher's Guide. DVD contains: 1 Disc (Includes same material as VHS plus video index, labeled slides, glossary, subtitles, Teacher's guide, and iMovie project).

Plants

Plant Reproduction

593183 VH
IMJ 23 min CA 2000 Schlessinger Video Productions

Plant Life in Action Series - Closed-captioned. Explores many features that plants have developed in order to survive and reproduce. See the reproduction of primitive mosses and algae and fruit bearing angiosperms. Diagrams and microscopy illustrate flower pollination. An experiment demonstrates vegetative propagation. Teacher's guide.

Pollination; Plants; Reproduction

Plant Structure and Growth

593181 VH
IMJ 23 min CA 2000 Schlessinger Video Productions

Plant Life in Action Series - Closed-captioned. Diagrams and microscopic photography illustrate how plant life structures form systems that support plant growth. An experiment explores geotropism. Teacher's guide.

Growth (Plants); Plants

Plant Through the Seasons - Apple Tree

022342 VH
PIMJ 11 min 1966 Encyclopedia Britannica

Shows the yearly life cycle of an apple tree. Promotes an understanding of plant functions.

Seasons; Fruit; Trees; Plants

Plant World: Middle School Life Science Series

For descriptions see individual titles:

World of Plants [591815]

World of Plants [041546]

Planting a Rainbow

595804 VH, DV
NP 7 min CA 2005 Weston Woods

Closed-captioned. Animated. A mother and child plant a rainbow of colors in their flower garden. Explores the cyclical excitement of planning, planting, and picking flowers in the garden. Author: Lois Ehlert, narrated by P.J. Verhoest. In-case Teacher's guide.

Children's Literature; Color; Flowers; Ehlert, Lois

Plants: A First Look

026870 VH
P 17 min 1999 Rainbow Educational Video

A First Look Series - Learn about different kinds of plants, how they need light, air and water, how to identify the parts...including leaves, stems, roots, and seeds, and how plants are useful to people. Study guide.

Plants

Plants

Plants and Life on Earth

022953 VH

P 15 min 2003 Missouri Botanical Gardens

Biology of Plants Series - Looks at the role of plants in the ecosystem.

Examines the way in which plants help make food, produce oxygen, provide animal habitats, and preserve soil.

Ecology; Environment; Plants

Plants and People: A Beneficial Relationship

593182 VH

IMJ 23 min CA 2000 Schlessinger Video Productions

Plant Life in Action Series - Closed-captioned. Learn how plants provide us with oxygen, food, shelter, clothing and medicine that we need to survive.

Examine the relationships between important plants and cultures that depend on them by looking at the history of the potato and the rain forest. Includes an experiment on the effects of pollution on plant life.

Teacher's guide.

Plants

Plants and the Seasons

026479 VH

PI 9 min 1999 RBM Productions

Learning About Plants Series - Begins with a poetic look at all four seasons and continues with a closer look at plant life in each "individual" season.

Teacher's guide.

Plants

Plants at Work (Second Edition)

594163 VH

PI 10 min 2002 Pyramid Film & Video

Life Science Series - Every living thing depends directly or indirectly on plants. Explore their diversity, habitats, and adaptations. Teacher's guide jacket.

Plants

Plants - CAT Kit

048003 CK

P 1995

A collection of 10 different programs that offer basic information on plants and growing things. Includes: All About Seeds; Growing Things; Harold and His Amazing Green Plants (with guide); How Plants Get Food; How Plants Grow (older version contains same information as newer one); How Plants Live in Different Places; How Seeds Get Here...and There; Plant Life Cycle (English Version); Plants and Life on Earth; What is Pollination? A Sticky Question.

Photosynthesis; Seeds; Plants; Ecosystems; Pollination

Plants/Forests

024470 VH

I 52 min 1994 Disney Educational Productions

Bill Nye the Science Guy Series -

Uses comedy, interviews with scientists, and hands-on experiments to look at the roles that plants and trees have on the cycle of life.

Teacher's guide.

Forests; Plants

Plants Have Three Main Parts

026480 VH

PI 9 min 1999 RBM Productions

Learning About Plants Series - Shows the function of the stems and leaves of plants. Teacher's guide.

Plants

Plants Module

596750 MB

PIM 2008 Millmark Education

ConceptLinks Series - Differentiated, leveled non-fiction books explore the science of plants at four reading levels (grades 2, 3, 4, and 5). Teacher's guide and CDs provide lesson plans, supplemental images, and oral readings of the books. Contains 24 Student Books, 6 copies of each title

(Plants Reproduction in Flowering Plants; Plants Growing and Using Energy; Plants Structure and Function; and Plants Important Producers); 1 Teacher's Guide; 1 Concept Connector (People and Plants on one side and Plants are Producers on reverse); 1 ConceptLinks Reading Level Chart; 3 Discs (Plants Image Bank - CD ROM, Plants Resource - CD-ROM, and Plants Audio CD); in gray Storage Tote Bag.

Plants; Reproduction; Growth (Plants)

Plants; Reproduction; Growth (Plants)

Plants; Reproduction; Growth (Plants)

Plants: Module 4

594858 DV

S 60 min 1997 GPN Educational Media

Cycles of Life: Exploring Biology Series - Contains six segments: Plant Diversity - The Move to Land; Plant Structure - Roots; Stems - Reaching for the Sky; Leaves - Powering Plants; Pollination; and The Legacy of Seeds. Contains: 1 Disc and teacher's guide.

Plants

Plants Need Things Too

026481 VH

PI 9 min 1999 RBM Productions

Learning About Plants Series - Just as people need certain things to survive, so do plants. Covers soil, water, air, and sunlight. Teacher's guide.

Plants

Plants of the Rain Forest

025324 VH

I 25 min CA 1996 ERI Communications

Rain Forest for Children Series -

Closed-captioned. Introduces some of the many flowers, vines, fungi, and trees found in the layers of the tropical rain forest. It also explores the ecology of the forest and the human uses of the forest for food and medicine.

Rain Forests; Ecology; Plants; Rain Forest Ecology

Play and Discover Series

For descriptions see individual titles: Green and Growing [024732]

Pollination

021825 VH

IMJS 23 min 1983 National Geographic Society

Identifies common pollinators such as bees, birds, and various insects, as well as certain mammals. Shows how these creatures pollinate flowers and describes other means of pollination such as by wind and water. Animated sequences illustrate the reproductive parts of a flower and explain cross-pollination and self-pollination.

Pollination

Pumpkin Circle

025282 VH, DV

PI 21 min 1997 Informed Democracy

Closed-captioned (DVD only).

Designed to connect students with the web of life. A backyard pumpkin patch is used because pumpkins are linked with the interests of children, are easy to grow, and lend themselves to a wide range of educational subjects. Narrated in verse by Danny Glover. DVD contains: 1 Disc and both contain in-case teacher's guide.

Seeds; Gardening; Pumpkins; Nature Study; Plants

Pumpkin, Pumpkin

040237 BB

P 24 p. 1986 Scholastic Inc.

Pencil illustrations communicate Jamie's pride as a very young gardener. He plants a pumpkin seed, then grows, harvests, and makes a jack-o-lantern from which he saves seeds for next year. The garden creatures appear on every page and we catch sight of grandpa now and then. Author: Jeanne Titherington. 1 Big Book, 30 Books, 1 Audio cassette (c.3 had no cassette), 1 Teacher's Guide. Reading level 2.4, Interest level P-2

Seasons; Halloween; Titherington, Jeanne; Plants; Pumpkins; Life Cycle - Fiction

Rain Forest for Children Series

For descriptions see individual titles: Plants of the Rain Forest [025324]

Plants

Reading Rainbow Series

For descriptions see individual titles:
Two Old Potatoes and Me [594824]

Real World Science I Series

For descriptions see individual titles:
Seeds and Plants [591461]

Real World Science Series

For descriptions see individual titles:
Habitats [591455]

The Reason for a Flower

045012 BB
P 48 p. 1983 Scholastic Inc.
Explains flower parts, pollination, and growth by means of a rhyming text.
Author: Ruth Heller. 1 Big Book, 30 Books, 1 Audio Cassette (The Reason for a Flower), 1 Teacher's Guide.
Reading level 3.4, Interest level K-3

Insects; Children's Literature;
Plants; Flowers

Rice

023021 VH
PI 10 min 1990 Greatest Tales, Inc
How Plants Grow Series - Time-lapse photography gives students a close-up view of the rice plant. Explains how farmers plant, grow, harvest, and process rice. Teacher's guide jacket.

Rice; Seeds; Plants

Rock On: 5th Grade Science

595381 DV
IM 86 min 2005 Library Video Company
Contains 7 music videos specifically designed to teach fifth grade Science concepts using this brain-research driven tool. Covers the solar system, weather, water cycle, matter, photosynthesis, anatomy, and life science. Contains: 1 Disc and lyric sheet.

Photosynthesis; Matter; Weather;
Water Cycle; Anatomy, Human;
Solar System

Science Key Concepts Series: Biology

For descriptions see individual titles:
Cellular Energy and Metabolism [026115]

Sensory Responses and Tropisms [591549]

Science Screen Report for Kids Series

For descriptions see individual titles:
Genetic Engineering: Making Plants Grow Plastic [595644]

Science! Series

For descriptions see individual titles:
Plant Life Cycle (English Version) [022744]

Scientific American Frontiers Series

For descriptions see individual titles:
Symbols in Nature and Antiquity [590600]
Test Tube Truffles [590468]

Secret World of Gardens Series

For descriptions see individual titles:
Apleachia [597753]
Vines: A World of Entanglement [597768]
Whether the Weather [597770]

Seed Dispersal

025060 VH
PIMJSA 11 min 1971 Encyclopedia Britannica
Describes various natural methods by which seeds of uncultivated plants are dispersed. Uses time-lapse photography to show the varied propagation techniques of plants.

Seeds; Plants

Seeds and Plants

591461 VH
I 13 min 1999 Sunburst Communications
Real World Science I Series - Explore the world of plants, trees, flowers, fruits, and more. Learn how plants work, what features they have in common, and about their life cycle. Teacher's guide with activity sheets.

Plants; Seeds

Seeds Get Around

045068 BB
P 1993 Newbridge Educational Publishing
Early Science Series - Seeds can be spread by people, wind, water, and animals. Author: Nancy White. Set includes small books at three different reading levels for differentiated learning. Contains: 1 Big Book; 42 Books (30 small books on grade level - GRL H, 6 below level - GRL F, 6 above level - GRL J); 1 Smart Word Vocabulary card; 1 Audio cassette; 1 Teacher's guide; 8 Photo cards.

Seeds; White, Nancy

Seeds in Motion (Second Edition)

594161 VH
PI 14 min 2002 Pyramid Film & Video
Life Science Series - Investigate the characteristics and diversity of the ingenious solutions flowering plants and fruit plants have devised for propagation. Teacher's guide jacket.

Plants; Seeds

Seeds, Seeds, Seeds

597735 DV
NP 15 min 2005 Perma-Bound Iconographic. Buddy Bear learns about different kinds of seeds and their uses when he receives a package from his grandfather. Written, illustrated, and narrated by the author: Nancy Elizabeth Wallace. Contains: 1 Disc and Teacher's guide jacket.

Wallace, Nancy Elizabeth; Bears - Fiction; Plants; Seeds

Seeds, Seeds, Seeds

026482 VH
PI 8 min 1999 RBM Productions
Learning About Plants Series - Seeds come in all shapes and sizes and are dispersed in different ways. Teacher's guide.

Seeds; Plants

Sensory Responses and Tropisms

591549 VH
S 15 min 2001 Benchmark Media
Science Key Concepts Series: Biology - Explores three concepts: The eye, the nervous system, and plant tropisms. Illustrates them with computer animation and experiments. Teacher's guide.

Eye; Plants; Nervous System

Stage One Science Series

For descriptions see individual titles:
Growing [023707]

Sunflower

023019 VH
PI 10 min 1990 Greatest Tales, Inc
How Plants Grow Series - Time-lapse photography gives students a close-up view of the seed as it grows. It starts growing almost as soon as it is planted. The petals of the flower surround a large center filled with seeds. The seeds ripen with help from the sun and insects. Explains how sunflowers are farmed. Discusses pollination and photosynthesis. Teacher's guide jacket.

Flowers; Plants; Seeds

The Surprise Garden

597449 BB
NP 1998 Scholastic Inc.
Children plant unidentified seeds in their garden. They learn what plants need in order to grow and enjoy surprises as their seeds grow into a variety of vegetables. Author: Zoe Hall. Contains: 1 Big Book, 30 Books, 1 Audio cassette, 1 Teacher's guide.

Vegetables; Hall, Zoe; Gardening;
Growth (Plants); Plants

Symbols in Nature and Antiquity

MJS 8 min CA 1992
Scientific American Frontiers Series - Closed-captioned. A green museum in Israel provides a natural setting for legendary plants. Teacher's guide.

Plants

Take a Look 1 Series

For descriptions see individual titles:
Growing Things [024040]

Plants

Tangerine

023018 VH

PI 10 min 1990 Greatest Tales, Inc
How Plants Grow Series - Time-lapse photography gives students a close-up colorful view of the stages in the growth of a tangerine tree. Starting from a tiny white flower pollinated by bees and insects, the tangerine grows into a delicious fruit. Shows how they are harvested and sent to market. Teacher's guide jacket.

Plants; Fruit; Trees

Test Tube Truffles

IJS 15 min CA 1990

Scientific American Frontiers Series - Closed-captioned. Scientists are looking for ways to grow black truffles. Teacher's guide.

Agriculture; Biotechnology; Farmers

This Food Grows Here

593669 BB

NP 2004 National Geographic Society

National Geographic Windows on Literacy Series - Shows the different types of plants that foods grow on. Uses predictable, repetitive sentences. Author: Zoe Sharp. 1 Big Book, 30 Books, 1 Teacher's guide. Reading level 1.

Growth (Plants); Plants; Food

The Tiny Seed

045026 BB

P 32 p. 1987 Scholastic Inc.

The story of the life cycle of a flower, from a tiny seed to maturity. Author: Eric Carle. 1 Big Book, 30 Books, 1 Teacher's Guide. Reading level 2.7, Interest level K-3

Seeds; Carle, Eric; Plants

Two Old Potatoes and Me

594824 VH

P 30 min CA 2004 GPN Educational Media

Reading Rainbow Series - Closed-captioned. A young girl finds two old potatoes at her father's house. They plant and tend them to see if they will have new potatoes in September. Host LeVar Burton enhances our enjoyment of the story by learning about compost, recycled art, and corn containers. Teacher's guide.

Children's Literature; Coy, John; Recycling; Plants

Vines: A World of Entanglement

597768 DV

IMJS 23 min 2004 Bullfrog Films

Secret World of Gardens Series - Uses macro-lenses and time-lapse photography. Vines grow very fast. Learn how their rapid growth can be both good and bad in the garden. Contains: 1 Disc.

Plants; Gardening

Visualizing Cell Processes

Series

For descriptions see individual titles:

Photosynthesis and Cellular Respiration [590874]

Weslandia

593169 VH

P 10 min 2001 Spoken Arts Productions

Wesley plants a garden but it grows into a new civilization as the plants bear strange fruit providing food, clothing, shelter, and even recreation.

Fleischman, Paul; Children's Literature; Plants - Fiction

What Are Plants?

594283 VH, DV, DM

I 14 min CA 2004 Visual Learning Company

Closed-captioned. Explores the diversity of plants and introduces the important characteristics plants have in common: photosynthesis, cell walls, and reproducing by seeds and spores. VHS has separate Teacher's Guide. DVD Contains: 1 Disc (Includes same material as VHS plus video index, labeled slides, glossary, subtitles, Teacher's guide, and iMovie project).

Photosynthesis; Plants

What Do Flowers Do?: A First Film

023283 VH

PIMJ 10 min 1969 Norman Bean Films

First Film Series - Explains how the union of pollen and egg leads to the formation of a seed in the flower. Time-lapse photography shows the development from seed to new plant.

Flowers; Plants

What Is Pollination? A Sticky Question

022950 VH

P 16 min 2003 Missouri Botanical Gardens

Observes insects pollinating plants, then looks at a classroom where children are trying their hands at transferring pollen between plants. Uses slow-motion photography, class activities, computer animation, and sing-along music. Teacher's guide.

Pollination; Plants; Insects

What Plants Need for Growth

023440 VH

PIJSA 11 min 1982 Encyclopedia Britannica

Uses time-lapse photography, laboratory investigation, and the observation of plants in controlled environments to demonstrate the dependence of growing things on water, air, light, food, and warmth. Shows how plants fail under conditions that deprive them of these essential elements. Also illustrates the ways in which food supply is enhanced by controlling water and plant nutrition.

Growth (Plants); Plants

Whether the Weather

597770 DV

IMJS 23 min 2004 Bullfrog Films

Secret World of Gardens Series - Uses macro-lenses and time-lapse photography. Learn how plants survive the stress of changes in the weather and the coping strategies they have evolved. Contains: 1 Disc.

Gardening; Plants; Weather

Wonder Why Series

For descriptions see individual titles:

Air [024489]

Wonders of Growing Plants (Third Edition)

023285 VH

PI 14 min 1992 Churchill Films

In a school setting, through experiments, a teacher and students find out about different ways in which plants begin to grow from seeds, stems, leaves, and roots. Time lapse photography provides a look at the process.

Growth (Plants); Plants

World of Nature Series

For descriptions see individual titles:

Australia's Plants: Surviving Down Under [024211]

World of Plants

591815 DV

IMJ 80 min CA 2000 Visual Learning Company

Plant World: Middle School Life Science Series - Closed-captioned. Covers the general characteristics of plants, photosynthesis, and various types of plants. Contains: 4 VHS (World of Plants - 20:00; Photosynthesis and Plant Responses - 20:00; Plant Structure and Function - 20:00; Plant Reproduction - 20:00). Teacher's guides with student masters including labs and Internet activities. Note: title on cover "The Plant Series". Contains: 1 Disc.

Plants

The World of Plants

591477 VH

MJS 15 min CA 2002 United Learning

Biology: The Science of Life Series - Closed-captioned. Examines the characteristics of plants and principles of photosynthesis. Life cycles of both spore producing and seed bearing plants are presented in detail. Teacher's guide, Blackline masters.

Plants; Adaptation (Biology); Photosynthesis

Plants

World of Plants

041546 KT

IMJ CA 2000 Visual Learning
Company

Plant World: Middle School Life

Science Series - Closed-captioned.

Covers the general characteristics of
plants, photosynthesis, and various
types of plants. Contains: 4 VHS

(World of Plants - 20:00;

Photosynthesis and Plant Responses -

20:00; Plant Structure and Function -

20:00; Plant Reproduction - 20:00).

Teacher's guides with student masters
including labs and internet activities.

Plants