

## Solar System

### ABDO iBooks Interactive Series

For descriptions see individual titles:  
Groovy Gravity [598022]

### Adapting to Changes in Nature

025334 VH  
PI 14 min 1996 Altschul Productions  
*Concepts in Nature Series* - Explains how animals cope with changes in nature and the role humans play in creating change. Examples of deer, owls, rabbits, and bears help viewers understand why some animals seem to adapt to change better than others.

Animal Behavior; Animals; Seasons

### All About Climate and Seasons

593137 VH  
P 23 min CA 2000 Library Video Company  
*Weather for Children Series* - Closed-captioned. Explains why seasons change and why climates vary around the world. Demonstrates concepts with experiments. Teacher's guide.

Climate; Seasons; Weather

### All About Forces and Gravity

026890 VH  
PI 23 min CA 2000 Schlessinger Video Productions  
*Physical Science for Children Series* - Closed-captioned. Investigate how forces impact and shape everything around us. Real-life demonstrations, graphics, and activities illustrate gravity, friction, pressure, and magnetism. Teacher's guide.

Gravity; Force and Energy

### All About the Earth

026485 VH  
PI 23 min CA 1999 Schlessinger Video Productions  
*Space Science for Children Series* - Closed-captioned. Students visit NASA Space Camp to learn about the Earth. Covers what Earth is made of, how it moves, and why there is life here. Includes directions to make a biosphere, Internet resources, and a teacher's guide.

Earth; Space; Planets

### All About the Moon

026483 VH, DV  
PI 23 min CA 1999 Library Video Company  
*Space Science for Children Series* - Closed-captioned. Students join NASA Space Camp to learn about the moon. Covers why our view of the moon changes each night and what the moon is like up close. Includes a hands-on activity, Internet resources. Both VHS and DVD contain In-case Teacher's guide. DVD contains: 1 Disc with Discussion Questions and Activities, Investigation Data Sheet, and Chapter Select.

Space; Planets; Moon

### All About the Planets

026486 VH  
PI 23 min CA 1999 Schlessinger Video Productions  
*Space Science for Children Series* - Closed-captioned. Students visit NASA Space Camp to learn about the planets. Covers what is a planet, how they move, and is there life. Includes an activity on Saturn's rings, Internet resources, and a teacher's guide.

Solar System; Space; Planets

### All About the Sun

026484 VH  
PI 23 min CA 1999 Schlessinger Video Productions  
*Space Science for Children Series* - Closed-captioned. Students visit NASA Space Camp to learn about the sun. Covers the size and composition of the sun and how it affects us. Includes an activity on making a solar oven and Internet resources. Teacher's guide.

Space; Sun; Stars

### Amazing Animals Series

For descriptions see individual titles:  
An Animal Year [025923]

### America's Special Days Series

For descriptions see individual titles:  
Daylight Savings Time [590650]

### An Animal Year

025923 VH  
PI 30 min CA 1997 Dorling Kindersley Education  
*Amazing Animals Series* - Closed-captioned. Henry the Lizard learns how animals cope with the changing seasons.

Seasons; Animals

### Animals in Autumn

020988 VH  
PI 11 min 1957 Encyclopedia Britannica  
Shows deer, fox, weasel, birds, and insects engaged in autumn activities: searching for food, building homes, and preparing to migrate or hibernate during winter.

Autumn; Seasons; Animal Behavior

### Animals in Spring

020987 VH  
PI 11 min 1955 Encyclopedia Britannica  
Pictures the hatching of eggs, the emergence of a luna moth from its cocoon, various animals feeding, and the struggle of baby animals to grow to maturity amid natural enemies.

Animal Behavior; Seasons; Spring

### Animated Hero Classics Series

For descriptions see individual titles:  
Galileo [026132]

### Assignment Discovery Series

For descriptions see individual titles:  
How Big Is My Universe [026723]

### Asteroids, Comets, and Pluto: Small Pieces

591692 VH  
IMJ 15 min CA 2001 United Learning  
*A Spin Around the Solar System Series* - Closed-captioned. Covers some of the billions of smaller objects in the solar system such as: asteroids, accretion, the asteroid belt, meteors, Pluto, comets, Kuiper Belt objects, and the Oort Cloud. Teacher's guide with blackline masters.

Solar System; Comets; Planets

### Astrobiology: Does Extraterrestrial Life Exist?

595419 DV, DM  
S 25 min CA 2005 Disney Educational Productions  
*The Eyes of Nye Series* - Closed-captioned. Bill Nye hears from leading experts and evaluates controversial issues surrounding the possibility of extraterrestrial life. Contains: 1 Disc.

Space Exploration; Astronomy; Life on Other Planets

### Astronomy

592956 KT, DV, DM  
IMJ 80 min 2003 Visual Learning Company  
*Earth Science - Astronomy Series* - Closed-captioned. A four part unit of study of astronomy. Designed for middle school students. Each lesson includes video footage, a 30-page teacher's guide, and student activity and assessment masters. Kit contains 4 VHS (Earth, Sun, and Moon; The Inner Planets; the Outer Planets; and The Amazing Universe - 20:00 each). The DVD contains same as kit (teacher and student guides are on the DVD) plus optional English subtitles, video index, animations, 70 labeled slides, glossary, iMovie project allowing students to create movies.

Planets; Solar System; Universe

### Astronomy 101: A Beginners Guide to the Night Sky

024097 VH  
PIMJ 25 min 1994 Mazon Productions  
Join Michelle and her mother as they explore the night sky using binoculars and telescopes in their backyard.

Astronomy; Stars; Telescopes

### The Atmosphere

591520 VH, OF  
IMJS 30 min CA 2002 Weather Channel  
*Weather Classroom Series* - Closed-captioned. This episode explores such atmospheric phenomena as trade winds, warm and cold fronts, jet streams, and the seasons.

Earth Science; Atmosphere; Seasons; Weather

## Solar System

### Autumn

024916 VH  
PI 15 min 1983 National Geographic Society  
*Four Seasons Series* - Looks at the many activities that take place in the autumn. Includes plants, animals, and birds.

Seasons; Autumn

### Autumn: Nature's Sights and Sounds

022576 VH  
PI 14 min 1983 Maslowski Wildlife Productions  
*Nature's Sights and Sounds Series* - Looks at the changes that take place in autumn, as the land and its inhabitants prepare for the coming winter.

Birds; Animals; Autumn; Seasons

### Balance

592969 DV  
I 26 min CA 2003 Disney Educational Productions  
*Bill Nye the Science Guy Series* - Closed-captioned. Bill Nye's the center of attention when he talks about the center of gravity and its effects on balance. Includes interactive quizzes, glossary, chapter search with National Science standards and bonus footage. Contains: 1 Disc.

Force and Energy; Gravity; Motion

### Bears

023565 VH  
P 8 min 1993 Troll Associates  
*First Time Science Series* - In the summer, a bear stays busy looking for food, so in the winter it can remain safe and warm in a cozy den.

Bears; Seasons

### The Big Bang

593831 VH  
MJS 24 min 2003 Benchmark Media  
*Earth Science Series* - Explores the origin of our universe, 15 billion years ago, due to the cataclysmic explosion of a dense sphere of hydrogen. Includes the effect on our universe today. Teacher's guide.

Astronomy; Space; Universe

### Bill Nye the Science Guy Series

*For descriptions see individual titles:*  
Balance [592969]  
Comets and Meteors [590896]  
Earth's Seasons/Climates [024456]  
Momentum/Gravity [024467]  
The Moon [592981]  
The Moon/Outer Space [024455]  
The Planets [592983]  
The Planets [591947]  
The Sun [591946]

### Black Holes, Pulsars, and Other Odd Bodies

596027 DV  
S 23 min CA 2006 Films Media Group  
*Cambridge Core Science: Space Science Series* - Closed-captioned. Introduces the odd objects in space: black holes, neutron stars, quasars, supernovas, Magnetars, the Local Bubble, and CHIPS (Cosmic Hot Interstellar Plasma Spectrometer). Contains: 1 Disc and Teacher's guide.

Astronomy; Space; Universe; Black Holes (Astronomy)

### Bright Sparks Series

*For descriptions see individual titles:*  
Solar System [021932]

### A Busy Year

045018 BB  
P 32 p. 1992 Scholastic Inc.  
Twin mice help care for their friend Woody, a tree, throughout a whole year of seasons. Author: Leo Lionni. 1 Big Book, 31 Books, 1 Teacher's Guide, 1 Audio cassette (A Busy Year).

Trees; Mice - Fiction; Seasons

### Cambridge Core Science: Space Science Series

*For descriptions see individual titles:*  
Black Holes, Pulsars, and Other Odd Bodies [596027]  
The Invisible Universe [596026]  
The Planets [596028]  
The Sun and Stars [596029]

### Caps, Hats, Socks, and Mittens

040258 BB  
P 32 p. 1989 Scholastic Inc.  
A book about the uniqueness of the four seasons. Author: Louise Borden. Illustrator: Lillian Hoban. 1 Big Book, 29 Books, 1 Audio cassette, 1 Teacher's Guide. Reading level 1, Interest level K-3

Children's Literature; Winter; Seasons

### Changing Seasons

023704 VH  
PI 15 min 1994 Central Television  
*Stage One Science Series* - Investigates daily and seasonal changes. Looks at how patterns in weather are related to seasonal change.

Seasons

### Changing Seasons

023508 VH  
P 8 min 1993 Troll Associates  
*First Time Science Series* - Each season brings something special...green buds, pretty flowers, colorful leaves, and a white blanket of snow.

Seasons

### Chicken Soup with Rice

040172 BB  
P 32 p. 1987 Scholastic Inc.  
Each month of the year presents a new way to eat chicken soup. Author: Maurice Sendak. 1 Big Book, 30 Books, Audio cassette, 1 Teacher's Guide with blackline masters. Reading level 3.2, Interest level K-3

Seasons; Sendak, Maurice

### Children in Winter

023986 VH  
P 11 min 1986 Encyclopedia Britannica  
Two children enjoy winter scenes and activities, playing in the snow with their dog, investigating nature in their back yard and around the house, checking the temperature, and observing the waning day with its accompanying play of shadows.

Winter; Seasons

### Climate and Seasons

026020 VH  
IMJ 23 min CA 1998 Schlessinger Video Productions  
*Weather Fundamentals Series* - Closed-captioned. Looks at the wide range of climates around the world and examines how factors like sun, wind, temperature, precipitation, and position of the Earth determines the weather. Includes effects of El Nino. Teacher's guide.

Seasons; Weather; Climate

### Climate Regions & Weathers of the World Series

*For descriptions see individual titles:*  
The Seasons and the Monsoon [596837]  
Storms, Cyclones, and Hurricanes [596836]

### A Closer Look at Earth

593914 VH, DV, DM  
P 21 min 2004 100% Educational Video  
*A Closer Look at Space Series* - Take a close up look at what makes the third planet from the sun so special. Why is there life on Earth? What is our planet made of? Why is there day and night, a year, and seasons? These questions and more are answered in this fun look at planet Earth. NASA footage and lively animation will pique students' curiosity. Teacher's guide jacket (VHS). DVD Contains: 1 Disc with chapter divisions and teacher's guide on disc.

Planets; Earth

### A Closer Look at Space Series

*For descriptions see individual titles:*  
A Closer Look at Earth [593914]  
A Closer Look at the Moon [593591]  
A Closer Look at the Planets [594472]  
A Closer Look at the Sun and Stars [594473]

## Solar System

### A Closer Look at the Moon

593591 VH  
P 20 min CA 2004 100%  
Educational Video  
*A Closer Look at Space Series* - Closed-captioned. With the help of scientists, astronauts, and satellites, we have gained a great deal of knowledge about the moon. Discover what the surface of the moon looks like, why it changes shape each month, and what it is like to walk on the moon. Teacher's guide jacket.  
Moon; Space

### A Closer Look at the Planets

594472 DV  
PI 26 min 2007 100% Educational  
Video  
*A Closer Look at Space Series* - The Solar System is comprised of planets, moons, and other objects in the sky, divided into outer planets and inner planets. Each have distinguishing characteristics. Science and technology are helping us discover more every day. Updated with information about Pluto and the other dwarf planets. Contains: 1 Disc and Teacher's guide jacket.  
Planets; Solar System; Space

### A Closer Look at the Sun and Stars

594473 VH, DV  
PI 20 min 2004 100% Educational  
Video  
*A Closer Look at Space Series* - Separate fact from fiction as we discover why stars light the sky. Learn about constellations and why stars appear to move. Look at our sun to discuss energy, sunspots, seasons, greenhouse effect, and photosynthesis. DVD Contains: 1 Disc and Teacher's guide jacket.  
Stars; Sun; Space

### Comets and Meteors

I 26 min CA 2000 Disney  
Educational Productions  
*Bill Nye the Science Guy Series* - Closed-captioned. Comets and meteors carry important information about the history of our universe. Their impact with Earth may have caused the extinction of dinosaurs, created the oceans, or even brought life to Earth. Study guide jacket.  
Comets; Meteors; Astronomy

### ConceptLinks Series

*For descriptions see individual titles:*  
Our Solar System Module [596749]  
Stars and Galaxies Module [597169]

### Concepts in Nature Series

*For descriptions see individual titles:*  
Adapting to Changes in Nature  
[025334]

### Core Astronomy

597814 DV  
JSA 38 min CA 2007 Ambrose  
Video Publishing Inc.  
Closed-captioned. Contains an introduction to the study of astronomy. Includes key figures in the field with major theories and discoveries presented in chronological order. Program Segments: 13-1640 - Ptolemy to Galileo; 1688-1796 - Newton to Nebular Theory of the Solar System; 1846 - Planet Neptune is Discovered; 1905 - Einstein's Theories of Special and General Relativity; 1929 - Expanding Universe; 1963 - Quasars; 1967 - White Dwarfs, Neutron Stars, Pulsars, and Black Holes; 1990 - Great Attractor and Dark Matter; and 2004 - Organic Material Found on Extrasolar Planet. Contains: 1 Disc and Teacher's guide folder.  
Astronomy

### Cosmic Odyssey Series

*For descriptions see individual titles:*  
The Enigma of Venus [593492]  
Extreme Astronomy [593498]  
Stellar Evolution: Lives of the Stars [593494]  
The Story of Comets: Children of Stardust [593493]

### Cross Section Sun Model

594730 KT  
PI 2005 Educational Resources  
Soft foam model of the Sun separates to reveal the Sun's layers. Contains: 1 Soft foam cross-cut model of the sun (2 pieces), and 1 Activity guide.  
Sun

### Data Analysis and Measurement: Having a Solar Blast!

592172 VH, SA  
IMJS 30 min 2002 NASA  
*NASA Connect Series* - NASA engineers and researchers use data analysis and measurement to predict solar storms, anticipate how they will affect the Earth, and improve our understanding of the Sun-Earth system. With teacher's guide.  
Statistics; Sun; Measurement

### Daylight Savings Time

590650 VH  
P 15 min CA 2001 GPN  
Educational Media  
*America's Special Days Series* - Closed-captioned. Children learn why and when we "change the clocks". Time zones are also discussed. Teacher's guide.  
Time; Clocks and Watches; Seasons

### Descent to Titan

596229 DV  
S 28 min 2006 Landmark Media  
*Space Exploration Series* - Describes the Huygens probe's journey to Titan, Saturn's moon, including the voyage, descent, and landing in 2005. Contains: 1 Disc.  
Space Exploration; Astronomy; Planets

### Destination Cosmos 20 Series

*For descriptions see individual titles:*  
Journey to Jupiter [591735]  
Magical Mercury Tour [591734]

### Discovery

590165 DV  
S 120 min 2000 Films for the  
Humanities  
*The Universe - A Guided Tour Series* - Captioned. Contains 12 ten-minute programs covering the past, present, and future of astronomy and space exploration. Includes technological innovations such as the Hubble Space Telescope, robot probes, space shuttle and the Mir space station. Based on the video series "The Complete Cosmos". Contains: 1 Disc.  
Space Exploration; Space; Astronomy

### Do Other Planets Have Weather?

596977 DV  
PIM 28 min 2008 Landmark Media  
*Head's Up Series* - Learn about the extreme weather found on other planets in our solar system, including huge storms, high winds, and lightning bolts bigger than the United States. Contains: 1 Disc.  
Weather; Solar System; Astronomy; Planets

### Do UFOs Really Exist?

596978 DV  
PIM 28 min 2007 Landmark Media  
*Head's Up Series* - Travel to Roswell, New Mexico and visit the place where an alien craft might have crashed. Did the military find alien bodies or have top secret projects going on? How do we identify hoaxes? Contains: 1 Disc.  
Life on Other Planets; Astronomy

### Early Science Series

*For descriptions see individual titles:*  
The Four Seasons [597434]  
Squirrels All Year Long [045064]

### Earth

593756 VH  
PI 13 min 2004 Film Ideas Inc  
*What's Up in Space Series* - Discusses Earth's place in the Solar System and also explains the basics of Earth Science, including atmosphere, weather, rock cycle, erosion, and water cycle. Teacher's guide.  
Solar System; Earth Science; Earth

## Solar System

### Earth in the Universe Series

*For descriptions see individual titles:*

The Solar System: Outer Gas Planets [596414]

The Solar System: Sun and Inner Rock Planets [596415]

Stars, Light Years, and the Milky Way [596413]

### Earth: Its Place in the Universe

025157 VH

I 15 min 1994 Films for the Humanities

*Look Up Series* - Animated characters Robot and Imagination act as hosts.

Learn about the Earth, the solar system, the Milky Way, and the universe. Teacher's guide.

Astronomy; Space; Stars; Earth; Solar System

### Earth Kit

041310 KT

IMJ 1996 Dorling Kindersley Education

*Eyewitness Series* - Projects contained in this kit let students examine our planet Earth, its position in the solar system and universe, and the implications of human actions that continually transform the Earth's surface. Contents: 4 copies each of VOLCANO AND EARTHQUAKE/by Susanna Van Rose - Photos and text explain the causes and effects of volcanoes and earthquakes and examine specific occurrences throughout history; THE EARTH AND HOW IT WORKS/by Steve Parker - Photos and text explore Earth's beginnings with fossils, landscape, space exploration, and more; WEATHER/by Brian Cosgrove - Photographs and text depict different aspects of weather and how it is forecast; SPACE/by Sue Becklake - Photographs and text explore the wonders of space, space exploration, planets, satellites, and maps; ROCKS AND MINERALS/by Dr. R.F. Symes - Photographs and text examine the creation, importance, erosion, mining, and uses of rocks and minerals; 1 Wall Chart; 1 Project Planner with 16 cards; 1 Help cards packet with 8 Help Cards; 1 Teacher's Book.

Earth; Planets; Climate; Weather; Energy

### Earth Science

041344 KT

PI 1996

Explores the inner workings of our planet Earth. Includes 6 books: ROCKS TELL STORIES/by Sidney Horenstein - Discusses the nature, significance, and uses of rocks, how they can change over time, and what they can reveal about the Earth and its history; WHAT HAPPENS WHEN VOLCANOES ERUPT/by Daphne Butler - Explores the beginning of a volcano and the journey it takes throughout its life. See the impact on new farmland, the animals, and people; DISASTERS: VOLCANOES/by

Merrilee Hooker - Discusses types of volcanoes, how they are formed, and famous eruptions such as Mt. St. Helens, and disasters; WHAT IF...THE EARTH - Take a look at Earth from its beginnings to what it is like today and visualize what it would be like if the things we take for granted were no longer true. Asks such questions as What if the Earth stood still, What if there were no soil, and more thought provoking "what ifs"; VISUAL FACTFINDER PLANET EARTH/by Neil Curtis - Text and illustrations, diagrams, tables, and charts present information on such topics as, weather and climate, natural resources, environmental problems, and surface features of Earth; and FASCINATING FACTS ABOUT VOLCANOES/by Jane Walker - Find out how volcanoes are formed, what makes them erupt. Look at some of the world's most famous volcanoes and learn about the damage they cause. Includes projects, quiz and fascinating facts about volcanoes.

Planets; Rocks; Volcanoes

### Earth Science - Astronomy Series

*For descriptions see individual titles:*

Astronomy [592956]

### Earth Science Series

*For descriptions see individual titles:*

The Big Bang [593831]

Stars: Birth to Death - Part 1 [593829]

Stars: Birth to Death - Part 2 [593830]

The Sun [593207]

### Earth's Nearest Neighbors

597225 VH, DV, DM

I 14 min CA 2008 Visual Learning Company

Closed-captioned. Explore the inner planets of our solar system, Mercury, Venus, Earth, and Mars. Contains: 1 Disc, both DVD and VHS contain Teacher's guide folder.

Planets; Solar System; Earth

### Earth's Rotation and Revolution

595732 VH, DV, DM

I 15 min CA 2006 Visual Learning Company

Closed-captioned. Animation and live-action clearly and concisely explain Earth's movement around the sun and its effect on us. Teacher's guide includes assessments, activities, script, quiz, and more. Contains: 1 Disc with optional English subtitles; video index; labeled slides; glossary; and video previews.

Astronomy; Sun; Earth; Seasons

### Earth's Seasons/Climates

024456 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 look at the earth's climate, seasons, and weather. Teacher's guide.

Weather; Seasons; Meteorology; Climate

### Easter

023896 VH

PI 30 min CA 1994 Schlessinger Video Productions

*Holidays for Children Video Series* - Closed-captioned. Looks at Easter as both a religious holiday and as a symbol for spring and rebirth.

Spring; Multicultural Studies; Easter; Seasons; Holidays

### The Enigma of Venus

593492 VH

S 45 min CA 2001 Schlessinger Video Productions

*Cosmic Odyssey Series* - Closed-captioned. Explores the features of the planet Venus with its high temperature and abundant volcanoes. Teacher's guide.

Astronomy; Venus (Planet); Solar System

### Essentials of Earth Science

*For descriptions see individual titles:*

The Solar System: Our Neighbors in Space [027197]

### Exploring Earth, Sun, and Moon

595733 VH, DV, DM

I 15 min CA 2006 Visual Learning Company

Closed-captioned. Explores properties, movements, and relationships between Earth, sun, and moon. Includes gravity, phases of the moon, tides, eclipses, and more. Teacher's guide includes assessments, activities, script, quiz, and more. Contains: 1 Disc with optional English subtitles; video index; labeled slides; glossary; and video previews.

Earth Science; Earth; Sun; Moon

### Exploring Our Solar System

024915 VH

I 20 min 1990 National Geographic Society

Explores the solar system and the efforts man has made to find out its secrets. Teacher's guide.

Space Travel; Planets; Solar System

## Solar System

### Exploring Our Solar System

022487 VH  
IMJ 20 min 1990 National Geographic Society  
Tours the planets of the Solar System using animation, computer-enhanced imagery as well as live action and actual photographs transmitted to Earth from spacecraft. Includes data from Voyager's epic journey past Jupiter, Saturn, Uranus, and Neptune. Teacher's guide. (45)

Astronomy; Space Travel; Planets; Solar System

### Extreme Astronomy

593498 VH  
S 45 min CA 2001 Schlessinger Video Productions  
*Cosmic Odyssey Series* - Closed-captioned. The advanced technology of X-ray telescopes and gamma-ray satellites allows us to view rare occurrences such as supernovas, star collisions, and planets falling into black holes. Teacher's guide.

Technology; Astronomy; Telescopes

### The Eyes of Nye Series

*For descriptions see individual titles:*  
Astrobiology: Does Extraterrestrial Life Exist? [595419]

### Eyewitness Series

*For descriptions see individual titles:*  
Earth Kit [041310]

### Fall Brings Changes (Third Edition)

020973 VH  
PI 12 min 1976 Churchill Films  
Presents the visual experiences of fall along with comments and activities of children. Shows Halloween, Thanksgiving, and the changes that colder weather brings to plants, birds, and animals.

Nature Study; Autumn; Seasons

### Fall Holidays

041245 KT  
PI 1982 Clearvue  
Halloween and fall activities and stories. Contains: 4 Filmstrips, 4 teacher's guides, and 4 audio cassette programs (The Pumpkin Giant; Haggity Witch; A Pilgrim First; and Thanksgiving). Also includes 6 books: WE CELEBRATE THE HARVEST/by Bobbie Kalman - Multicultural harvest celebrations with songs, poems, all celebrating giving thanks for the bounty; WE CELEBRATE HALLOWEEN/by Bobbie Kalman - Multicultural celebrations with songs, poems, activities, all celebrating the holiday; HOLIDAYS AND FESTIVAL ACTIVITIES FUN/by Debbie Smith - Features science, writing, and art activities for children, highlighting themes of the changing seasons, holidays, and family celebrations; CRAFTS FOR THANKSGIVING/by Kathy Ross - Twenty simple craft projects that children can make from everyday materials; THANKSGIVING

FUN/by Ronne Randall - Crafts and activities for Thanksgiving; and CRAFTS FOR HALLOWEEN/Kathy Ross - Twenty simple craft projects that children can make from everyday materials.

Thanksgiving Day; Seasons; Halloween; Multicultural Studies; Holidays

### Farms in the Fall

023173 VH  
PI 10 min 1976 Journal Films  
*Farms in the Seasons Series* - Depicts characteristic seasonal activities and conditions and kinds of farm produce indigenous to North America in the fall months.

Seasons; Farm Life; Farms; Autumn; Agriculture

### Farms in the Seasons Series

*For descriptions see individual titles:*  
Farms in the Fall [023173]  
Farms in the Spring [023176]

### Farms in the Spring

023176 VH  
PI 10 min 1976 Journal Films  
*Farms in the Seasons Series* - Spring comes slowly as winter snows melt under the spring sun. A class of children have been given a plot of land in farmer Bill's field. They prepare the soil, plant the seeds, and return many times to water and weed. In addition to the enjoyment of watching their plants sprout, they are helped in their understanding of how their food is grown.

Spring; Farm Life; Farms; Seasons; Agriculture

### First Film Series

*For descriptions see individual titles:*  
Stars, a First Film [021144]

### A First Look Series

*For descriptions see individual titles:*  
Sky Above: A First Look [591138]

### First Time Science Series

*For descriptions see individual titles:*  
Bears [023565]  
Changing Seasons [023508]  
Our Friend the Sun [023514]  
Stars [023563]

### First Time Video Series

*For descriptions see individual titles:*  
Here Comes Jack Frost [026392]

### Force and Motion

591551 VH  
S 15 min 2001 Benchmark Media  
*Science Key Concepts Series:*  
*Physics* - Topics include constant speed, acceleration, and gravity and falling. Three concepts are illustrated with computer animation and experiments. Teacher's guide.

Force and Energy; Gravity; Motion

### Forces Series

*For descriptions see individual titles:*  
Gravity: Faster and Faster [592351]

### The Four Seasons

597434 BB  
P 2007 Newbridge Educational Publishing

*Early Science Series* - Follow the patterns of birth, growth, and change during seasons. Set includes small books on three different reading levels for differentiated learning. Author: Melvin Berger. Contains: 1 Big Book; 30 Books (18 on level - GRL H, 6 below level - GRL F, 6 above level - GRL J); 3 CDs (1 on level, 1 below level, 1 above level); 1 Teacher's guide; 8 Photo cards; 1 Smart Word Vocabulary card.

Berger, Melvin; Seasons

### Four Seasons Series

*For descriptions see individual titles:*  
Autumn [024916]  
Spring [024918]  
Summer [024917]  
Winter [024919]

### Frosty Returns

024439 VH  
PI 26 min 2000 Lucerne Media  
Frosty befriends a shy 9-year-old girl and together they show the people of Beansboro the magic and wonders of winter and the importance of protecting the environment.

Winter; Environment; Seasons

### Galileo

026132 VH  
PI 30 min 1997 NEST Entertainment  
*Animated Hero Classics Series* - Animated. As a courageous astronomer, Galileo had the integrity to tell the truth about the universe. Teacher's guide.

Galileo; Solar System; Astronomy; Scientists

### GeoSafari Motorized Solar System

597687 KT  
PIMJ 2007 Delta Education Inc  
In this model of the Solar System, the sun shines on the planets as they orbit. Also includes a star dome to project the constellations on the ceiling. Contains: 9 Planets; Star Dome (clear with labeled constellations); Motorized tower; 9 Support rods; Guide: Quiz sheet; and AC Adaptor.

Solar System; Space; Stars; Planets; Constellations; Astronomy

## Solar System

### Gravity

597474 DV  
MJS 26 min CA 2008 Disney Educational Productions  
*Science of Disney: Imagineering Series* - Closed-captioned. Disney Imagineers show how they work with and against gravity's constant force. Learn to define gravity and explain the relationship between gravity, mass, and distance. Understand how forces produce the feeling of weightlessness on a roller coaster ride. Includes bonus experiments, quiz, and Web links. Contains: 1 Disc and Teacher's guide folder.

Force and Energy; Gravity

### Gravity

026916 VH, DV  
IMJ 23 min CA 2000 Schlessinger Video Productions  
*Physical Science in Action Series* - Closed-captioned. Explains that gravity is a force of attraction between objects. Explores the contributions of Newton and Galileo and gravity's connection with weights, orbits, acceleration, and terminal velocity. Activity re-creates Galileo's famous experiment on falling objects. DVD Contains: 1 Disc with English and Spanish language tracks, Discussion questions and activities, Investigative Data Sheet, Chapter select, and both DVD and VHS contain in-case teacher's guide.

Gravity

### Gravity: Faster and Faster

592351 VH  
PIMJ 15 min 1993 New Dimension Media  
*Forces Series* - Students explore the forces acting on us when we go on a theme park ride, including gravity and inertia. Study guide jacket.

Inertia; Gravity; Force and Energy

### Groovy Gravity

598022 CR  
P 2008 Sebco Books  
*ABDO iBooks Interactive Series* - Interactive non-fiction book on CD ROM shares an introduction to gravity, explaining what it is and how it works on Earth and in outer space. Includes a read-aloud function, glossary, review quiz, and background information. Uses Flash player on Mac or PC platform. Contains: 1 CD ROM.

Gravity

### Head's Up II Series

*For descriptions see individual titles:*  
What's the Universe Made Of? [597576]

### Head's Up Series

*For descriptions see individual titles:*  
Do Other Planets Have Weather? [596977]  
Do UFOs Really Exist? [596978]  
How Big is the Earth? [596979]  
How Cold is Pluto? [596981]

How Do We Get Around in Space? [596983]  
How Do You Drive a Space Robot? [596984]  
How Does the Earth Move? [596985]  
How Far Can We Go in Space? [596986]  
Is Anyone Out There? [596987]  
Is Earth the Only Planet With Water? [596988]  
Is There Life on Other Worlds? [596989]  
What Are Shooting Stars? [596990]  
What Happens When You Fall Into Black Holes? [596991]  
When Are We Going Back to the Moon? [596507]  
When Can I Go to Mars? [596992]  
Where Do Stars Come From? [596994]  
Where is the Center of the Universe? [596995]  
Where's Our Place in Space? [596508]  
Why Are Planets Round? [596996]  
Why Do Comets Have Tails? [596997]  
Why Do Some Planets Have Rings [596998]  
Why Do Stars Twinkle? [596999]  
Why is the Sun So Hot? [597000]

### Hello and Goodbye Mr. Winter

024306 VH  
P 9 min NNAR 2000 Pied Piper  
Non-narrated. Depicts the arrival of winter, showing the ways in which people and animals settle down to enjoy the season. As the months change, flowers bloom, snow melts, and spring arrives.

Weather; Winter; Seasons

### Henry and Mudge

040307 MB  
P 48 p. 1987  
30 Books (5 each title): MY FIRST BOOK; PUDDLE TROUBLE; UNDER THE YELLOW MOON; GREEN TIME; FOREVER SEA; and SPARKLE DAYS. The adventures of a boy and his dog, through the seasons of the year. Author: Cynthia Rylant. Pictures by: Sue Stevenson.

Dogs - Fiction; Seasons; Pets - Fiction; Rylant, Cynthia; Family Life - Fiction

### Here Comes Jack Frost

026392 VH  
P 8 min CA 1992 Troll Associates  
*First Time Video Series* - Closed-captioned. Read-along story follows Jack Frost as he paints beautiful decorations on winter windows. Includes vocabulary review.

Winter; Seasons

### High Frontiers

596231 DV  
S 45 min 2006 Landmark Media  
*Space Exploration Series* - Explores the commercialization and militarization of space as the number of satellites above us increases exponentially. Are we allowing the dangers to outweigh the potential benefits? Includes space brokers, the Outer Space Treaty, and the debris. Contains: 1 Disc.

Space Vehicles; Astronomy; Space

### Holidays for Children Video Series

*For descriptions see individual titles:*  
Easter [023896]

### How Big Is My Universe

026723 VH  
MJS 10 min CA 1997 Discovery Communications  
*Assignment Discovery Series* - Closed-captioned. Astronomer Sheldon Schafer converted the area around Peoria, Illinois into a scale model of our solar system. Then he bikes from one "planet" to another to demonstrate the vast distances in space. Teacher's guide.

Solar System; Space

### How Big is the Earth?

596979 DV  
PIM 28 min 2007 Landmark Media  
*Head's Up Series* - We've come a long way since thinking the earth was flat. Now satellites provide us with information on weather, currents, forest cover, and much more. Also deals with the problem of dead satellites. Contains: 1 Disc.

Astronomy; Earth; Technology

### How Cold is Pluto?

596981 DV  
PIM 28 min 2007 Landmark Media  
*Head's Up Series* - Visit the observatory where Pluto was discovered. Join the debate on whether Pluto even deserves to be called a planet. Contains: 1 Disc.

Astronomy; Solar System; Planets

### How Do We Get Around in Space?

596983 DV  
PIM 28 min 2007 Landmark Media  
*Head's Up Series* - Learn about launching a rocket into space and all the details mission planners must contend with. Contains: 1 Disc.

Astronomy; Space Travel; Rockets (Aeronautics)

## Solar System

### How Do You Drive a Space Robot?

596984 DV  
PIM 28 min 2007 Landmark Media  
*Head's Up Series* - Learn how robots are designed and made to withstand the toughest elements of space and how they work without human help. Contains: 1 Disc.  
Space Exploration; Astronomy; Robots; Technology

### How Does the Earth Move?

596985 DV  
PIM 28 min 2007 Landmark Media  
*Head's Up Series* - Learn about Galileo's quest to understand how the earth and the solar system move throughout the galaxy in this astronomy history lesson. Contains: 1 Disc.  
Galileo; Astronomy

### How Far Can We Go in Space?

596986 DV  
PIM 28 min 2007 Landmark Media  
*Head's Up Series* - Learn about traveling further into space. Covers your body in space, disorientation, adapting to travel, and the kinds of rockets that will be needed. Contains: 1 Disc.  
Space Exploration; Astronauts; Astronomy; Space Travel

### How the Solar System Works

591687 VH  
IMJ 15 min CA 2001 AGC  
*A Spin Around the Solar System Series* - Closed-captioned. This series covers a wide range of essential matters about the solar system with the help of specially designed graphics and animations. This program explains the basic concepts of the solar system. Covers formation of planets and other qualities of the solar system such as: Kuiper Belt objects, asteroids, comets, the Oort Cloud, and the Heliopause. Teacher's guide with blackline masters.

Planets; Space Travel; Solar System

### Inflatable Solar System

594729 KT  
PIMJ 2005 Educational Resources  
Learn about our Solar System with inflatable models ranging in size from a 36" diameter sun to an 8" Pluto. Contains: 11 inflatables: Sun, Earth's Moon, Jupiter, Saturn, Uranus, Neptune, Earth, Venus, Mars, Mercury, Pluto; 1 Foot pump; 1 Straw; and 1 Activity guide. INSTRUCTIONS FOR INFLATION: 1) Connect blue tube to blue spout on foot pump. 2) Use small white nozzle on other end of blue tube. 3) Insert nozzle into valve on planet (not too far - if nozzle touches the flap inside, that keeps the planet from deflating and air will not go in). 4) Press pump. 5) DO NOT OVERINFLATE. INSTRUCTIONS TO DEFLATE: 1) Squeeze sides of valve on planet to let air out. NOTE: On the

Sun, it may help to insert the small straw into the valve.

Planets; Solar System

### The Invisible Universe

596026 DV  
S 24 min CA 2006 Films Media Group  
*Cambridge Core Science: Space Science Series* - Closed-captioned. Explores intergalactic radio waves, microwaves, x-rays, gamma rays, and other forms of energy not visible to the naked eye. Includes information on technology for seeing this invisible universe. Contains: 1 Disc and Teacher's guide.

Astronomy; Space

### Is Anyone Out There?

596987 DV  
PIM 28 min 2007 Landmark Media  
*Head's Up Series* - Join the Search for Extraterrestrial Intelligence (SETI). Learn how we are trying to make contact, what we might say, what language would we speak, and what we have found so far. Contains: 1 Disc.  
Space Exploration; Life on Other Planets; Astronomy

### Is Earth the Only Planet With Water?

596988 DV  
PIM 28 min 2007 Landmark Media  
*Head's Up Series* - Explore other worlds that have some form of H<sub>2</sub>O. Learn about a salt water ocean on a moon over 350 million miles away. Will water lead us to life on other planets? Contains: 1 Disc.  
Space Exploration; Planets; Astronomy

### Is There Life on Other Worlds?

596989 DV  
PIM 28 min 2007 Landmark Media  
*Head's Up Series* - Explore life in very strange places on Earth. If "extremophiles" can exist in these hostile places, can similar life be found on other worlds? Contains: 1 Disc.  
Life on Other Planets; Astronomy

### The Jacket I Wear in the Snow

045007 BB  
P 2000 Scholastic Inc.  
A cumulative poem and rebus about winter clothing. Author: Shirley Neitzel. Pictures by Nancy Winslow Parker. 1 Big Book, 30 Books, 1 Audio cassette, 1 Teacher's Guide. Reading level 2, Interest level K-3  
Seasons; Clothing and Dress; Winter

### Journey to Jupiter

591735 VH  
IMJS 10 min 1999 Landmark Media  
*Destination Cosmos 20 Series* - A closer look at the Solar System's biggest planet by spaceprobes gives us an insight into Jupiter, its moons, and their unique surfaces. Study guide jacket.  
Planets; Astronomy; Solar System

### Junior Space Scientist Series

For descriptions see individual titles:  
Our Solar System [024785]

### Let's Explore Autumn and Winter

595965 DV  
NP 30 min 2005 Big Kids Productions Inc  
Multi-level DVD has age appropriate content for 3 different grade levels...preschool through second grade. Covers different features of the seasons including apples, pumpkins, harvest, and winter sports. Content for each age level runs about 10 minutes. Bonus materials accessible on computer drives only. Contains: 1 Disc.  
Autumn; Seasons; Winter

### Let's Explore Spring and Summer

595964 DV  
NP 2005 Big Kids Productions Inc  
Multi-level DVD has age appropriate content for 3 different grade levels...preschool through second grade. Covers different features of the seasons including weather, food, animals, and more. Content for each age level runs about 10 minutes. Bonus material accessible on computer drives only. Contains: 1 Disc.  
Seasons; Summer; Spring

### Lights in the Sky Series

For descriptions see individual titles:  
Planets and Moons: Our Solar System [026992]

### Look Again Series

For descriptions see individual titles:  
Snowballs and Sandcastles [022184]

### Look to the Stars

591688 VH  
IMJ 15 min CA 2001 United Learning  
*A Spin Around the Solar System Series* - Closed-captioned. Covers these concepts: definition of the galaxy, the concept of light-year, interstellar medium, Big Bang theory, star life cycles and purposes, and the effect of nuclear fusion within stars. Teacher's guide with blackline masters.  
Stars; Solar System

## Solar System

### Look Up Series

*For descriptions see individual titles:*

Earth: Its Place in the Universe  
[025157]

Looking Up at the Stars [025154]

The Moon [025161]

More About the Stars [025155]

Our Star, the Sun [025156]

### Looking Up at the Stars

025154 VH

I 15 min 1994 Films for the Humanities

*Look Up Series* - Animated characters Robot and Imagination examine stars: what are they, how are they formed, and why they twinkle. The patterns or pictures of stars called constellations are introduced. Teacher's guide.

Stars; Solar System; Astronomy; Constellations

### Magic School Bus Explores the Solar System

037083 CR

PI 2000 Scholastic Inc.

*Magic School Bus Series* - When the magic school bus blasts off on the way home from the planetarium, Ms. Fizzle and her students get a close-up look at outer space. Requirements: Multimedia PC with 486X or higher microprocessor; 25 MHZ; 4MB of RAM; at least 5MB available hard-disc space; double speed CD-ROM drive; 8-bit audio board, SVGA display capable of 256 colors; MS-DOS operating system 5.0 or later; Windows operating system 3.1 or later; headphones or speakers. Contains: 1 CD-ROM.

Children's Literature; Language Arts; Space - Fiction; Solar System - Fiction

### Magic School Bus Gets Lost in Space

024292 VH

P 30 min CA 1995 Scholastic Inc.

*Magic School Bus Series* - Closed-captioned. Ms. Fizzle's class, on a field trip, gets lost in outer space. Explore outer space with your favorite Magic School Bus.

Solar System; Space Travel

### Magic School Bus Lost in the Solar System

040217 BB

P 40 p. 1990 Scholastic Inc.

*Magic School Bus Series* - When the magic school bus blasts off on the way home from the planetarium, Ms. Fizzle and her students get a close-up look at outer space. Author: Joanna Cole. Illustrator: Bruce Degen. 1 Big Book, 30 Books, 1 Teacher's Guide. Reading level 3.7, Interest level K-3

Space - Fiction; Children's Literature; Solar System - Fiction; School Buses - Fiction

### Magic School Bus Out of this World

025602 VH

PI 30 min CA 1997 Scholastic Inc.

*Magic School Bus Series* - When Dorothy Ann sees an asteroid on a crash course toward their school, the class blasts into space to learn about comets, meteors, and asteroids and try to save the world.

Meteors; Astronautics; Solar System; Space

### Magic School Bus Series

*For descriptions see individual titles:*

Magic School Bus Explores the Solar System [037083]

Magic School Bus Gets Lost in Space [024292]

Magic School Bus Lost in the Solar System [040217]

Magic School Bus Out of this World [025602]

Magic School Bus: Space Adventures [594288]

### Magic School Bus: Space Adventures

594288 DV

P 82 min CA 2003 Scholastic Inc.

*Magic School Bus Series* - Three Magic School Bus adventures: Magic School Bus Gets Lost in Space - Arnold's cousin Janet drives the whole class crazy when she joins Ms. Frizzle's class on a field trip; Magic School Bus Out of This World - Dorothy Ann and her class blast into space to try to divert an asteroid crashing toward their school; and The Magic School Bus Taking Flight - Wanda and her class discover how wings and moving air cause flight as they are shrunk inside Tim's model airplane. Contains: 1 Disc.

Space; Solar System - Fiction; Meteors; Flight

### Magical Mercury Tour

591734 VH

IMJS 10 min 1999 Landmark Media

*Destination Cosmos 20 Series* - Mercury is too close to the sun for most telescopes to see it, yet spaceprobes show its surface to be the hottest location in our solar system outside of the sun itself. Study guide jacket.

Astronomy; Planets; Solar System

### Many Adventures of Winnie the Pooh Series

*For descriptions see individual titles:*

Winnie the Pooh Discovers the Seasons [020689]

### Mars

593758 VH

PI 14 min 2002 Film Ideas Inc

*What's Up in Space Series* - Explores similarities and differences between Mars and Earth. Includes recent missions to Mars including footage from the Mars Pathfinder. Teacher's guide.

Mars (Planet); Solar System

### Measurement, Ratios and Graphing: Who Added the "Micro" to Gravity?

592192 VH, SA

IMJ 30 min CA 2002 NASA

*NASA Connect Series* - Closed-captioned. NASA researchers and scientists use measurement, ratios, and graphing to demonstrate the principles of microgravity. With Teacher's guide.

Ratio; Measurement; Graphs; Gravity

### Momentum/Gravity

024467 VH

I 52 min 1994 Disney Educational Productions

*Bill Nye the Science Guy Series* - Uses comedy, interviews with scientists, and hands-on experiments to illustrate the principles of momentum and gravity. Teacher's guide.

Momentum; Gravity

### The Moon

593753 VH

PI 13 min 2003 Film Ideas Inc

*What's Up in Space Series* - Takes viewers to the surface of the moon and outlines the history of lunar exploration. Discusses the impact of the moon on the Earth's tides and calendar. Teacher's guide.

Solar System; Moon

### The Moon

025161 VH

I 15 min 1994 Films for the Humanities

*Look Up Series* - Animated characters Robot and Imagination study the moon's general characteristics, its function as a reflector of the sun's light, and its phases. Teacher's guide.

Moon; Solar System

### Moon

026492 VH

IMJ 23 min CA 1999 Schlessinger Video Productions

*Space Science in Action Series* - Closed-captioned. Two comical, would-be astronauts prepare for their dream mission by reviewing everything they know about the moon. Includes an activity to demonstrate the moon's gravity and Internet resources in the teacher's guide.

Space; Moon; Planets

## Solar System

### The Moon

592981 DV, DM  
I 26 min CA 2003 Disney  
Educational Productions  
*Bill Nye the Science Guy Series* -  
Closed-captioned. Learning about  
Earth's natural satellite is an out-of-  
this-world experience as Bill Nye  
illuminates the orbit and phases of the  
moon. The program features an  
overview with Harrison Schmitt, the  
last astronaut to walk on the moon.  
Includes interactive quizzes, glossary,  
chapter search with National Science  
standards and bonus footage.  
Contains: 1 Disc.  
Space; Moon

### Moon Dance

591689 VH  
IMJ 15 min CA 2001 United  
Learning  
*A Spin Around the Solar System  
Series* - Closed-captioned. Discusses  
theories of the moon's formation;  
physical make-up; and affects on  
Earth's tides, eclipses, rotation, and  
revolution. Teacher's guide with  
blackline masters.  
Planets; Solar System; Moon

### The Moon/Outer Space

024455 VH  
I 52 min CA 1994 Disney  
Educational Productions  
*Bill Nye the Science Guy Series* -  
Copy 2 has closed-captioned. Uses  
comedy, interviews with scientists, and  
hands-on experiments to look at the  
moon and its effect on gravitational  
pull. Also explores outer space.  
Teacher's guide.  
Gravity; Planets; Moon; Space

### More About the Stars

025155 VH  
I 15 min 1994 Films for the  
Humanities  
*Look Up Series* - Animated characters  
Robot and Imagination discuss  
comets, observatories, space probes,  
the differences between meteors and  
meteorites, and falling stars.  
Comets; Astronomy; Meteors; Stars

### NASA Connect Series

*For descriptions see individual titles:*  
Data Analysis and Measurement:  
Having a Solar Blast! [592172]  
Measurement, Ratios and Graphing:  
Who Added the "Micro" to Gravity?  
[592192]  
Rocket to the Stars [594262]

### Nature's Sights and Sounds Series

*For descriptions see individual titles:*  
Autumn: Nature's Sights and Sounds  
[022576]  
Spring: Nature's Sights and Sounds  
[022573]  
Summer: Nature's Sights and  
Sounds [022575]  
Winter: Nature's Sights and Sounds  
[022574]

### Nova Series

*For descriptions see individual titles:*  
Origins [595322]

### Origins

595322 DV  
SA 240 min CA 2004 WGBH  
Educational Foundation  
*Nova Series* - Closed-captioned.  
Explores how the universe and our  
planet began amid chaos and  
eventually gave birth to the first  
stirrings of life. Join astrophysicist Neil  
deGrasse Tyson and other scientists  
as they investigate the Big Bang, how  
life began, are there aliens, and more.  
Contains: 2 Discs.  
Space; Astronomy; Universe

### Our Distant Neighbors

597233 VH, DV, DM  
I 14 min CA 2008 Visual Learning  
Company  
Closed-captioned. Explores  
characteristics of Jupiter, Saturn,  
Uranus, Neptune, and other objects  
revolving around our sun. Contains: 1  
Disc, both DVD and VHS contain  
Teacher's guide folder.  
Astronomy; Planets; Solar System

### Our Friend the Sun

023514 VH  
P 8 min 1993 Troll Associates  
*First Time Science Series* - Our sun is  
a very special friend. It keeps the  
world just right for all plants and  
animals to live and grow.  
Stars; Sun

### Our Mr. Sun

020358 VH  
IMJS 53 min 1956  
Shows the solar eclipses and  
explosions, the phenomena of sun  
spots, the aurora borealis, how the  
sun burns, etc. Deals simply with  
many complex theories.  
Astronomy; Eclipses; Sun

### Our Rocky Neighbors: The Inner Planets

591690 VH  
IMJ 15 min CA 2001 United  
Learning  
*A Spin Around the Solar System  
Series* - Closed-captioned. Covers the  
Inner Planets: Mercury, Venus, Earth,  
and Mars. Compares and contrasts  
members of this group. Teacher's  
guide and blackline masters.  
Solar System; Planets

### Our Solar System

591460 VH  
I 21 min 1999 Sunburst  
Communications  
*Real World Science I Series* - NASA  
photos provide details in this survey of  
our solar system. Covers celestial  
bodies and their orbits. Teacher's  
guide, separate answer key.  
Solar System

### Our Solar System

024785 VH  
PI 8 min CA 1995 United Learning  
*Junior Space Scientist Series* -  
Closed-captioned. Introduction to the  
Solar System and to space  
exploration. Teacher's guide with  
blackline masters.  
Solar System; Space Exploration;  
Universe

### Our Solar System Module

596749 MB  
PIM 2008 Millmark Education  
*ConceptLinks Series* - Differentiated,  
leveled non-fiction books explore the  
solar system 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  
(Our Solar System Earth in Space;  
Our Solar System Neighbors in  
Space; Our Solar System Exploring  
Other Worlds; and Our Solar System  
The Sun and Its Effects); 1 Teacher's  
Guide; 1 Concept Connector (Our  
Solar System on one side and  
Exploring Our Solar System on  
reverse); 1 ConceptLinks Reading  
Level Chart; 4 Discs (Our Solar  
System Image Bank - CD ROM, Our  
Solar System Resource - CD ROM,  
and Our Solar System Audio CD); in  
gray Storage Tote Bag.  
Solar System

### Our Star, the Sun

025156 VH  
I 15 min 1994 Films for the  
Humanities  
*Look Up Series* - Animated characters  
Robot and Imagination discuss why  
the sun is considered a star, what it is  
made of, where its heat comes from,  
its size relative to the moon and Earth,  
and how it is studied by scientists.  
Teacher's guide.  
Stars; Solar Energy; Sun; Solar  
System

### The Outer Planets: Gas Giants

591691 VH  
IMJ 15 min CA 2001 United  
Learning  
*A Spin Around the Solar System  
Series* - Closed-captioned. Compares  
and contrasts the planets known as  
Gas Giants: Jupiter, Saturn, Uranus,  
and Neptune. Teacher's guide and  
blackline masters.  
Planets; Solar System

### Physical Science for Children Series

*For descriptions see individual titles:*  
All About Forces and Gravity  
[026890]

### Physical Science in Action Series

*For descriptions see individual titles:*  
Gravity [026916]

## Solar System

### Planet Earth (Education Edition) Series

For descriptions see individual titles:  
Pole to Pole [596914]

### Planet of the Rings

595835 DV  
S 28 min 2006 Landmark Media  
*Space Exploration Series* - Learn about the exploration of Saturn by the planetary probe Cassini. Highlights the work of the scientists, the technological breakthroughs, and the information gathered.

Space Exploration; Planets;  
Astronomy

### Planet Walk

598377 KT  
PIMJ 2010 Delta Education Inc  
Students can create an accurate scale model of the solar system. Comes with two sets of planet cards, one scaled for use on a basketball court and the other for a football field. Teacher's guide includes direction for spacing along with planetary information and additional activities. Kit contains: 1 Teacher's guide; 9 Dowl rods; 16 Planet cards (8 black & 8 white); 12 Wire card holders; 9 Blue cones; 9 Wood blocks; 12 Rubber washers; 1 White Ping-Pong ball (large Sun); 1 Red bead (small Sun; 1 Threaded rod.

Planets; Solar System; Space;  
Astronomy

### Planetarium

049011 EQ  
PIMJS 1985  
The equipment is delivered and set up by BOCES personnel. Also contains notebook: Astronomy and More: A Comprehensive Curriculum and User's Guide for the STARLAB and Other Planetaria.

Planets

### The Planets

596028 DV  
S 31 min CA 2006 Films Media Group  
*Cambridge Core Science: Space Science Series* - Closed-captioned. Explains how the Solar System formed and offers detailed information on the planets including the status of Pluto. Contains: 1 Disc and Teacher's guide.

Solar System; Space; Planets

### Planets

593759 VH  
PI 13 min 2004 Film Ideas Inc  
*What's Up in Space Series* - Looks at each of the nine planets in our Solar System plus the relationship of each to the sun. Teacher's guide.

Planets; Solar System

### The Planets

592983 DV  
I 26 min CA 2003 Disney Educational Productions  
*Bill Nye the Science Guy Series* - Closed-captioned. Bill Nye goes planet gazing and takes a serious look at Jupiter's features, Earth's elliptical orbit, and the distances between planets. Includes interactive quizzes, glossary, chapter search with National Science standards and bonus footage. Contains: 1 Disc.

Solar System; Planets

### The Planets

I 26 min CA 1994  
*Bill Nye the Science Guy Series* - Closed-captioned. Uses comedy, interviews with scientists, and hands-on experiments to examine the planets of the Solar System. Teacher's guide.

Solar System; Planets

### Planets and Moons: Our Solar System

026992 VH  
MJS 45 min 2000 Phoenix Multimedia  
*Lights in the Sky Series* - Details important aspects of each planet, the histories of their discoveries, and what may lay ahead.

Space; Planets; Solar System

### Planets and the Solar System

026493 VH  
IMJ 23 min CA 1999 Schlessinger Video Productions  
*Space Science in Action Series* - Closed-captioned. Two comical, would-be astronauts review everything they know about the Solar System. Basic facts are followed by an activity to demonstrate how gravity holds everything in orbit around the sun. Teacher's guide includes Internet resources.

Planets; Solar System; Space

### 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

### Play and Discover Series

For descriptions see individual titles:  
Seasons [024730]

### Pole to Pole

596914 DV  
IMJS 42 min 2007 Discovery Education  
*Planet Earth (Education Edition) Series* - See how seasons produce the greatest spectacles on Earth and how the world's interconnected. From the North Pole to the South Pole, from African herds migrating to find water to predators hunting prey, all are affected. Contains: 1 DVD, 1 Teacher's Resource disc with guides for 3 grade bands (3-5, 6-8, 9-12), 1 Teacher's guide folder.

Seasons; Ecosystems

### Professor Iris Series

For descriptions see individual titles:  
The Seasons [593608]

### 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

### Reading Rainbow Series

For descriptions see individual titles:  
Snowy Day: Stories and Poems [022251]

### Real World Science I Series

For descriptions see individual titles:  
Our Solar System [591460]

### 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

## Solar System

### Rocket to the Stars

594262 VH, SA  
IMJS 30 min 2004 NASA  
*NASA Connect Series* - Students will learn the basic science concepts of work and energy and see how algebra can be used to help explain both concepts. NASA is working on new ways of powering spacecraft that will reduce the travel time to the Moon, Mars, and beyond. Students will be introduced to two cutting edge innovative propulsion technology programs, Prometheus and VASIMR, that will allow crewed and uncrewed vehicles to explore the distant reaches of the solar system. By conducting inquiry-based and web activities, students will make connections between NASA research and the mathematics, science, and technology they learn in their classrooms.

Earth Science; Stars; Planets

### Science Key Concepts Series: Physics

For descriptions see individual titles: Force and Motion [591551]

### Science of Disney: Imagineering

For descriptions see individual titles: Gravity [597474]

### The Seasons

593608 VH  
NP 15 min 2003 Landmark Media  
*Professor Iris Series* - Puppets explore the characteristics of spring, summer, autumn, and winter and some of the fun things we can do in each season. Teacher's guide jacket.

Seasons

### Seasons

024730 VH  
P 15 min 1996 Two Can Publishing Ltd  
*Play and Discover Series* - Take a magic toy box ride to find out exactly what happens in summer, spring, winter, and fall.

Birds; Seasons; Insects; Weather

### The Seasons and the Monsoon

596837 DV  
IMJ 10 min CA 2007 New Dimension Media  
*Climate Regions & Weathers of the World Series* - Closed-captioned. The diversity of seasons depend on the climate and region. While most areas have up to four seasons, climatologists have decided that the monsoon in Southern Asia has such precise properties that many consider it a fifth season. Contains: 1 Disc and Jacket Teacher's guide.

Seasons; Climate; Weather; Earth Science; Storms

### Signs of Fall and Winter

593442 VH  
PI 20 min CA 2003 Berlet Films and Video  
Closed-captioned. Looks at the familiar signs we use to make the change of seasons. Shows leaves changing, birds migrating, holidays, and outdoor activities. Teacher's guide.

Winter; Seasons; Autumn

### Signs of Nature

024446 VH  
P 20 min CA 1996 National Geographic Society  
Closed-captioned. Learn to appreciate nature through taking time to listen, look, and smell to discover the meaning of nature's "signs".

Seasons; Forest Ecology; Nature Study

### Signs of Spring and Summer

592866 VH  
PI 20 min CA 2003 Berlet Films and Video  
Closed-captioned. Covers the changes in temperatures and conditions that occur in spring and summer. Includes holidays and special activities.

Spring; Summer; Seasons

### Sky Above: A First Look

591138 VH  
P 18 min 2000 Rainbow Educational Video  
*A First Look Series* - Looks at the stars, planets, moon, sun, and clouds - everything that is in the sky. Teacher's guide with blackline masters.

Sun; Solar System

### Sky Tree

591368 BD  
P 1995 Childcraft Education Corp  
1 Book: SKY TREE/by Thomas Locker. Shows how a tree changes through the seasons. Uses beautiful artwork and questions to connect art and science. 1 Drawstring bag; 4 Soft sculpture trees; 1 Teacher's guide.

Seasons; Locker, Thomas; Trees

### Snowballs and Sandcastles

022184 VH  
PI 8 min NNAR 1990 Bullfrog Films  
*Look Again Series* - Non-narrated. Examines the differences of winter and summer and the effects that changing seasons have on our everyday lives.

Summer; Winter; Environment; Seasons

### Snowy Day: Stories and Poems

022251 VH, DV  
P 30 min CA 1991 Lancit Media Productions  
*Reading Rainbow Series* - Closed-captioned. Story contains a collection of stories and poems with snow as a common theme. Host LeVar Burton travels to Jackson Hole, Wyoming to offer ways to beat winter's chills and enjoy snow fun. He also takes viewers to Alaska to find out about the Iditarod, a famous dog sled race. Edited by: Caroline Feller Bauer. Teacher's guide. DVD Contains: 1 Disc.

Snow; Winter; Seasons

### The Solar System

590167 DV  
S 130 min 2000 Films for the Humanities  
*The Universe - A Guided Tour Series* - Captioned. Contains 13 ten-minute programs exploring the Sun, each planet, the Moon, comets, eclipses, the aurora borealis, the search for extraterrestrial life, and the threat of comet or asteroid impact with the Earth. Based on the VHS series "The Complete Cosmos". Contains: 1 Disc.

Space; Solar System; Astronomy

### Solar System

021932 VH  
PI 23 min 1989 Landmark Films  
*Bright Sparks Series* - The nine planets and our moon are explored. Learning about planets leads to an explanation about the work of the radio telescope. Teacher's guide. (523)

Planets; Astronomy; Solar System

### The Solar System: A First Look

597078 DV  
P 15 min 2007 100% Educational Video  
Introduces the solar system. Orbits, gravity, planets, moon, sun, and rotation are defined. Our planets are introduced and information about Pluto's new status as a dwarf planet is included. Short rhymes help with understanding. Contains: 1 Disc and Teacher's guide jacket.

Space; Planets; Solar System

### The Solar System: Above and Beyond

597077 DV  
IMJ 15 min 2006 100% Educational Video  
Computer graphics and footage of the planets, illustrate our solar system. Includes a history of human interest and study of our universe. Updated with information about Pluto as a dwarf planet. Contains: 1 Disc and Teacher's guide jacket.

Solar System; Planets; Space

## Solar System

### Solar System - CAT Kit

048004 CK  
PI 2000

A collection of 8 different programs that examine planets, stars, constellations, and space exploration. Includes: Astronomy 101: Beginner's Guide to the Night Sky; Inner Planets; Magic School Bus Gets Lost in Space; Our Solar System; Outer Planets; Solar System; Stars and Constellations; and Sun and Other Stars. Contains: Teacher's guide with blackline masters for "Our Solar System".

Sun; Solar System; Astronomy;  
Stars; Earth; Planets

### The Solar System: Our Neighbors in Space

027197 VH  
MJS 23 min 1997 Great Pacific Media

*Essentials of Earth Science Series* - Explains the nebular theory of the origin of the Solar System, then visits each of the nine planets. Teacher's guide with questions and answers sheets.

Solar System

### The Solar System: Outer Gas Planets

596414 DV  
IMJS 15 min 2007 New Dimension Media

*Earth in the Universe Series* - Photographs from Voyager 1 and 2 space probes are combined with animations and commentary to provide an understanding of the outer planets - Jupiter, Saturn, Uranus, and Neptune, and their moons. Mentions Pluto as a planet. Contains: 1 Disc and In-case Teacher's guide.

Planets; Solar System; Space;  
Astronomy

### The Solar System: Sun and Inner Rock Planets

596415 DV  
IMJS 15 min 2007 New Dimension Media

*Earth in the Universe Series* - Photographs from the Mariner and Magellan space probes are combined with animations and commentary to provide a comprehensive understanding of the land forms and chemical activity on the Sun and the inner planets - Mercury, Venus, Earth, and Mars. Contains: 1 Disc and In-case Teacher's guide.

Planets; Astronomy; Solar System;  
Space

### Space

041327 KT  
PIMJS 1996 Social Issues Resources Inc.

A series of 4 sets (8 prints each) of photo essays documenting man's exploration of space: (1) Man on the Moon; (2) Space Shuttle; (3) Hubble Telescope; and (4) The Solar System. Each set comes with a study guide. 1 Doll: Astronaut.

Space Exploration; Solar System;  
Space Shuttles; Moon; Space Flight

### Space

022600 VH  
I 24 min CA 1991 ATV Production  
*Wonder Why Series* - Closed-captioned. We learn about the ways astronauts prepare for the flight into space and how the space shuttle works. We go to space camp and attend an astronaut training session.

Space; Astronautics; Astronomy

### Space

594506 CD  
PI 40 min 1999 Museum Tour  
*Twin Sisters: The Science Series* - Learn about gravity, space travel, and famous astronauts with these 12 informative songs. Includes "Can We Live in Space", "Heroes of Our Time", "I'm Feeling Light as a Feather", and more. Contains: 1 Compact Disc and in-case song book.

Gravity; Space; Astronauts

### Space Exploration Series

*For descriptions see individual titles:*  
Descent to Titan [596229]  
High Frontiers [596231]  
Planet of the Rings [595835]  
Voyage to the Seas of Mars [596230]

### Space Science for Children Series

*For descriptions see individual titles:*  
All About the Earth [026485]  
All About the Moon [026483]  
All About the Planets [026486]  
All About the Sun [026484]

### Space Science in Action Series

*For descriptions see individual titles:*  
Moon [026492]  
Planets and the Solar System [026493]  
Sun [026496]

### Space Songs

045048 BB  
P 31 p. 1988 Scholastic Inc.  
A collection of thirteen space poems. Topics include moon, sun, Milky Way, comets, plants. Author: Myra Cohn Livingston. Illustrator: Leonard Everett Fisher. 30 Books, 1 Big Book, 1 Teacher's Guide, 1 Audio cassette.

Astronomy; Livingston, Myra Cohn;  
Poetry; Planets

### Space Trekkers

594548 VH  
PI 30 min 2002 Museum Tour

*Way Cool Science Series* - Science enthusiast Max Orbit uses satellite footage, photographs, and Science experiments to learn about our Solar system. Teacher's guide.

Solar System; Space

### A Spin Around the Solar System Series

*For descriptions see individual titles:*  
Asteroids, Comets, and Pluto: Small Pieces [591692]  
How the Solar System Works [591687]  
Look to the Stars [591688]  
Moon Dance [591689]  
Our Rocky Neighbors: The Inner Planets [591690]  
The Outer Planets: Gas Giants [591691]

### Spring

024918 VH  
PI 16 min 1983 National Geographic Society  
*Four Seasons Series* - Insects and spiders hatch from eggs or emerge from winter habitats. Learn about the various types of shelters that animals prepare for raising their young. Birds return from wintering grounds and build nests where they will lay their eggs; beavers repair their dams and lodges. In the pond, leopard frogs awaken after their long winter sleep and lay eggs that hatch into tadpoles. Insect larvae, such as mosquito and caddis fly, also begin their development in the pond. Animal camouflage and finding food is also covered. Teacher's guide.

Spring; Seasons; Animals; Insects;  
Frogs

### Spring Brings Changes

020972 VH  
PIMJ 11 min 1976 Churchill Films  
Tells how the season of spring affects plants, animals, and children with its changes in growing, budding, flowering, emerging, and reproducing.

Seasons; Spring

### Spring: Nature's Sights and Sounds

022573 VH  
PI 14 min 1983 Maslowski Wildlife Productions  
*Nature's Sights and Sounds Series* - Celebrates the coming of spring and the rebirth of wild plants and wildflowers but mostly through the birth of new small animals. Frogs, woodchucks, honey bees, rabbits, foxes, raccoons, turtles, snakes, fish, snails, crayfish, and a host of birds are featured.

Spring; Animals; Seasons; Birds

## Solar System

### Squirrels All Year Long

045064 BB  
P 16 p. 1992 Newbridge  
Educational Publishing  
*Early Science Series* - Depicts a squirrel's life during each of the seasons of the year. Set includes small books at three different reading levels for differentiated learning.  
Author: Melvin Burger. 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 Audio cassette; 1 Teacher's guide; 8 photo cards.

Seasons; Berger, Melvin; Squirrels

### Stage One Science Series

*For descriptions see individual titles:*  
Changing Seasons [023704]

### Star Recognition: A Graphic Guide to the Heavens

023985 VH  
IMJS 31 min 1985 Encyclopedia  
Britannica  
Locates and identifies, season by season, the most prominent constellations in the night sky, as viewed from the mid-latitudes of the Northern Hemisphere.

Astronomy; Stars; Seasons

### Stars

593757 VH  
PI 14 min 2004 Film Ideas Inc  
*What's Up in Space Series* - Tells how stars are formed, what they are made of, their location, plus information about comets and shooting stars.  
Teacher's guide.

Solar System; Stars

### Stars

023563 VH  
P 8 min 1988 Troll Associates  
*First Time Science Series* - The sun is a star that is close to the earth, but there are many other stars in the sky. Let's take a trip to the stars and find out about them!

Stars; Astronomy

### Stars, a First Film

021144 VH  
PIMJ 13 min 1978 BFA Educational  
Media  
*First Film Series* - Traces the history of man's attempts to understand the stars. Explains how studying the Sun, constellations, colors of stars, distances of stars from Earth, and composition of stars has increased man's knowledge of the entire galaxy. For elementary grades.

Astronomy; Stars

### Stars and Constellations

022960 VH  
IMJS 25 min 1993 National  
Geographic Society  
Reviews history of human astronomical observations, locates constellations, and summarizes the life cycle of a star.

Astronomy; Stars

### Stars and Galaxies

597237 VH, DV, DM  
I 14 min CA 2008 Visual Learning  
Company  
Closed-captioned. Covers the main characteristics of galaxia and stars, especially the size, temperature and brightness of stars, their life cycle, and the tools used by astronomers to study space. Contains: 1 Disc, both DVD and VHS contain Teacher's guide folder.

Stars; Astronomy; Space

### Stars and Galaxies Module

597169 MB  
PIM 2008 Millmark Education  
*ConceptLinks Series* - Differentiated, leveled non-fiction books explore the concept of light and sound at four reading levels (grades 2, 3, 4, 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 (Exploring with Technology, Changing Over Time, Our Universe, Light From Far Away); 1 Teacher's Guide; 1 Concept Connector (Lights in the Sky on one side and The Changing Universe on the reverse side); 1 ConceptLinks Reading Level Chart; 4 Discs (Stars and Galaxies Image Bank CD ROM, Stars and Galaxies Resource CD ROM, Stars and Galaxies Audio CD, and Stars and Galaxies Classroom Management and Assessment CD ROM); 1 Reading Level Chart, in gray Storage Tote Bag.

Universe; Astronomy; Stars

### Stars: Birth to Death - Part 1

593829 VH  
MJS 13 min 2003 Benchmark Media  
*Earth Science Series* - Explores the different stages in the birth and death of stars, including our sun. Uses images from telescopes, satellites, and computer animation. Teacher's guide.

Space; Astronomy; Stars

### Stars: Birth to Death - Part 2

593830 VH  
MJS 15 min 2003 Benchmark Media  
*Earth Science Series* - Part 2 briefly reviews the life stages of a star, then explores some well known nebulae such as the Helix and Cats Eye. Examines the effect of gravity and supernova explosions on stars. Teacher's guide.

Astronomy; Space; Stars

### Stars, Light Years, and the Milky Way

596413 DV  
IMJS 15 min 2007 New Dimension  
Media  
*Earth in the Universe Series* - Space photographs and expert astronomer Danny Faulkner help students understand the concept of a light year, which helps in grasping the size of the Milky Way. Also covers the birth and death of stars, nebulae, pulsars, and black holes. Contains: 1 Disc and In-case Teacher's guide.

Space; Astronomy; Stars

### Stellar Evolution: Lives of the Stars

593494 VH  
S 45 min CA 2001 Schlessinger  
Video Productions  
*Cosmic Odyssey Series* - Closed-captioned. Thanks to a new generation of telescopes known as telescopic ultrasound (cameras sensitive to infrared light) scientists are witnessing stars forming, changing, and dying. Teacher's guide.

Astronomy; Stars; Telescopes

### Stephen Hawking's Universe - Volume 1 (The Big Bang)

590305 DV  
MJSA 120 min CA 1997 PBS Video  
Closed-captioned. Contains Program 1: Seeing is Believing - math and how it revolutionized our view of the universe; Edwin Hubble's invention of the telescope that saw the expansion of the universe; and Ptolemy's theory of the motion of the planets, moon, and sun; as well as Einstein's revolutionized theory of physics. Program 2: The Big Bang - explores the theories of the beginnings of space. Contains: 1 Disc with chapter menus and Web links.

Astronomy; Universe; Space

### Stephen Hawking's Universe - Volume 2

590306 DV  
MJSA 120 min CA 1997 PBS Video  
Closed-captioned. Contains Program 3: Cosmic Alchemy - the creation of matter basics: fire, water, air, and gas, in addition to more complex findings of elements and matter from the creation of the periodic table to Einstein's theory of relativity. Program 4: On the Dark Side - examines the theory that space between the stars is filled by invisible "stuff" Vera Rubin called dark matter. Contains: 1 Disc with chapter menus and Web links.

Space; Astronomy; Universe

## Solar System

### Stephen Hawking's Universe - Volume 3 (Black Holes and Beyond)

590307 DV  
MJSA 120 min CA 1997 PBS Video  
Closed-captioned. Contains Program 5: Black Holes and Beyond - the invention of radio astronomy led to SETI (the Search for Extra-Terrestrial Intelligence). It also led to other discoveries such as black holes and quasars, bizarre objects billions of light years away. Program 6: An Answer to Everything - Hawking and other leading scientists try to answer the question of how the Big Bang began. Contains: 1 Disc with chapter menus and Web links.  
Space; Universe; Astronomy

### Storms, Cyclones, and Hurricanes

596836 DV  
IMJ 10 min CA 2007 New Dimension Media  
*Climate Regions & Weathers of the World Series* - Closed-captioned. Combinations of opposing electrical charges and differences in air temperature and humidity create rotation wind patterns in all storms. Nature and humans have come up with clever adaptations to these events. Contains: 1 Disc and Jacket Teacher's guide.  
Earth Science; Storms; Weather; Seasons; Climate

### The Story of Comets: Children of Stardust

593493 VH  
S 45 min CA 2001 Schlessinger Video Productions  
*Cosmic Odyssey Series* - Closed-captioned. Explore the surprising influence comets have had over life on Earth and follow a space mission sent to collect a sample of comet stardust for analysis. Teacher's guide.  
Comets; Astronomy; Solar System

### Stranger in the Woods

592585 VH  
PI 40 min 2002 North Country Books  
Musical adaptation of children's book. Animals discover a snowman in the woods. Award-winning photography of winter woods and creatures. Includes a 20 minute "behind the scenes" segment.  
Animals - Fiction; Seasons; Winter

### Summer

024917 VH  
PI 16 min 1983 National Geographic Society  
*Four Seasons Series* - Looks at the changes that take place in the summer. Crops develop, forests blossom with new growth and food is abundant.  
Summer; Seasons

### Summer: Nature's Sights and Sounds

022575 VH  
PI 14 min 1983 Maslowski Wildlife Productions  
*Nature's Sights and Sounds Series* - Observe the effect of summer's warmth and abundance on wildlife areas from the far northern tundra to forests in the south.  
Animals; Seasons; Birds; Summer

### Sun

593755 VH  
PI 14 min 2003 Film Ideas Inc  
*What's Up in Space Series* - Shows how the sun works and its key role in sustaining life on this planet. Includes the sun's role in photosynthesis, storms, and climate. Teacher's guide.  
Sun; Solar System

### The Sun

593207 VH  
MJS 23 min 2003 Benchmark Media  
*Earth Science Series* - Images from solar telescopes and 3D animation show how the sun's energy is generated, characteristics of our sun, its composition, and possible future. In-case Teacher's guide.  
Sun-Spots; Astronomy; Sun

### The Sun

I 26 min CA 1994  
*Bill Nye the Science Guy Series* - Closed-captioned. Uses comedy, interviews with scientists, and hands-on experiments to examine the sun. Teacher's guide.  
Stars; Sun

### Sun

026496 VH  
IMJ 23 min CA 1999 Schlessinger Video Productions  
*Space Science in Action Series* - Closed-captioned. Two comical, would-be astronauts study our source of heat and light. Key questions include "What is the sun", How does it shine" and "How does it affect life on Earth"? Includes directions to make a pinhole viewer, Internet resources, and a teacher's guide.  
Space; Stars; Sun

### The Sun and Stars

596029 DV  
S 24 min CA 2006 Films Media Group  
*Cambridge Core Science: Space Science Series* - Closed-captioned. Looks at how stars are born and how they die. Special attention is given to the Sun and its effect on Earth. Includes analysis of starlight and star classification with the Hertzsprung-Russell diagram. Contains: 1 Disc and Teacher's guide.  
Stars; Space; Sun

### Sun, Earth, Moon

023779 VH  
IMJ 20 min 1995 National Geographic Society  
Shows how the interaction of the sun, earth, and moon affect rising and falling tides, changing seasons, and eclipses. Demonstrates the concept of gravity and the effects of Earth's rotation on its axis. Teacher's guide.  
Moon; Astronomy; Sun; Earth; Gravity

### Thirteen Moons on a Turtle's Back

026197 VH  
PIMJS 18 min 1992 Spoken Arts Productions  
Native American cultures celebrate 13 moons of the year. Each moon has its own story, which represents the 13 sections on a turtle's back. The poems are based on native legends. Teacher's guide.  
Burchac, Joseph; Indians of North America - Legends; Poetry; Seasons

### Through the Seasons with Birds: Fall

024187 VH  
P 14 min 1994 Steve Maslowski  
*Through the Seasons with Birds Series* - Looks at bird migration, molting, and other changes fall brings to the habits and behavior of birds.  
Seasons; Birds; Autumn

### Through the Seasons with Birds Series

*For descriptions see individual titles:*  
Through the Seasons with Birds: Fall [024187]  
Through the Seasons with Birds: Summer [024189]  
Through the Seasons with Birds: Winter [024186]

### Through the Seasons with Birds: Summer

024189 VH  
P 14 min 1994 Steve Maslowski  
*Through the Seasons with Birds Series* - Shows a wide variety of birds enjoying the summer. Looks at the different ways that birds keep cool, and the many kinds of nests they build.  
Summer; Seasons; Birds

### Through the Seasons with Birds: Winter

024186 VH  
P 14 min 1994 Steve Maslowski  
*Through the Seasons with Birds Series* - Winter is a season of struggle for many animals including birds. Looks at both migratory and non-migratory birds and examines the ways they keep warm and obtain food.  
Seasons; Winter; Birds

## Solar System

### Time and the Seasons

041355 KT

PI

1996

Contains 4 Books: SEE IT FOR YOURSELF, SNOW AND ICE/by Kay Davies & Wendy Oldfield - Describes the causes and characteristics of ice and snow and looks at their effects on nature; TIME AND THE SEASONS/by Bobbie Kalman & Susan Hughes - Looks at clocks and watches, lunchtime, evening activities, days of the week spring, summer, autumn, winter, and history; EXPLORING TIME/by Gillian Chapman & Pam Robson - Projects using simple classroom materials introduce the concept of time, from minutes on a clock to an entire life span, and its relationship to the outside world; SEASONS ON THE FARM/by Ann Larkin Hansen - Describes how each season of the year affects farmers and the work they do. 2 VHS (Winnie the Pooh Discovers the Seasons - 10:00 and Snowballs & Sandcastles - 9:00); 1 Audio cassette - Winter from Vivaldi's The Four Seasons.

Time; Seasons

### A Tree for All Seasons

045077 BB

P 16 p. 1999 National Geographic Society

Describes how sugar maple trees change from season to season; helps understand terms associated with the maple tree and to distinguish a maple leaf from other trees. Tells how sap is made into maple syrup and how animals use the tree. Guide includes worksheets. Author: Robin Bernard, 1 Big Book, 29 Books, 1 Teacher's guide. Reading level 2, Interest level K-3

Trees; Seasons; Bernard, Robin; Maple Sugar

### Twin Sisters: The Science Series

*For descriptions see individual titles:*  
Space [594506]  
Weather [594501]

### The Universe - A Guided Tour Series

*For descriptions see individual titles:*  
Discovery [590165]  
The Solar System [590167]

### Voyage to the Seas of Mars

596230 DV

S 28 min 2006 Landmark Media  
*Space Exploration Series* - Two NASA rovers and Europe's Mars Express launch an all out probe to find proof that water once flowed across the surface of Mars. Contains: 1 Disc.

Mars (Planet); Astronomy; Planets; Space Exploration

### Way Cool Science Series

*For descriptions see individual titles:*  
Space Trekkers [594548]

### Weather

594501 CD

PI 36 min 1999 Museum Tour

*Twin Sisters: The Science Series* - Learn about weather, seasons, water cycle, and clouds with these 12 informative songs. Includes "What Does a Meteorologist Do?", "Tools to Predict the Weather", "I See an Elephant in the Sky", and more. Contains: 1 Compact Disc and in-case song book.

Water Cycle; Weather; Seasons

### Weather Classroom Series

*For descriptions see individual titles:*  
The Atmosphere [591520]

### Weather for Children Series

*For descriptions see individual titles:*  
All About Climate and Seasons [593137]

### Weather Fundamentals Series

*For descriptions see individual titles:*  
Climate and Seasons [026020]

### Weather Smart Series

*For descriptions see individual titles:*  
Winter and Snow [591706]

### What Are Shooting Stars?

596990 DV

PIM 28 min 2007 Landmark Media  
*Head's Up Series* - Meet astronomers who search the skies for asteroids that can potentially strike the earth and cause massive damage. Visit the crater where one fell over 50 thousand years ago. Contains: 1 Disc.

Meteors; Astronomy

### What Happens When You Fall Into Black Holes?

596991 DV

PIM 28 min 2007 Landmark Media  
*Head's Up Series* - Learn what black holes are, how they form, what would happen if you fell into one, and what would be in there. Learn also about pulsars and neutron stars. Contains: 1 Disc.

Stars; Astronomy; Black Holes (Astronomy)

### What the Moon is Like

591397 BD

NP 1986 Childcraft Education Corp  
1 Book: WHAT THE MOON IS LIKE/ by Dr. Franklin M. Branley. Help young children explore the moon. Covers the appearance of the moon from the Earth (in regards to its surface rather than its changes over the month); the explanations people have given for the appearance of the moon (man in the moon, etc.); and why it really looks that way. Also covers many details about the surface of the moon (including a simple map of the moon's surface marked with the locations of moon landings), its atmosphere, the length of day and night on the moon (and the extreme temperature difference between the two), the difference in gravity on the

moon, etc. A final page offers a few simple moon-related projects and a few related websites for further information. 1 Drawstring bag; 2 Soft sculpture items (1 Astronaut; 1 Spaceship); 1 Teacher's guide.

Planets; Moon; Branley, Dr. Franklin M.; Space

### What's the Universe Made Of?

597576 DV

PIM 28 min 2008 Landmark Media  
*Head's Up II Series* - Scientist Bob MacDonald visits a lab deep underground to learn how scientists are trying to capture dark matter to learn more about the composition of the universe. Chapter Titles: Gravity; Dark Matter; Journey Into Dark; Underground Bubbles/Neutrinos; W.I.M.P.s (Weakly Interacting Massive Particles)/Virgo H121; The Ever Expanding Universe. Contains: 1 Disc.

Space; Astronomy; Gravity; Universe

### What's Up in Space Series

*For descriptions see individual titles:*  
Earth [593756]  
Mars [593758]  
The Moon [593753]  
Planets [593759]  
Stars [593757]  
Sun [593755]

### When Are We Going Back to the Moon?

596507 DV

PIM 28 min 2007 Landmark Media  
*Head's Up Series* - Learn about the new types of rockets that will take people to the moon, about lunar habitat, and prototype for a house on the moon. Robots are going now to explore on behalf of cooperating nations. Imagine life in low gravity and vast temperature changes. Contains: 1 Disc.

Space Travel; Space Flight to the Moon; Moon

### When Can I Go to Mars?

596992 DV

PIM 28 min 2007 Landmark Media  
*Head's Up Series* - Join the Mars Rover on its journey to the "Red Planet". Is there life on Mars? How long until we send humans there? Contains: 1 Disc.

Astronomy; Space Travel; Mars (Planet); Space Exploration

## Solar System

### Where Do Animals Go in Winter?

023785 VH  
P 15 min 1995 National Geographic Society  
Students learn how animals adjust to the cold temperatures and scarcity of food during winter. See how animals change behavior, diet, shelter, and appearance in order to survive. Teacher's guide.

Adaptation (Biology); Animals; Seasons; Camouflage (Biology)

### Where Do Stars Come From?

596994 DV  
PIM 28 min 2007 Landmark Media *Head's Up Series* - Once stars burn out, they recycle to become new stars, planets, or other things. Learn about supernovas and nebulas. Contains: 1 Disc.

Astronomy; Stars

### Where is the Center of the Universe?

596995 DV  
PIM 28 min 2007 Landmark Media *Head's Up Series* - Learn how we progressed from Earth centered theories of the universe to our current understanding. The Hubble telescope and the Planck telescope have helped us expand our knowledge. Contains: 1 Disc.

Universe; Space; Astronomy

### Where's Our Place in Space?

596508 DV  
PIM 28 min 2007 Landmark Media *Head's Up Series* - Learn how tiny we are compared to the rest of the Galaxy. Explains what our galaxy looks like and builds a model of our Solar System that will fit inside a baseball stadium. Contains: 1 Disc.

Astronomy; Stars; Space

### Why Are Planets Round?

596996 DV  
PIM 28 min 2007 Landmark Media *Head's Up Series* - Learn how the force of gravity influences the shapes of planets. Visit a gravity trap and learn about the ultimate gravity trap, a black hole. Contains: 1 Disc.

Gravity; Astronomy; Planets; Black Holes (Astronomy)

### Why Do Comets Have Tails?

596997 DV  
PIM 28 min 2007 Landmark Media *Head's Up Series* - Learn what comets are made of, meet an astronomer who has found new ones and explore comet tails. Contains: 1 Disc.

Comets; Astronomy

### Why Do Some Planets Have Rings

596998 DV  
PIM 28 min 2007 Landmark Media *Head's Up Series* - Fly through the rings of Saturn aboard the Cassini space craft. Is Saturn the only planet with rings? Find out how they form. Contains: 1 Disc.

Astronomy; Solar System; Planets

### Why Do Stars Twinkle?

596999 DV  
PIM 28 min 2007 Landmark Media *Head's Up Series* - Learn how our atmosphere plays a role in what we see. Visit some of the largest telescopes on the planet and see the clearest images of the universe. Contains: 1 Disc.

Space Exploration; Telescopes; Astronomy

### Why is the Sun So Hot?

597000 DV  
PIM 28 min 2007 Landmark Media *Head's Up Series* - Explore how the sun works. Learn how stars are made. Study sunspots, solar flares, solar wind, and more. Contains: 1 Disc.

Sun; Sun-Spots; Solar System; Astronomy

### Winnie the Pooh Discovers the Seasons

020689 VH  
PI 8 min 1981 Walt Disney *Many Adventures of Winnie the Pooh Series* - Winnie-the-Pooh explores the changing of the seasons as he is given a calendar and watches the pages magically turn. Teaches basic science concepts and vocabulary. Teacher's guide jacket.

Seasons; Toys - Fiction; Calendar

### Winter

024919 VH  
PI 15 min 1983 National Geographic Society *Four Seasons Series* - Looks at the changes that take place in the winter. Animals hibernate and food is difficult to find.

Winter; Seasons

### Winter and Snow

591706 VH  
PIMJ 15 min CA 2001 United Learning *Weather Smart Series* - Closed-captioned. Video and animations show the beauty and the power of winter storms. Covers the cause of winter by a change of the Earth's tilt in relation to the sun. Emphasizing personal safety from winter hazards, it explores the vocabulary of winter and includes a wind chill chart to illustrate the principle of heat loss due to wind. Teacher's guide with blackline masters.

Seasons; Snow; Winter; Weather

### Winter Holidays

041251 KT  
PIMJS 1995  
Includes 12 books: WE CELEBRATE WINTER - Multicultural celebration with songs, recipes, activities, and holidays of winter; WE CELEBRATE CHRISTMAS - Multicultural celebration with poetry, songs, activities, and traditions of Christmas; WE CELEBRATE HANUKKAH - Celebration of songs, poetry, activities, foods for Hanukkah; WE CELEBRATE FAMILY DAYS - Multicultural celebration of special days in the family such as birthdays, weddings, and more; WE CELEBRATE NEW YEAR - Multicultural new year celebrations; WE CELEBRATE VALENTINE'S DAY - Multicultural celebration of friendship and love/all by Bobbie Kalman; THE TWELVE DAYS OF CHRISTMAS/by Brian Wildsmith - On each of the twelve days of Christmas, gifts arrive for recipient's true love; CRAFTS FOR CHRISTMAS/by Kathy Ross - Twenty crafts children can make from everyday materials; CRAFTS FOR VALENTINE'S DAY/by Kathy Ross - Twenty crafts children can make from everyday materials; SHARING HANUKKAH/by Janet McDonnell - Visiting his Jewish friend, David hears the story of Hanukkah, tastes food, joins in celebration activities; CELEBRATING VALENTINE'S DAY/by Shelly Nielsen - Rhyming text introduces aspects of this holiday; and PRESIDENT'S DAY/by Laura Alden - Stories and activities for George Washington and Abraham Lincoln. 2 Filmstrips and 2 audio cassettes: "The Small One, Part 1 and Part 2.

Seasons; New Year's Day; Holidays; Hanukkah; Christmas

### Winter: Nature's Sights and Sounds

022574 VH  
PI 14 min 1983 Maslowski Wildlife Productions *Nature's Sights and Sounds Series* - Although the snow, ice and cold weather do threaten the survival of animals, most animals have special ways to face the winter. Discusses hibernation and migration. Tells how some animals continue feeding because food is their fuel to survive the cold.

Animals; Seasons; Birds; Winter

### Wonder Why Series

For descriptions see individual titles: Space [022600]