

Visual Learning Company

Helping teachers teach and students learn, visually.

24
New
Titles

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SCIENCE Videos & Teacher's Guides
CIENCIAS EN ESPAÑOL

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- Journal Reviews
- Online Ordering
- Sample Teacher's Guides
- Wish List
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- Product Descriptions
- Special Offers

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PHONE: Call 1-800-453-8481 to place an order with a purchase order number or credit card, Monday-Friday, 8:30 am–5:00 pm EST.

ONLINE: Order, using our secure online shopping cart, with the following payment methods:

- Credit Card (Visa, Mastercard, and American Express)
- Purchase Order number (Payable by check, electronic funds transfer, or credit card). Enter your educational organization's PO number under Payment Information and proceed to checkout. Purchase orders are billed on net 30-day terms.

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30 Day Money Back Guarantee

VHS available upon request

Visual Learning Company is an independent company owned by educators specializing in the production of high-quality educational science videos, accompanied by teacher's guides or instructor's manuals. All programs are solely produced, supplied and licensed by Visual Learning Company.



DIGITAL SCIENCE

Video Library

Digital Science is a comprehensive collection of digital videos and instructional media that support elementary middle, high school, and introductory college science curriculum. The current collection consists of 200 videos, 200 teacher's guides, over 2000 video clips, 600 animations and 2500 images. Every title is available as a Digital Bundle, which includes the full video and content clips, animations, images, teacher's guide, and metadata.

Digital Science Bundle

new *Media files and flexibility for the same price as our DVDs!*

Purchase any Visual Learning Company title in digital formats! The Digital Science Bundle includes both Windows Media 9 and H.264 video files. These videos can be played in Windows Media Player or QuickTime and downloaded to your portable media device or iPod.

BUNDLE CONTENT

For each title, the digital bundle includes the following content (about 40 files):

- Video: Full show video and content clips in both Windows Media 9 and H.264 (QuickTime and iPod compatible)
- Teacher's Guide: 25-30 pages of lesson plans, assessments, vocabulary, and correlations to standards (.pdf document file)
- Images: 15-20 image slides (.jpg files)
- Metadata: searchable keywords for each clip (.xls data file)

BENEFITS AND USE

Digital videos give you the flexibility to manage your own multimedia content and tailor it your curriculum. Stream videos from a local server, project them in classrooms, play them on computers, or download them onto multiple iPods/iTouch or other portable media devices.

DIGITAL LICENSING AND PRICING

Single school buildings: Price per title is the same as our DVDs for an in perpetuity license.

Multiple schools, districts, regional centers, instructional television or consortia: Licenses are based on K-12 student population and length of terms (annual, multi-year, or in perpetuity). Contact us for a quote.

DELIVERY

Digital bundle media files are delivered on a CD, DVD-R or hard drive. If you want to integrate exciting media formats and technology into your science curriculum then purchasing our videos in digital format is for you!

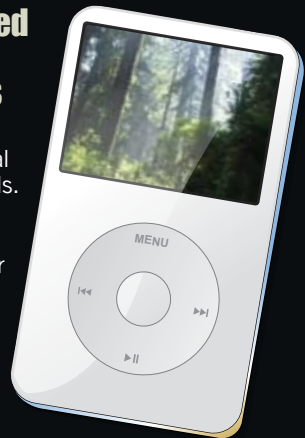
Digital Science Media Assets: K-12 Science Animation and Image Collection

new The Visual Learning Company's K-12 digital science media assets are ideal for use with interactive whiteboards, on-line learning courses, virtual classrooms and video projects. This collection consists of more than 600 animations (H.264 and .WMV) and 3000 images (.JPG) with metadata that includes captions, descriptions, keywords, file paths and thumbnails. The comprehensive metadata enables users to easily integrate learning objects into an existing annotated and searchable media database system. All original images and animations are produced and created by Visual Learning Company ©2000–2010. Call for pricing.

Closed-Captioned Digital Science Videos for iPods

new 36 Closed-Captioned Digital Science titles for iPods. Full shows, chapter breaks with closed-captioning. Perfect for students with hearing impairments or learning disabilities. The following 4-part digital science series are available with closed-captioning:

- Astronomy Series
- Biomes Series
- Earth in Action Series
- Electricity and Magnetism Series
- Human Body Series
- Light, Sound and Waves Series
- Motion, Energy and Forces Series
- Planet Earth Series
- Weather and Climate Series



Fifty-seven titles from the Visual Learning Company science collection have been translated into Spanish. These programs are being widely used by ELL/ESL and Bilingual teachers and in Spanish Immersion and Dual Language Programs.

Each 15-20-minute program includes narration in Spanish and English, subtitles in Spanish, frequent on-screen questions, repetition of vocabulary, clear visual cues for understanding, and video assessment. Every program also includes a high quality 25-30 page teacher's guide with preliminary and post assessments, laboratory investigations, and vocabulary activities in Spanish.

Purchase titles individually or save \$959 when you purchase the entire collection! Spanish translation programs are available in DVD or Digital formats.

Coleccion de Ciencias en Español

Save \$959

VLC246ESP DVD \$3990

57 DVDs and 57 teacher's guides with assessments and activities in Spanish. DVDs include narration in English and Spanish and subtitles in Spanish.

VLC246ESP DIGITAL (Single School License) \$3990

57 Digital Videos and 57 teacher's guides with assessments and activities. Digital videos include narration in Spanish.



EARTH SCIENCE

Climate

El Clima
VLC033ESP..... \$89.95

Earth's Nearest Neighbors*

Los Vecinos Más Cercanos de la Tierra
VLC164ESP..... \$79.95

Earth's Rotation and Revolution*

La Rotación y la Revolución de la Tierra
VLC129ESP..... \$79.95

Earth, Sun, and Moon*

La Tierra, el Sol, y la Luna
VLC047ESP..... \$89.95

Forces Shaping the Earth

Las Fuerzas Que Dan Forma a la Tierra
VLC064ESP..... \$89.95

Our Distant Neighbors*

Nuestros Vecinos Distantes
VLC165ESP..... \$79.95

Plate Tectonics

Placas Tectónicas
VLC062ESP..... \$89.95

Stars and Galaxies*

Estrellas y Galaxias
VLC166ESP..... \$79.95

The Atmosphere

La Atmósfera
VLC032ESP..... \$89.95

The Nature of Weather

La Naturaleza del Clima
VLC034ESP..... \$89.95

Volcanoes and Earthquakes

Volcanes y Terremotos
VLC063ESP..... \$89.95

Water

El Agua
VLC040ESP..... \$89.95

Weather in Action

El Clima En Acción
VLC035ESP..... \$89.95

Weathering and Soils

El Intemperismo y los Suelos
VLC161ESP..... \$89.95

LIFE SCIENCE

Activities of Plants*

Actividades de las Plantas
VLC068ESP..... \$79.95

Cell Processes

Procesos Celulares
VLC023ESP..... \$89.95

Deserts and the Tundra

El Desierto y la Tundra
VLC038ESP..... \$89.95

Ecosystem Dynamics

Dinámica de los Ecosistemas
VLC058ESP..... \$89.95

* Also includes English subtitles

Forests

Los Bosques
VLC039ESP..... \$89.95

Fundamentals of Genetics

Principios de Genética
VLC091ESP..... \$89.95

Genetics in Action

Genética en Acción
VLC092ESP..... \$89.95

Genetics in our Lives

La Genética en Nuestras Vidas
VLC093ESP..... \$89.95

Grasslands

Las Praderas
VLC037ESP..... \$89.95

Heredity

Herencia
VLC090ESP..... \$89.95

Natural Cycles

Ciclos Naturales
VLC059ESP..... \$89.95

People and the Environment

La Gente y el Ambiente
VLC060ESP..... \$89.95

Plant Parts*

Partes de Plantas
VLC067ESP..... \$79.95

Protists

Protistas
VLC024ESP..... \$89.95

The Biosphere

La Biósfera
VLC057ESP..... \$89.95

The Cell

La Célula
VLC022ESP..... \$89.95

Viruses and Monerans

Virus y Moneras
VLC025ESP..... \$89.95

What are Plants?*

¿Que son las Plantas?
VLC066ESP..... \$79.95

PHYSICAL SCIENCE

Atoms

Los Átomos
VLC078ESP..... \$89.95

Bonding

Enlaces Químicos
VLC081ESP..... \$89.95

Compounds in Chemistry

Compuestos Químicos
VLC083ESP..... \$89.95

Electrical Circuits*

Circuitos Eléctricos
VLC146ESP..... \$79.95

Electricity*

Electricidad
VLC145ESP..... \$79.95

Elements, Compounds, and Mixtures

Elementos Compuestos y Mezclas
VLC077ESP..... \$89.95

Energy

La Energía
VLC005ESP..... \$89.95

Force and Newton's Laws

La Fuerzas y la Ley de Newton
VLC003ESP..... \$89.95

Lab Equipment Safety

Seguridad en el Equipo de Laboratorio
VLC118ESP..... \$89.95

Magnets and Electromagnetism*

Imanes y Electromagnetismo
VLC147ESP..... \$79.95

Measuring Length and Temperature

Midiendo Longitud y Temperatura
VLC117ESP..... \$89.95

Measuring Mass and Volume

Midiendo Masa y Volumen
VLC116ESP..... \$89.95

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El Movimiento
VLC002ESP..... \$89.95

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Datos y Observaciones
VLC088ESP..... \$89.95

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Reacciones
VLC082ESP..... \$89.95

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Método Científico
VLC175ESP..... \$79.95

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Máquinas Simples
VLC004ESP..... \$89.95

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Sólidos Líquidos y Gases
VLC076ESP..... \$89.95

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Sonido
VLC019ESP..... \$89.95

The Microscope

El Microscopio
VLC115ESP..... \$89.95

The Nature of Light

La Naturaleza de la Luz
VLC017ESP..... \$89.95

The Periodic Table

La Tabla Periódica
VLC080ESP..... \$89.95

Using Light

Usando la Luz
VLC018ESP..... \$89.95

Waves

Las Ondas
VLC020ESP..... \$89.95

What is Matter?

¿Qué es la Materia?
VLC075ESP..... \$89.95

VISUAL LEARNING COMPANY'S NEWLY REDESIGNED WEBSITE

Sign up for an account and
request free online previews

- Browse Catalog
- Preview Clips or Full Videos
- Explore Digital Science Bundle
- Conduct Keyword Search
- View Extensive Teacher Resources
- Purchase with Credit Card or P.O. Number
- Read Customer Testimonials
- Read Journal Reviews
- Create Wishlists

Mapping the Rock Cycle

Name _____

The rock cycle illustrates the ways rocks change from one form to another. Rocks are constantly undergoing weathering, melting and being altered to form new rocks. The diagram below is a great way to illustrate the connections between these processes.

As you know there are three types of rocks: igneous, metamorphic, and sedimentary. Write the correct word in the blank next to the rock type. Also, place the terms sediments and molten rock in the correct places.

There are several different processes in the rock cycle which cause rocks to change form. Write the terms melting, heat and pressure, compaction and cementation, solidifying, weathering and erosion in the correct blanks. Fill in these terms as you proceed in a clockwise direction on the diagram. Once you have done this you have created a finished map of the rock cycle.



The Rock Cycle 23

Teacher's Guides/Instructor's Manuals

All our videos are accompanied by a time-saving teacher's guide to help reinforce and expand upon the material covered in the video.

TEACHER'S GUIDES FEATURE THE FOLLOWING:

- Lesson plans, designed to strengthen students' reading, writing, and math skills, in addition to enhancing science knowledge
- Lab activities
- Detailed video script
- Correlations to national standards
- Learning objectives
- Pre- and post-tests, which can be used to assess students' progress on learning objectives
- Vocabulary test

Sample teacher's guides can be found at www.visuallearningco.com

Primary Science Collection

Save \$219

Purchase the entire collection of 21 engaging video programs correlated to the curriculum and specifically designed for the K-3 science classroom. These titles include a wide range of topics that include seasons, animals, measuring, scientific method, weather and water.

VLC274 **DVD** \$1250

21 DVDs and 21 Teacher's Guides. Each DVD includes a 10 minute video, chapter index, subtitles, teacher's guides, labeled slides and glossary.

VLC274 **DIGITAL** (Single School License) \$1250

21 Digital Bundles include video files for full shows and content clips in H.264 and .WMV format. Plus images (.jpg), teacher's guides (.pdf) and metadata.

SUMMER ©2011

VLC250 **DIGITAL, DVD** \$69.95

Live-action, colorful footage illustrates the exciting, natural highlights of summer. Additional concepts and terminology: growth, development, seeds, food storage, recreation, and solstice.

FALL ©2011

VLC251 **DIGITAL, DVD** \$69.95

Crisp, colorful video footage illustrates the beautiful and fascinating features of the fall season. Concepts and terminology: autumn, foliage, seed dispersal, migration, hibernation, and harvest.

WINTER ©2011

VLC252 **DIGITAL, DVD** \$69.95

Snow-covered forests, animals foraging for food, and sports provide for an exciting glimpse into the wonders of the winter season. Concepts and terminology include: snow, ice, hibernation, winter sports, and winter solstice.

The Seasons Series

new

Four Videos and Four Teacher's Guides

Featuring on-screen questions, vocabulary, and assessments.

VLC248 **DIGITAL, DVD** \$249

SPRING ©2011

VLC249 **DIGITAL, DVD** \$69.95


This video explores the features of spring, focusing on the unique habits of plants, animals, and people during this season. Additional concepts and terminology: season, sunlight, warmth, hibernation, migration, revolution, axis, and equinox.

- Each 10-minute video includes on-screen quizzes and vocabulary words and is accompanied by a 15-page teacher's guide
- DVD includes chapters, subtitles, slides, and glossary.
- Digital Science titles are iPod compatible and include content clips and metadata.
- Marc Records available.



Animals Series

new

Six Videos and Six Teacher's Guides 

Featuring on-screen questions, vocabulary, and assessments.

VLC253 **DIGITAL, DVD** \$369

WHAT IS A MAMMAL? ©2011

VLC254 **DIGITAL, DVD** \$69.95

From dogs to squirrels to elephants, we are familiar with many different mammals. This video explores some of the fascinating features of this amazing group of animals. Concepts and terminology: backbone, fur, warm-blooded, milk, and live young.

WHAT IS A BIRD? ©2011

VLC255 **DIGITAL, DVD** \$69.95

Vivid, live-action footage of birds from throughout the world illustrate the lives of birds. Concepts and terminology: feathers, wings, skeleton, flight, and eggs.

WHAT IS A REPTILE? ©2011

VLC256 **DIGITAL, DVD** \$69.95

This exciting video uses captivating footage to illustrate the exciting features of snakes, lizards, and turtles in their natural habitats. Concepts and terminology: cold-blooded, scales, shell, and eggs.

WHAT IS AN AMPHIBIAN? ©2011

VLC257 **DIGITAL, DVD** \$69.95

This colorful program explores the fascinating, and changeable features of amphibians. Concepts and terminology: cold-blooded, metamorphosis, frog, tadpole, toad, and salamander.

WHAT IS A FISH? ©2011

VLC258 **DIGITAL, DVD** \$69.95

This lively video investigates the wide, colorful assortment of fish found on the planet. Concepts and terminology: saltwater, freshwater, cold-blooded, fins, backbone, eggs, scales, and gills.

WHAT IS AN INSECT? ©2011

VLC259 **DIGITAL, DVD** \$69.95

This fascinating program takes a look at the major characteristics of familiar and unusual insects that swarm the planet. Concepts and terminology: invertebrate, six legs, and exoskeleton.

Measuring Series

new

Four Videos and Four Teacher's Guides 

Featuring on-screen questions, vocabulary, and assessments.

VLC260 **DIGITAL, DVD** \$249

WHY DO WE MEASURE? ©2011

VLC261 **DIGITAL, DVD** \$69.95

This video illustrates the many everyday ways we measure things, and the importance of measurement in science. Concepts and terminology: length, liquid, mass, scale, temperature, and time.

WEIGHING THINGS ©2011

VLC262 **DIGITAL, DVD** \$69.95

This program explores the interesting and fun process of weighing common objects. Concepts and terminology: matter, mass, weight, scale, and metric system.

HOW TO MEASURE LENGTH ©2011

VLC263 **DIGITAL, DVD** \$69.95

Students will learn how to measure length and distance using common tools in this engaging, colorful program. Concepts and terminology: metric ruler, meter, centimeter, and kilometer.

HOW TO MEASURE VOLUME ©2011

VLC264 **DIGITAL, DVD** \$69.95


This useful video program helps students understand the concept of volume and the exciting ways that it can be measured. Concepts and terminology: liquid, solid, liter, milliliter, cubic centimeter, beaker, and graduated cylinder.





- Each 10-minute video includes on-screen quizzes and vocabulary words and is accompanied by a 15-page teacher's guide
- DVD includes chapters, subtitles, slides, and glossary.
- Digital Science titles are iPod compatible and include content clips and metadata.
- Marc Records available.

Understanding Science Series new

Three Videos and Three Teacher's Guides 

Featuring on-screen questions, vocabulary, and assessments.
VLC265 **DIGITAL, DVD** \$189

WHAT IS SCIENCE? ©2011

VLC266 **DIGITAL, DVD** \$69.95

This instructive video describes what makes science different from other disciplines, while highlighting many exciting science career opportunities. Concepts and terminology: observing, solving problems, health, career, education, and sharing information.

USING THE SCIENTIFIC METHOD ©2011

VLC267 **DIGITAL, DVD** \$69.95

This informative and understandable program uses practical examples to help students understand and use the components of the scientific method. Concepts and terminology: hypothesis, experiment, measuring, data, analysis, and conclusion.


MAKING OBSERVATIONS ©2011

VLC268 **DIGITAL, DVD** \$69.95

This fascinating program demonstrates how to observe and record scientific observations. Concepts and terminology: observation, data, recording, data table, tools, safety, measuring, and graphs.

Weather Series

new

Four Videos and Four Teacher's Guides 

Featuring on-screen questions, vocabulary, and assessments.
VLC269 **DIGITAL, DVD** \$249

THE AIR AROUND US ©2011

VLC270 **DIGITAL, DVD** \$69.95

Often hard-to-understand concepts of air, gases, air pressure, and layers of the atmosphere are plainly explained in this fascinating video. Concepts and terminology: oxygen, nitrogen, layers, weather, jet stream, and northern lights.

OBSERVING WEATHER ©2011

VLC271 **DIGITAL, DVD** \$69.95

Live-action weather footage helps students learn how they can observe the weather. Concepts and terminology: temperature, air pressure, weather systems, precipitation, and wind.

WHAT IS THE WATER CYCLE? ©2011

VLC272 **DIGITAL, DVD** \$69.95

This beautiful program illustrates the key components of the water cycle that occurs everywhere around us. Concepts and terminology: condensation, evaporation, precipitation, cloud, rain, snow, sleet, and hail.

WEATHER SAFETY ©2011

VLC273 **DIGITAL, DVD** \$69.95

Staying safe in all kinds of weather and avoiding weather-related injuries are the focus of this practical video. Concepts and terminology: lightning, tornado, wind, hurricane, and safe shelter.

Complete Elementary Science Collection

Save \$656

The entire collection includes 62 engaging video programs correlated to the curriculum and specifically designed for the classroom. These titles include a wide range of topics that comprehensively cover the entire elementary science curriculum.

VLC130 DVD \$4300

62 DVDs include 15-minute videos with chapter index, subtitles, teacher's guides, labeled slides, glossary, and iMovie project.

VLC130 DIGITAL (Single School License) \$4300

62 Digital Bundles includes video files with full shows and content clips in H.264 and .WMV format. Plus images (.jpg), teacher's guides (.pdf) and metadata.

Elementary Earth Science Collection

Save \$159

Collection includes 17 engaging video programs correlated to the curriculum and specifically designed for the classroom. These titles include a wide range of earth science topics including earth, sun, moon, planets, plate tectonics, weather, water cycle, rocks, minerals, and the rock cycle.

VLC244 DVD \$1200

17 DVDs include 15-minute videos, chapter index, subtitles, teacher's guides, labeled slides, glossary, and iMovie project.

VLC244 DIGITAL (Single School License) \$1200

17 Digital Bundles includes video files for full shows and content clips in H.264 and .WMV format. Plus images (.jpg), teacher's guides (.pdf) and metadata.

- Each 15-minute video includes on-screen quizzes and vocabulary words and is accompanied by a 25-page teacher's guide.
- DVD includes chapters, subtitles, slides, glossary, and iMovie project.
- Digital Science titles are iPod compatible and include content clips and metadata.
 - Marc Records available.

Learning About Rocks and Minerals Series

Four Videos and Four Teacher's Guides

Featuring on-screen questions, vocabulary, and assessments.
VLC208 DIGITAL, DVD \$289

THE ROCK CYCLE ©2007

Video & Teacher's Guide

VLC144 DIGITAL, DVD \$79.95

This program highlights the major characteristics of igneous, sedimentary, and metamorphic rocks and explains the process by which rocks transform from one type to another. Additional concepts and terminology: weathering, erosion, deposition, compaction, cementation, melting, pressure, granite, limestone, marble, shale, slate, molten rock, lava, magma, and sediments.

★★★ *Combining great nature cinematography, relevant vocabulary, and illustrative graphics, this is a solid overview of one of the fundamental subjects in geology.* VIDEO LIBRARIAN – MAR/APR'08

MINERALS ©2008

Video & Teacher's Guide

VLC151 DIGITAL, DVD \$79.95

This program explores the major characteristics of minerals, paying special attention to properties that aid in mineral identification. Additional concepts and terminology: crystal structure, cleavage, fracture, silicate, non-silicate, crystal, element, property, hardness, color, streak, luster, density, magma, molten rock, Mohs hardness scale, mineral formation, and evaporation.

ROCKS ©2008

Video & Teacher's Guide

VLC149 DIGITAL, DVD \$79.95

This program introduces students to the general characteristics of rocks, highlighting the major features of the three rock types: igneous rocks, sedimentary rocks, and metamorphic rocks. Additional concepts and terminology: geology, geologist, texture, grains, mineral composition, lava, magma, sediment, deposition, cementation, compaction, clastic, foliated, and metamorphism.

EXPLORING FOSSILS ©2008

Video & Teacher's Guide

VLC174 DIGITAL, DVD \$79.95

This video explores the fascinating topic of fossils, illustrating the different types of fossils, fossil formation, and the role fossils play in helping scientists understand the past. Additional concepts and terminology: ancient life, imprint, mold, cast, preserved remains, amber fossilization, paleontology, fossil fuels, petrification, and preservation in tar pits.

Forces Shaping the Earth's Surface Series

Four Videos and Four Teacher's Guides

Featuring on-screen questions, vocabulary, and assessments.
VLC209 **DIGITAL, DVD** \$289

WEATHERING AND EROSION ©2008

Video & Teacher's Guide

VLC161 **DIGITAL, DVD** \$79.95

This program illustrates the processes of weathering and erosion, and differentiates between mechanical and chemical weathering. Additional concepts and terminology: abrasion, freezing, thawing, oxidation, agents of erosion, runoff, waves, wind, glaciers, and sediment.

Excellent addition to an elementary or middle school video collection... could also be a resource for secondary special education. NSTA RECOMMENDS MAY'09

LANDFORMS ©2008

Video & Teacher's Guide

VLC162 **DIGITAL, DVD** \$79.95

This program highlights the major landforms and features of North America, focusing on the following breathtaking examples: the Grand Canyon, Interior Plains, and Rocky Mountains. Additional concepts and terminology: relief, plain, interior plain, coastal plain, plateau, mountain, hill, valley, canyon, beach, dune, sea cliff, sea stack, ocean, lake, bay, and river.

PLATE TECTONICS IN ACTION ©2008

Video & Teacher's Guide

VLC173 **DIGITAL, DVD** \$79.95

Through colorful animations and unique video footage, this program illustrates the theory of plate tectonics and the role tectonic plates play in the development of geologic features. Additional concepts and terminology: theory of continental drift, seafloor spreading, mid-ocean ridge, plates, plate boundaries, subduction, convergent boundaries, mountain building, and divergent boundaries.

READING MAPS ©2008

Video & Teacher's Guide

VLC177 **DIGITAL, DVD** \$79.95

This video teaches students how to read maps by highlighting common map features and uses. Additional terminology and concepts: globe, latitude, longitude, scale, symbols, legend, topographic map, road map, contours, relief, satellite image, and global positioning systems.

Exploring Weather and Water Series

Four Videos and Four Teacher's Guides

Featuring on-screen questions, vocabulary, and assessments.
VLC210 **DIGITAL, DVD** \$289

WATER, WATER EVERYWHERE ©2004

Video & Teacher's Guide

VLC069 **DIGITAL, DVD** \$79.95

This video explores some of the important characteristics of water and describes properties of saltwater and freshwater environments. Additional terminology and concepts: water cycle, evaporation, condensation, precipitation, oceans, lakes, rivers, and groundwater.

WEATHER AROUND US ©2007

Video & Teacher's Guide

VLC142 **DIGITAL, DVD** \$79.95

This program introduces students to some of the fundamentals of weather including air pressure, wind, and moisture. The basic principles of cloud formation and precipitation are explored. Important terminology includes: heat energy, atmosphere, troposphere, sun, local winds, global winds, humidity, water vapor, evaporation, condensation, and precipitation.

An excellent introduction to weather for classroom or individualized instruction or home schooling.

SCHOOL LIBRARY JOURNAL – SEP'07

WEATHER ON THE MOVE ©2007

Video & Teacher's Guide

VLC143 **DIGITAL, DVD** \$79.95

In this video, students will learn about key elements responsible for weather formation. The fascinating characteristics of air masses, fronts, tornados, hurricanes, and thunderstorms are also explored. Additional terminology and concepts: warm front, cold front, low pressure, storm surge, cumulonimbus clouds, and lightning.

★★★ *Combining excellent video footage and graphics, the program clearly explains the basic elements of weather formation...Recommended*

VIDEO LIBRARIAN – SEP/OCT'07

THE WATER CYCLE ©2008

Video & Teacher's Guide

VLC148 **DIGITAL, DVD** \$79.95

This program illustrates the continuous process by which water moves through the environment via the water cycle. Additional terminology and concepts: evaporation, condensation, precipitation, transpiration, oceans, clouds, water droplets, rain, snow, hail, and sleet.



Exploring Earth and Space Series

Five Videos and Five Teacher's Guides

Featuring on-screen questions, vocabulary, and assessments.
VLC211 **DIGITAL, DVD** \$349

EXPLORING EARTH, SUN, AND MOON ©2006

Video & Teacher's Guide
VLC128 **DIGITAL, DVD** \$79.95

This video discusses the significant characteristics of Earth, moon, and sun, as well as the phases of the moon and the formation of tides. Additional terminology and concepts: gravity, atmosphere, lunar phase, eclipse, nuclear fusion, corona, sunspot, high tide, low tide, and solar flare.

Live action footage and computer graphics combine to provide a good introduction to the earth, the moon, and the sun. A good addition to astronomy units supporting the national Benchmarks for Science Literacy. SCHOOL LIBRARY JOURNAL – OCT'06

EARTH'S ROTATION AND REVOLUTION ©2006

La Rotación y la Revolución de la Tierra

Video & Teacher's Guide
VLC129 **DIGITAL, DVD** \$79.95

The rotation of Earth on its axis, its revolution around the sun, and the effects of these movements are the focus of this video. Additional terminology and concepts: Earth's tilt, orbit, season, causes of day and night, position of Earth, solstice, and equinox.

Graphics and movie clips will enable students to develop a deeper understanding of concepts such as day and night, the year, seasonal changes, solstices, and equinoxes. NSTA RECOMMENDS MAY'07

EARTH'S NEAREST NEIGHBORS ©2008

Los Vecinos Más Cercanos de la Tierra

Video & Teacher's Guide
VLC164 **DIGITAL, DVD** \$79.95

This video explores the fundamental structure of the solar system and focuses on the characteristics of Mercury, Venus, Earth, and Mars. Additional terminology and concepts: star, planet, gravity, inertia, orbit, ellipse, revolution, and rotation.

- Each 15-minute video includes on-screen quizzes and vocabulary words and is accompanied by a 25-page teacher's guide.
- DVD includes chapters, subtitles, slides, glossary, and iMovie project.
- Digital Science titles are iPod compatible and include content clips and metadata.
- Marc Records available.

OUR DISTANT NEIGHBORS ©2008

Nuestros Vecinos Distantes

Video & Teacher's Guide
VLC165 **DIGITAL, DVD** \$79.95

This program explores the outer planets of the solar system – Jupiter, Saturn, Uranus, and Neptune. Additional terminology and concepts: solar system, planets, orbit, rotation, revolution, asteroid belt, gas giants, Jupiter's Giant Red Spot, moons, rings, axis, Neptune's fierce storms, Pluto, and Charon.

...Great support for an elementary level study of life in the solar system. The DVD's graphics are clear and well sequenced, making them suitable for students at this level. NSTA RECOMMENDS JUN'09

STARS AND GALAXIES ©2008

Estrellas y Galaxias

Video & Teacher's Guide
VLC166 **DIGITAL, DVD** \$79.95

This video discusses the main characteristics of galaxies and stars, paying special attention to the features of stars, including size, temperature, and brightness. Additional terminology and concepts: universe, telescope, satellites, constellations, star color, gas, magnitude, light-year, star life cycle, black hole, and types of galaxies.

...offers a straightforward introduction to basic astronomical concepts and vocabulary. Recommended. VIDEO LIBARIAN – JAN/FEB'09

Spanish
English

Spanish
English

Spanish
English

Spanish
English



Elementary Life Science Collection

Save \$273

Collection includes 25 engaging video programs correlated to the curriculum and specifically designed for the classroom. These titles include a wide range of life science topics including human body, biomes, ecology, plants, animals, microscopic organisms, needs of living things, adaptations, and life cycles.

VLC245 **DVD** \$1725

25 DVDs include 15-minute video, each with a chapter index, subtitles, Teacher's Guide, labeled slides, glossary, and iMovie project.

VLC245 **DIGITAL** (Single School License) \$1725

25 Digital Bundles include video files for full shows and content clips in H.264 and .WMV format. Plus images (.jpg), teacher's guides (.pdf) and metadata.

Investigating the Human Body Series

Five Videos and Five Teacher's Guides 

Featuring on-screen questions, vocabulary, and assessments.

VLC212 **DIGITAL, DVD** \$349

TRAITS AND HEREDITY ©2006

Video & Teacher's Guide 

VLC125 **DIGITAL, DVD** \$79.95

This fast-paced, engaging video discusses the concept of heredity, the process by which genetic material is passed from one generation to the next, and some of the key breakthroughs in the field of genetics. Additional concepts and terminology: generation, inheritance, chromosome, gene, Gregor Mendel, dominance, recessiveness, and DNA.

After watching this brief but thorough look at the field of genetics kids will see their acquired traits in a whole new way. Recommended.

VIDEO LIBRARIAN— NOV/DEC '06

NUTRITION ©2006

Video & Teacher's Guide 

VLC127 **DIGITAL, DVD** \$79.95

This program uses real-life examples to stress critical aspects of nutrition and emphasize healthy eating habits. Additional concepts and terminology: USDA recommendations, digestion, energy, carbohydrates, proteins, fats, water, minerals, vitamins, calories, diet, and food labels.

...this program outlines key terms (such as digestion, carbohydrates, and vitamins), discusses the six essential nutrients, looks at the food labels and the revised food pyramid, and features a few nutritional tips. VIDEO LIBRARIAN JAN/FEB '07

FOOD AND DIGESTION ©2008

Video & Teacher's Guide 

VLC181 **DIGITAL, DVD** \$79.95

This colorful program illustrates the process of digestion, while describing the six major groups of nutrients. Additional concepts and terminology: carbohydrates, fats, proteins, vitamins, minerals, water, balanced diet, chemical digestion, mechanical digestion, digestive system, saliva, teeth, esophagus, stomach, small intestine, large intestine, and liver.

MOVING MUSCLES AND BONES ©2008

Video & Teacher's Guide 

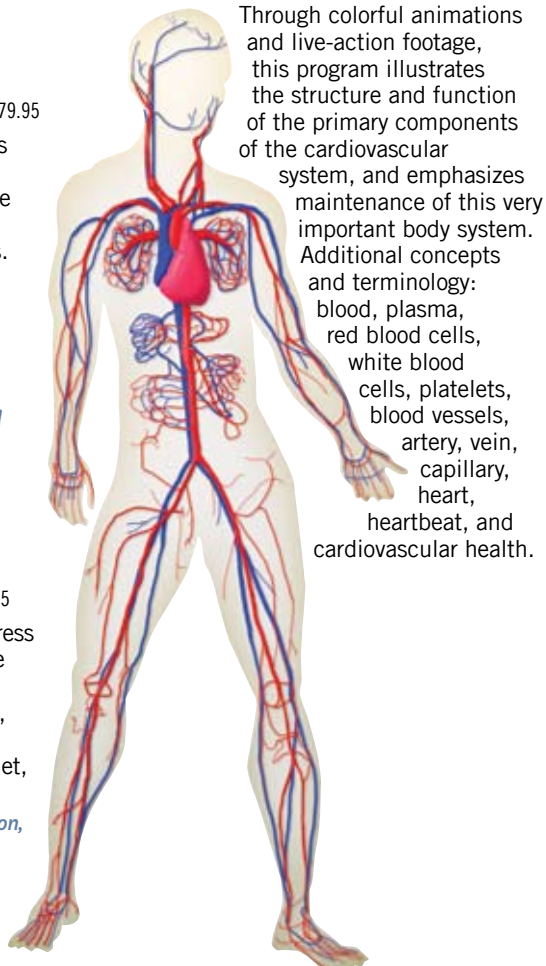
VLC182 **DIGITAL, DVD** \$79.95

This action-oriented program explores different bones and joints found in the body, while also illustrating the three primary types of muscle tissue – smooth, cardiac, and skeletal. Additional concepts and terminology: skeletal system, cartilage, ligaments, bone and joint injuries, involuntary and voluntary muscles, tendons, and caring for muscles.

BLOOD AND CIRCULATION ©2008

Video & Teacher's Guide 

VLC183 **DIGITAL, DVD** \$79.95



Biomes of the World Series

Five Videos and Five Teacher's Guides

Featuring on-screen questions, vocabulary, and assessments.
VLC213 **DIGITAL, DVD** \$349

EXPLORING DESERT BIOMES ©2009

Video & Teacher's Guide

VLC186 **DIGITAL, DVD** \$79.95

This video explores the characteristics of deserts and the adaptations plants and animals possess in order to thrive in these climates. Additional concepts and terminology: biome, climate, desert locations, soil, desert pavement, adaptations, cactus, javelina, and the Sonoran, Gobi, Sahara, Mojave, and Chihuahuan deserts.

EXPLORING GRASSLAND BIOMES ©2009

Video & Teacher's Guide

VLC187 **DIGITAL, DVD** \$79.95

This video highlights the types of grasslands found throughout the world, the plants and animals that inhabit them and the changes in grasslands over time. Additional concepts and terminology: grasses; prairie; temperate, tropical, California, intermountain, and desert grasslands; savannas; and shortgrass, mixed, and tallgrass prairies.

... a good introduction to or review of grassland biomes. *SCHOOL LIBRARY JOURNAL* – FEB'10

EXPLORING FOREST BIOMES ©2009

Video & Teacher's Guide

VLC188 **DIGITAL, DVD** \$79.95

Using vivid footage filmed around North America, this video explores the characteristics, locations, and inhabitants of the three main types of forests – deciduous, coniferous, and rainforests. Additional concepts and terminology: biome, rainfall, climate, deciduous tree, coniferous tree, taiga, tropical and temperate rainforests, and epiphyte.

EXPLORING MARINE BIOMES ©2009

Video & Teacher's Guide

VLC189 **DIGITAL, DVD** \$79.95

The fascinating marine biome covers more than 70 percent of Earth's surface. Colorful video footage illustrates the physical and biological features of this vast biome. Additional concepts and terminology: oceans, salinity, currents, ocean zones, benthos, plankton, nekton, and estuary.

EXPLORING FRESHWATER BIOMES ©2009

Video & Teacher's Guide

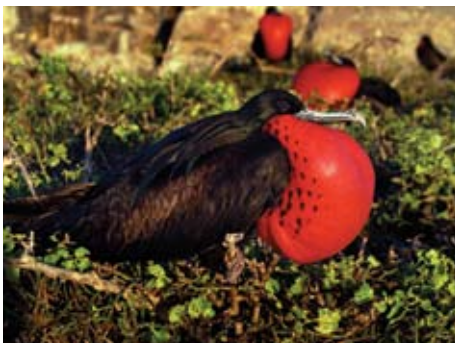
VLC190 **DIGITAL, DVD** \$79.95

Breathtaking footage introduces students to different types of freshwater biomes. Emphasis is given to the characteristics and life forms of freshwater environments. Additional concepts and terminology: salt water, fresh water, lakes, ponds, rivers, streams, wetlands, swamps, marshes, and uses of fresh water.

Green Insights Series

Three Videos and Three Teacher's Guides

Featuring on-screen questions, vocabulary, and assessments.
VLC214 **DIGITAL, DVD** \$219



ECOLOGY FUNDAMENTALS ©2006

Video & Teacher's Guide

VLC124 **DIGITAL, DVD** \$79.95

This colorful video introduces students to some of the fundamental principles in ecology – the study of how living things interact with each other and their environment. Additional concepts and terminology: connections between living and non-living things, ecosystem, community, population, habitat, niche, biotic and abiotic factors, producer, consumer, decomposer, predator, prey, energy, and food chain.

...focuses on the relationship of animals and organisms to each other and to their environment through clear, colorful, live-action photography. Teachers will find this program useful for environment and animal units. *SCHOOL LIBRARY JOURNAL* – OCT'06

ENVIRONMENTAL PROBLEMS AND SOLUTIONS ©2008

Video & Teacher's Guide

VLC176 **DIGITAL, DVD** \$79.95

This video introduces students to the important role the environment plays in our everyday lives, highlighting ways the environment is being harmed and offering sustainable solutions. Additional concepts and terminology: ecology, natural environment, extinction, natural resources, sustainability, recycling, alternative resources, pollution, overpopulation, global warming, fossil fuels, energy, and energy alternatives.

INVESTIGATING EARTH'S NATURAL RESOURCES ©2008

Video & Teacher's Guide

VLC178 **DIGITAL, DVD** \$79.95


This program investigates different types of natural resources, and explores problems and solutions related to their use. Additional terminology and concepts: renewable and non-renewable resources, energy resources, fossil fuels, solar energy, mineral resources, pollution, scarce resources, resource alternatives, and resource sustainability.

Investigating the Living World Series

Five Videos and Five Teacher's Guides 

Featuring on-screen questions, vocabulary, and assessments.
VLC215 **DIGITAL, DVD** \$349

CLASSIFYING LIVING THINGS ©2005

Video & Teacher's Guide 

VLC073 **DIGITAL, DVD** \$79.95

This lively video emphasizes the importance of classifying living things, and some of the criteria scientists use when classifying. Additional concepts and terminology: scientific name, genus, species, characteristics, kingdom, bacteria, Eubacteria, Archaeobacteria, protist, algae, fungi, plants, photosynthesis, ferns, conifers, flowering plants, animal, vertebrate, and invertebrate.

SIMPLE ANIMALS ©2008

Video & Teacher's Guide 

VLC172 **DIGITAL, DVD** \$79.95

Invertebrate animals and their body structure and characteristics are the focus of this engaging video. Additional concepts and terminology: vertebrate, symmetry, porifera, flatworm, planaria, annelids, cnidaria, arthropods, exoskeleton, and echinoderms.

COMPLEX ANIMALS ©2008

Video & Teacher's Guide 

VLC167 **DIGITAL, DVD** \$79.95

This colorful and fast-paced program brings to life the characteristics of the major vertebrate groups: fishes, amphibians, reptiles, birds, and mammals. Additional concepts and terminology: animals, invertebrate, cold-blooded, warm-blooded, gills, metamorphosis, and characteristics of mammals.

CELLS ©2008

Video & Teacher's Guide 

VLC168 **DIGITAL, DVD** \$79.95

This program use animations and micrographs to investigate the basic building blocks of life, focusing on the structure, activities, and types of cells. Additional concepts and terminology: animal cell, cell membrane, nucleus, cytoplasm, plant cell, photosynthesis, cell wall, chloroplasts, organelles, cell theory, role of cells in the body, mitosis, cell growth, and respiration.

A good introduction to a unit on cells.

SCHOOL LIBRARY JOURNAL – DEC'09


MICROSCOPIC LIFE ©2008

Video & Teacher's Guide 

VLC169 **DIGITAL, DVD** \$79.95

This video explores the fascinating world of microscopic life, paying special attention to viruses, bacteria, and protists. Additional concepts and terminology: microscope; vaccine; moneran; decomposition; amoeba; phytoplankton; yeast; algae; paramecium; protozoa; and plant-like, animal-like, and fungus-like protists.


Amazing Plants Series

Three Videos and Three Teacher's Guides 

Featuring on-screen questions, vocabulary, and assessments.
VLC216 **DIGITAL, DVD** \$219

WHAT ARE PLANTS? ©2004

¿Que son las Plantas?

Video & Teacher's Guide 

VLC066 **DIGITAL, DVD** \$79.95


This program surveys the amazing diversity of plants and explores characteristics common to most plants. Additional concepts and terminology: photosynthesis, cell walls, oxygen, fruits, vegetables, seeds, and spores.

...this is a solid choice for science classrooms.

BOOKLIST – DEC'04

PLANT PARTS ©2004

Partes de Plantas

Video & Teacher's Guide 


VLC067 **DIGITAL, DVD** \$79.95

In this program, students will explore the basic parts and functions of plants, including the stem, roots, and leaves. Additional concepts and terminology: tap root, fibrous root, sap, and nutrients.



ACTIVITIES OF PLANTS ©2004

Actividades de las Plantas

Video & Teacher's Guide 

VLC068 **DIGITAL, DVD** \$79.95

This video investigates several important activities vital to the success of all plants, including photosynthesis, reproduction, growth, and germination. Additional concepts and terminology: flower, pistil, stamen, pollen, and pollination.

- Each 15-minute video includes on-screen quizzes and vocabulary words and is accompanied by a 25-page teacher's guide.
- DVD includes chapters, subtitles, slides, glossary, and iMovie project.
- Digital Science titles are iPod compatible and include content clips and metadata.
- Marc Records available.



The Nature of Living Things Series

Four Videos and Four Teacher's Guides

Featuring on-screen questions, vocabulary, and assessments.

VLC217 **DIGITAL, DVD** \$289

LIFE CYCLES ©2008

Video & Teacher's Guide

VLC150 **DIGITAL, DVD** \$79.95

This program takes a look at the life cycles of living organisms, specifically focusing on the fascinating changes plants and animals go through over the course of their lives. Additional concepts and terminology: egg, fertilization, growth, reproduction, complete and incomplete metamorphosis, stage, germination, photosynthesis, pollination, larva, pupa, nymph, and adult.

ADAPTATIONS ©2008

Video & Teacher's Guide

VLC152 **DIGITAL, DVD** \$79.95

This award-winning program explores the wide range of adaptations living things exhibit, including adaptations for obtaining food, finding a mate, and escaping predators. Additional concepts and terminology: behavioral and structural adaptations, characteristics, environment, competition, migration, survival, predators, carnivores, and herbivores.

Best of Show Award NATIONAL MEDIA MARKET – OCT'07

- Each 15-minute video includes on-screen quizzes and vocabulary words and is accompanied by a 25-page teacher's guide.
- DVD includes chapters, subtitles, slides, glossary, and iMovie project.
- Digital Science titles are iPod compatible and include content clips and metadata.
- Marc Records available.

NEEDS OF LIVING THINGS ©2008

Video & Teacher's Guide

VLC163 **DIGITAL, DVD** \$79.95

Live-action footage illustrates the characteristics and needs common to living things in this exciting program. Additional concepts and terminology: cells, metabolism, food, movement, growth, reproduction, stimuli, habitat, resources, water, proper temperature, and air.

ANIMAL BEHAVIOR ©2008

Video & Teacher's Guide

VLC184 **DIGITAL, DVD** \$79.95

Animals engage in a variety of behaviors throughout their lives. This program explores animal behavior and gives special attention to specific types of behaviors, such as obtaining food, avoiding predators, and finding a mate. Additional concepts and terminology: stimulus, response, survival behavior, instinctive behavior, learned behavior, cyclic behavior, migration, seasonal behavior, social behavior, courtship behavior, and communication.

Examples show animals engaged in respective behaviors that reinforce the concepts... this practical classroom resource is correlated to the National Science Education Standards.

BOOKLIST DECEMBER '08



Elementary Physical Science Collection

Save \$199

Collection includes 20 engaging video programs correlated to the curriculum and specifically designed for the classroom. These titles cover a wide range of physical science topics including matter, energy, electricity, chemistry, measuring, motion, sound, and light.

VLC243 DVD \$1400

20 DVDs include 15-minute videos, with chapter index, subtitles, Teacher's Guides, labeled slides, glossary, and iMovie project.

VLC243 DIGITAL (Single School License) \$1400

20 Digital Bundles include video files for full shows and content clips in H.264 (for iPods) and .WMV format. Plus images (.jpg), teacher's guides (.pdf) and metadata.

Matter and Chemistry Series

Seven Videos and Seven Teacher's Guides

Featuring on-screen questions, vocabulary, and assessments.

VLC218 DIGITAL, DVD \$479

DESCRIBING MATTER AND ITS PROPERTIES ©2009

Video & Teacher's Guide

VLC191 DIGITAL, DVD \$79.95

Matter is everywhere around us. This colorful video uses everyday examples to illustrate how matter is described, observed, and measured. Additional concepts and terminology: mass, weight, volume, density, hardness, texture, shape, flammability, size, and physical and chemical properties of matter.

THE CHANGING PHASES OF MATTER ©2009

Video & Teacher's Guide

VLC192 DIGITAL, DVD \$79.95

In this program, students will witness how a substance, such as water, can exist in several dramatically different phases. Easy-to-understand examples illustrate how phase changes occur. Additional concepts and terminology: states of matter, particles, solid, liquid, gas, plasma, melting, freezing, vaporization, boiling, evaporation, condensation, and sublimation.

INVESTIGATING MIXTURES, SOLUTIONS, ELEMENTS, AND COMPOUNDS ©2009

Video & Teacher's Guide

VLC193 DIGITAL, DVD \$79.95

Vivid video footage and everyday examples help students understand and differentiate mixtures, solutions, elements, and compounds. Additional concepts and terminology: element, pure substance, properties, atoms, molecule, compounds, types of mixtures, suspension, colloid, and alloy.

EXPLORING THE BUILDING BLOCKS OF MATTER ©2009

Video & Teacher's Guide

VLC194 DIGITAL, DVD \$79.95

Colorful animations highlight the major features of atoms, often referred to as the building blocks of matter. Special attention is given to the arrangement and models of atoms. Additional concepts and terminology: atomic theory, model of atom, element, nucleus, protons, neutrons, electrons, atomic number, atomic mass, electron cloud, isotope, and modern periodic table.

...a solid overview of basic atomic theory.

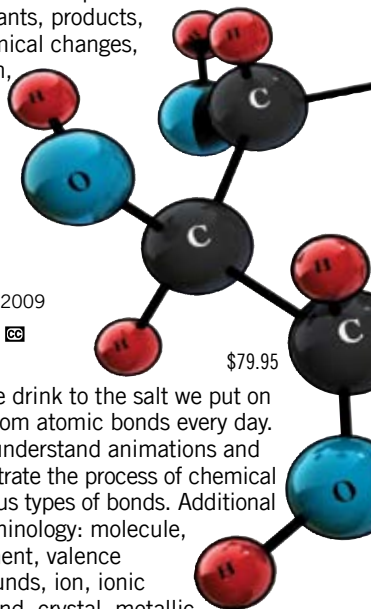
VIDEO LIBRARIAN - DEC '09

INVESTIGATING CHEMICAL REACTIONS ©2009

Video & Teacher's Guide

VLC195 DIGITAL, DVD \$79.95

From cooking food to enjoying the warmth of a fire, we use chemical reactions every day. This exciting video highlights the major characteristics and types of chemical reactions. Additional concepts and terminology: reactants, products, physical and chemical changes, chemical equation, reaction rate, and indicators of chemical reactions.



FORMING BONDS ©2009

Video & Teacher's Guide

VLC196 DIGITAL, DVD \$79.95

From the water we drink to the salt we put on food, we benefit from atomic bonds every day. Colorful, easy-to-understand animations and video footage illustrate the process of chemical bonding and various types of bonds. Additional concepts and terminology: molecule, electron arrangement, valence electrons, compounds, ion, ionic bond, covalent bond, crystal, metallic bond, and organic compound.

SOLUTIONS AT WORK ©2009

Video & Teacher's Guide

VLC197 DIGITAL, DVD \$79.95

Engaging footage illustrates the types, characteristics, and uses of solutions, paying special attention to solutions we use every day. Additional concepts and terminology: solution, suspension, solute, solvent, water, concentration, solubility, saturated and unsaturated solutions, pH, acids, and bases.

...this well organized program explains the characteristics and terminology of solutions.

BOOKLIST - DEC '09

Motion, Machines, and Fluids Series

Three Videos and Three Teacher's Guides

Featuring on-screen questions, vocabulary, and assessments.
VLC219 **DIGITAL, DVD** \$219

THINGS IN MOTION ©2004

Video & Teacher's Guide

VLC070 **DIGITAL, DVD** \$79.95

In this fast-paced video, real-life examples demonstrate the hard-to-understand concepts of motion and force. Additional concepts and terminology: work, friction, gravity, mass, and acceleration.

Designed and produced by former classroom science teachers, this is a no-nonsense approach to understanding the concept of motion...This unit of study would be an educationally sound addition to elementary science classrooms.

SCHOOL LIBRARY JOURNAL – SEP'04

EVERYDAY SIMPLE MACHINES ©2007

Video & Teacher's Guide

VLC136 **DIGITAL, DVD** \$79.95

This program highlights the six major types of simple machines and explains how each works and makes our lives easier. Additional concepts and terminology: lever, inclined plane, wedge, screw, wheel and axle, pulley, compound machine, work, effort, force, and mechanical advantage.

Narrator presents the information in a well-paced, easy-to-understand manner...excellent introduction to a basic science concept will fit nicely into any science curriculum dealing with simple machines.

SCHOOL LIBRARY JOURNAL – SEP'07

FORCES IN FLUIDS ©2008

Video & Teacher's Guide

VLC179 **DIGITAL, DVD** \$79.95

Using colorful animations, this video explores the fascinating characteristics of fluids. Additional concepts and terminology: pressure, fluid pressure, air pressure, elevation, depth, Pascal's principle, hydraulic systems, buoyancy, density, and Bernoulli's principle.



Sound and Light Series

Three Videos and Three Teacher's Guides

Featuring on-screen questions, vocabulary, and assessments.
VLC220 **DIGITAL, DVD** \$219

LIGHT ©2004

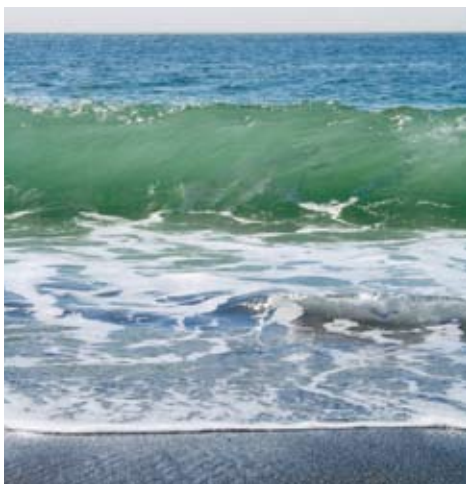
Video & Teacher's Guide

VLC071 **DIGITAL, DVD** \$79.95

This program introduces students to the interesting properties of light, illustrating how light works and is measured. Additional concepts and terminology: wave, electromagnetic spectrum, wavelength, energy, reflection, lens, and prism.

An excellent resource for science classrooms.

BOOKLIST – DEC'04



THE NATURE OF WAVES ©2008

Video & Teacher's Guide

VLC170 **DIGITAL, DVD** \$79.95

This video uses real-life examples to explain how waves move and travel through different mediums. Additional concepts and terminology: energy, wave, medium, types of waves, transverse waves, longitudinal waves, amplitude, wavelength, frequency, wave interaction, reflection, and refraction.

A useful supplement to the topic.

SCHOOL LIBRARY JOURNAL – DEC'09

WHAT IS SOUND? ©2008

Video & Teacher's Guide

VLC171 **DIGITAL, DVD** \$79.95

This program explores different features of sound waves and important characteristics of sound, including intensity, loudness, pitch, and frequency. Additional concepts and terminology: vibrations, amplitude, volume, how sound travels, uses of sound energy, speed of sound, and how we hear sounds.


★★★ *Another solid title from Visual Learning Company's Elementary Physical Science collection. Recommended. VIDEO LIBRARIAN – JUN'09*

Energy Fundamentals Series

Five Videos and Five Teacher's Guides 

Featuring on-screen questions, vocabulary, and assessments.
VLC221 **DIGITAL, DVD** \$349

HEAT AND ENERGY ©2004

Video & Teacher's Guide 

VLC072 **DIGITAL, DVD** \$79.95

This video introduces students to several forms of energy, including heat energy, and explores how molecular movement relates to temperature. Additional concepts and terminology: thermometer, thermal energy, molecules, conductors, and insulators.


This excellent introduction to the concepts of heat and energy is a must-have for fourth and fifth grade media centers and science departments.

SCHOOL LIBRARY JOURNAL – OCT '04

ELECTRICITY ©2008

Electricidad

Spanish
English

Video & Teacher's Guide 

VLC145 **DIGITAL, DVD** \$79.95


This video explores the fundamental concepts of electrical energy, including electrical charge and electric current. Additional concepts and terminology: static electricity, lightning, protons, electrons, neutrons, repel, attract, charges, charged objects, electrical discharge, conductor, and insulator.

★★★ *Nicely illustrating key terms and concepts, this solid introduction to electricity aimed at young audiences is recommend.* VIDEO LIBRARIAN – MAR/APR '09

ELECTRICAL CIRCUITS ©2008

Circuitos Eléctricos

Spanish
English

Video & Teacher's Guide 

VLC146 **DIGITAL, DVD** \$79.95

Colorful imagery illustrates how electric current moves through electrical circuits, the various parts of electrical circuits, and differentiates between parallel and series circuits. Additional concepts and terminology: ground, circuit breaker, electrical safety, resistance, switch, fuse, short circuit, and shock.

MAGNETS AND ELECTROMAGNETISM ©2008

Imanes y Electromagnetismo


Spanish
English

Video & Teacher's Guide 

VLC147 **DIGITAL, DVD** \$79.95

This fascinating program explores properties of magnets, magnetic force, and electromagnetism, with real-life examples shown throughout. Additional concepts and terminology: bar and horseshoe magnets, magnetic poles, magnetic fields, Earth as a magnet, electric motor, generator, and solenoid.

EXPLORING ENERGY ©2008


Video & Teacher's Guide 

VLC180 **DIGITAL, DVD** \$79.95

This program differentiates between potential and kinetic energy, demonstrates different forms of energy, and explores energy conversions. Additional concepts and terminology: law of conservation of energy, mechanical energy, thermal energy, chemical energy, electrical energy, electromagnetic energy, and nuclear energy.

- Each 15-minute video includes on-screen quizzes and vocabulary words and is accompanied by a 25-page teacher's guide.
 - DVD includes chapters, subtitles, slides, glossary, and iMovie project.
 - Digital Science titles are iPod compatible and include content clips and metadata.
- Marc Records available.

Science Inquiry Series

Two Videos and Two Teacher's Guides 

Featuring on-screen questions, vocabulary, and assessments.
VLC222 **DIGITAL, DVD** \$149

MEASURING ©2006

Video & Teacher's Guide 

VLC126 **DIGITAL, DVD** \$79.95

This video demonstrates how to measure length, mass, volume, and temperature, and emphasizes the importance of the metric system in science. Additional concepts and terminology: unit of measurement, meter stick, metric ruler, balance, graduated cylinder, and thermometer.

Introduces young viewers to the metric system... and the four main types of measurement: length, mass, volume, and temperature...Recommended.

VIDEO LIBRARIAN – NOV/DEC '06

SCIENTIFIC METHOD ©2008

Método Científico

Spanish
English

Video & Teacher's Guide 

VLC175 **DIGITAL, DVD** \$79.95

This video introduces students to the scientific method and uses real-life examples to outline the various steps in this vital scientific process. Additional concepts and terminology: measuring, control, hypothesis, variables, experiment, data, recording, data table, graph, data analysis, and conclusions.

A valuable resource for teaching this topic...

SCHOOL LIBRARY JOURNAL – DEC '09

Complete Middle School Science Collection

Save \$2420

Save when you purchase the entire collection of 100 engaging middle school video programs correlated to the curriculum and specifically designed for the classroom. These titles include a wide range of topics that comprehensively cover the entire middle school science curriculum.

VLC123 DVD \$6575

DVDs include 100 videos and 100 teacher's guides, plus chapter index, glossary, slides and subtitles, and a 30-page Teacher Guide.

VLC123 DIGITAL (Single School License) \$6575

100 Digital Bundles include video files for full shows and content clips in H.264 and .WMV format. Plus images (.jpg), teacher's guides (.pdf) and metadata.

Middle School Earth Science Collection

Save \$720

This collection includes 28 engaging video programs correlated to the curriculum and specifically designed for the classroom. These titles include a wide range of earth science topics including volcanoes, earthquakes, plate tectonics, geologic history, rocks, minerals, weather, and astronomy.

VLC121 DVD \$1799

DVDs include 28 videos and 28 teacher's guides, plus chapter index, glossary, slides and subtitles.

VLC121 DIGITAL (Single School License) \$1799

28 Digital Bundles includes video files for full shows and content clips in H.264 (for iPods) and .WMV format. Plus images (.jpg), teacher's guides (.pdf) and metadata.

- Series include four 20-minute videos and four 30-page teacher's guides.
- DVD includes chapters, subtitles, slides, glossary, and iMovie project.
- Digital Science titles are iPod compatible and include content clips and metadata.
- Marc Records available.

Natural Resources Series

Four Videos and Four Teacher's Guides

Featuring on-screen questions, vocabulary, and assessments.

VLC137 DIGITAL, DVD \$299

EARTH'S NATURAL RESOURCES ©2007

VLC138 DIGITAL \$89.95

This program provides an overview of the wide range of Earth's natural resources. Additional terminology and concepts: renewable and nonrenewable energy resources, solar energy, fossil fuels, mineral resources, recycle, reuse, scarce resources, pollution, and resource sustainability.

EVERYDAY NATURAL RESOURCES ©2007

VLC139 DIGITAL \$89.95

This video discusses the ways we use nonrenewable and renewable resources on a daily basis. Additional terminology and concepts: environmental degradation, fresh water, fossil fuels, smog, acid rain, land use, soil, minerals, extinction, air and water resources, perpetual resources, solar and wind energy, and nonpolluting resources.

ENERGY RESOURCES ©2007

VLC140 DIGITAL \$89.95

This video explores the wide range of energy resources, including crude oil, natural gas, coal, nuclear energy, moving water, biomass, solar energy, wind energy, and geothermal energy. Additional terminology and concepts: sustainable energy, acid rain, greenhouse gases, global warming, alternative energy, turbines, radioactive waste, hydropower, passive solar, photovoltaic cells, and wind turbines.

SUSTAINABILITY AND NATURAL RESOURCES ©2007

VLC141 DIGITAL \$89.95

This program focuses on things all of us can do to increase natural resource efficiency and work toward resource sustainability. Additional terminology and concepts: conservation, reuse, inefficiency, incentives, waste reduction, throwaway society, recycling, hazardous waste, landfill, and resource contamination.

★★★ *Boasting outstanding photography, skillful writing, and solid editing, this is highly recommended.*

VIDEO LIBRARIAN – NOV/DEC '07

Earth in Action Series

Spanish
English

Four Videos and Four Teacher's Guides
Featuring on-screen questions, vocabulary, and assessments.
VLC061 **DIGITAL, DVD** \$299

...extremely well done series uses excellent live-action footage and computer graphics to hold the viewer's attention. SCHOOL LIBRARY JOURNAL – FEB '04

PLATE TECTONICS ©2003

Placas Tectónicas

VLC062 **DIGITAL, DVD** \$89.95

This program investigates the fascinating theory of plate tectonics and explores the discoveries that led to its formation. Special attention is given to the impact of tectonic forces on the creation of Earth's geologic features. Additional terminology and concepts: fossils, continental drift, Pangaea, tectonic plates, plate boundaries, mountain building, folding, faulting, ocean floor magnetic fields, seafloor spreading, and landforms.

VOLCANOES AND EARTHQUAKES ©2003

Volcanes y Terremotos

VLC063 **DIGITAL, DVD** \$89.95

Two of the most powerful forces on Earth – earthquakes and volcanoes – are highlighted in this video. Additional terminology and concepts: molten rock, magma, lava, cinder cone, shield volcano, composite volcano, caldera, Ring of Fire, seismic waves, seismograph, and Richter scale.

FORCES SHAPING THE EARTH ©2003

Las Fuerzas Que Dan Forma a la Tierra

VLC064 **DIGITAL, DVD** \$89.95

This program beautifully illustrates the powerful agents of erosion and mass movement responsible for sculpting Earth's surface. Additional terminology and concepts: deposition, creep, slump, landslide, alluvial fan, delta, stream erosion, wave erosion, ice erosion, glaciers, glacial deposits, wind erosion, and wind deposits.

WEATHERING AND SOILS ©2003

El Intemperismo y los Suelos

VLC065 **DIGITAL, DVD** \$89.95

In this program, students learn about the major types of weathering, as well as the processes by which soil is formed. Additional terminology and concepts: mechanical weathering, chemical weathering, oxidation, carbonation, soil formation, soil texture, horizons, soil type, soil profile, subsoil, soil conservation, and groundwater.

Geologic History Series

Four Videos and Four Teacher's Guides
Featuring on-screen questions, vocabulary, and assessments.
VLC099 **DIGITAL, DVD** \$299

A JOURNEY THROUGH GEOLOGIC TIME ©2005

VLC100 **DIGITAL** \$89.95

In this program, students will take a fascinating tour through geologic time, visiting the major eras of geologic history. Additional terminology and concepts: period, rock layering, Precambrian, Paleozoic, Mesozoic, Cenozoic, absolute age, and relative age.

EARTH'S CHANGING SURFACE ©2005

VLC101 **DIGITAL** \$89.95

This video highlights the amazing ways Earth has changed over time, and explores the relationship between past geologic events and the Earth we see today. Additional terminology and concepts: continental drift, volcanic activity, tectonic plates, plate boundaries, mountain building, folding, faulting, landforms, molten rock, and lava.



FOSSILS ©2005

VLC102 **DIGITAL** \$89.95

This program includes detailed descriptions of the different ways fossils are formed and explains how they provide a glimpse into the past. Additional terminology and concepts: fossil fuels, mold, cast, imprint, petrification, index fossil, trace fossil, and paleontology.

GEOLOGY OF NORTH AMERICA ©2005

VLC103 **DIGITAL** \$89.95

This video explores the breathtaking geologic features of the North American continent and the forces that create them. Additional terminology and concepts: volcanoes, orogeny, glaciation, erosion, deposition, plate tectonics, plateaus, faulting, and plains.

Aimed at middle school students, this topnotch four-part introduction to the study of geology covers major topics outlined in the National Science Education Standards....Another first-rate addition to the Visual Learning Company's library of quality science curriculum series. VIDEO LIBRARIAN – MAR/APR '06

Rocks and Minerals Series

Four Videos and Four Teacher's Guides

Featuring on-screen questions, vocabulary, and assessments.
VLC026 **DIGITAL, DVD** \$299

MINERALS AND THEIR PROPERTIES ©2001

VLC027 **DIGITAL** \$89.95

This program highlights the formation and identification of minerals, the major mineral groups, basic crystal systems, and physical properties of minerals. Additional terminology and concepts: chemical structure of minerals, inorganic, organic, luster, streak, color, cleavage, fracture, specific gravity, hardness, Mohs scale, ore, metals, and gemstones.

ROCKS AND THE ROCK CYCLE ©2001

VLC028 **DIGITAL** \$89.95

This video explores the three primary types of rocks and illustrates the rock cycle with clear and easy-to-understand animations. Additional terminology and concepts: igneous, metamorphic, sedimentary, rock characteristics, texture, weathering, deposition, compaction, cementation, and mineral composition.

IGNEOUS AND METAMORPHIC ROCKS ©2001

VLC029 **DIGITAL** \$89.95

This video explains how heat, pressure, and chemical reactions lead to the formation of igneous and metamorphic rocks. The classification and everyday uses of igneous and metamorphic rocks are also highlighted. Additional terminology and concepts: extrusive rock, intrusive rock, lava, magma, contact metamorphism, regional metamorphism, foliation, and parent rock.

SEDIMENTARY ROCKS ©2001

VLC030 **DIGITAL** \$89.95

This program outlines the different ways sedimentary rocks are formed and classified. Common uses of sedimentary rocks are also emphasized. Additional terminology and concepts: clastic rock, organic rock, chemical rock, sediment, ripple marks, compaction, cementation, precipitates, evaporites, petrification, and fossils.

- Series include four 20-minute videos and four 30-page teacher's guides.
- DVD includes chapters, subtitles, slides, glossary, and iMovie project.
- Digital Science titles are iPod compatible and include content clips and metadata.
- Marc Records available.

Weather and Climate Series

Spanish English

Four Videos and Four Teacher's Guides

Featuring on-screen questions, vocabulary, and assessments.
VLC031 **DIGITAL, DVD** \$299

THE ATMOSPHERE ©2001

La Atmósfera

VLC032 **DIGITAL, DVD** \$89.95

Using colorful animations and aerial footage, this video highlights the different layers of the atmosphere. Additional terminology and concepts: oxygen and carbon cycles, conduction, convection, radiation, lithosphere, hydrosphere, ozone, smog, greenhouse effect, ozone depletion, stratosphere, mesosphere, and troposphere.

CLIMATE ©2001

El Clima

VLC033 **DIGITAL, DVD** \$89.95

This program discusses the two basic factors that influence climate, temperature, and precipitation, and explains why certain plants and animals inhabit different climates. Additional terminology and concepts: topography, prevailing winds, rain shadow, altitude, climate, latitude, climate zone, polar zone, temperate zone, and tropical zone.

THE NATURE OF WEATHER ©2001

La Naturaleza del Clima

VLC034 **DIGITAL, DVD** \$89.95

This program explores the daily condition of Earth's atmosphere and the factors that influence weather formation. Additional terminology and concepts: conduction, convection, radiation, greenhouse effect, thermometer, barometer, air pressure, global and local winds, anemometer, sea breeze, land breeze, doldrums, trade winds, prevailing westerlies, polar easterlies, and jet streams.

WEATHER IN ACTION ©2001

El Clima En Acción


VLC035 **DIGITAL, DVD** \$89.95

This video examines some of Earth's powerful and dynamic weather forces. Additional terminology and concepts: evaporation, relative humidity, clouds, precipitation, rain gauge, air mass, front, thunderstorm, hurricane, tornado, blizzard, weather forecast, meteorologist, satellite imagery, isotherms, and isobars.

[Weather in Action is a] good introduction to basic weather facts, characteristics, and behaviors... Solid visuals, good graphics that clearly explain how weather "happens," and brief, intermittent "You Decide" segments that encourage critical thinking, combine to make this a fine choice...

VIDEO LIBRARIAN – MAR/APR '02

Planet Earth Series

Four Videos and Four Teacher's Guides 

Featuring on-screen questions, vocabulary, and assessments.

VLC041 **DIGITAL, DVD** \$299

TOPOGRAPHY AND THE EARTH ©2003

VLC042 **DIGITAL** \$89.95

Through beautiful cinematography, this video introduces students to Earth's major topographic features, including mountains, plains, and plateaus. Additional concepts and vocabulary: topography, landscape, elevation, sea level, relief, mountain range, crust, characteristics of Earth's surface and interior, lithosphere, asthenosphere, mantle, and core.

MAPPING ©2003

VLC043 **DIGITAL** \$89.95

This program helps students become comfortable using world, topographic, road, and city maps. Additional concepts and vocabulary: global positioning systems (GPS), satellite imagery, globe, scale, meridian, latitude, longitude, Mercator projection, equal-area projection, and contour lines.

FRESHWATER ©2003

VLC044 **DIGITAL** \$89.95

This video explores the physical and chemical properties of a substance we use every day – fresh water. Additional concepts and vocabulary: surface water, water cycle, evaporation, condensation, precipitation, valley glacier, continental glacier, standing water, running water, groundwater, water table, and aquifer.

OCEANOGRAPHY ©2003

VLC045 **DIGITAL** \$89.95


This program explores the geography of the world's oceans, and delves into the physical and chemical characteristics of oceans.

Additional concepts and vocabulary: temperature, density, waves, currents, pressure, salinity, oxygen, nitrogen, thermocline, swells, breakers, undertow, tsunami, continental shelf, abyssal plain, guyot, trench, and mid-ocean ridge.

Oceanography video received Special Mention as Outstanding Video in its Subject and Grade Level!... One of the best productions I've seen on the subject of oceanography. NAMTC/NATIONAL MEDIA MARKET – OCT'02



Astronomy Series

Four Videos and Four Teacher's Guides 

Featuring on-screen questions, vocabulary, and assessments.

VLC046 **DIGITAL, DVD** \$299

EARTH, SUN, AND MOON ©2003

La Tierra, El Sol Y La Luna



VLC047 **DIGITAL** \$89.95

This program explores characteristics of the Earth, Sun, and Moon, paying special attention to Earth's shape, rotation, and revolution. Additional terminology and concepts: compass, auroras, northern lights, magnetic field, summer solstice, autumnal equinox, winter solstice, spring equinox, waxing, waning, full moon, new moon, first quarter moon, last quarter moon, day, and night.

THE INNER PLANETS ©2003

VLC048 **DIGITAL** \$89.95

This video uses satellite imagery and colorful animations to highlight the general layout of the solar system and the fascinating features of Mercury, Venus, Earth, and Mars. Additional concepts and vocabulary: elliptical orbits, nebular hypothesis, nebula, sun, nuclear fusion, orbit, inertia, and ellipse.

THE OUTER PLANETS ©2003

VLC049 **DIGITAL** \$89.95

An animated trip to the outer reaches of the solar system explores the major features of the most distant planets. Additional terminology and concepts: Jupiter's Giant Red Spot, rings of Saturn and Uranus, frozen features of Neptune and Pluto, Milky Way galaxy, ellipse, revolution, rotation, asteroid belt, asteroids, moons, and Titan.

THE AMAZING UNIVERSE ©2003

VLC050 **DIGITAL** \$89.95

This video delves into the fascinating features of the universe and the position of our solar system in the Milky Way galaxy. Additional concepts and vocabulary: constellations, spiral galaxy, elliptical galaxy, barred spiral galaxy, light-year, apparent magnitude, nebula, white dwarf, giant star, neutron star, supernova, prominence, sunspot, solar flare, meteor, crater, and comet.

Bulls eye! It's hard to hold the attention of teenagers while at the same time teach them scientific concepts. This Astronomy Series accomplishes both...It's the best money I have spent on education in 28 years of teaching.

—BRUCE BUSH (teacher) LLANO, TEXAS '02

Middle School Life Science Collection


Save \$879

Collection includes 32 engaging video programs correlated to the curriculum and specifically designed for the classroom. These titles include a wide range of life science topics including human body, ecology, biomes, genetics, history of life, microorganisms, plants, and animals.

VLC122 **DVD** \$199
DVDs include 32 videos and 32 teacher's guides, plus chapter index, glossary, slides and subtitles.

VLC122 **DIGITAL** (Single School License) \$199
32 Digital Bundles include video files for full shows and content clips in H.264 and .WMV format. Plus images (.jpg), teacher's guides (.pdf) and metadata

Classification of Life Series

Four Videos and Four Teacher's Guides 
Featuring on-screen questions, vocabulary, and assessments.
VLC109 **DIGITAL, DVD** \$299

CLASSIFYING LIFE ©2006

VLC110 **DIGITAL** \$89.95

This program explores the major kingdoms and the process of taxonomy. Additional terminology and concepts: binomial nomenclature, scientific name, Carolus Linnaeus, taxon, evolution, biochemical, embryology, behavior, kingdom, phylum, class, order, family, genus, and species.

CLASSIFYING MONERANS AND PROTISTS ©2006

VLC111 **DIGITAL** \$89.95

This video highlights the major characteristics of Eubacteria, Archaeobacteria, and the kingdom Protista. Additional terminology and concepts: bacteria, bacilli, cocci, spirilla, capsule, flagella, decomposer, autotroph, heterotroph, sarcodine, amoeba, ciliate, paramecium, zooflagellate, sporozoan, diatom, and dinoflagellate.

CLASSIFYING PLANTS AND FUNGI ©2006

VLC112 **DIGITAL** \$89.95


This program discusses the major taxonomic categories and specific characteristics of plants and fungi. Additional terminology and concepts: symbiosis, parasite, decomposer, spore, mushroom, yeast, mold, algae, moss, nonvascular plant, vascular plant, gymnosperm, and angiosperm.

CLASSIFYING ANIMALS ©2006

VLC113 **DIGITAL** \$89.95

This video explains the taxonomy of the different invertebrate and vertebrate phyla, emphasizing the evolutionary relationships of the various phyla. Additional terminology and concepts: sponges, cnidarians, flatworms, roundworms, segmented worms, mollusks, arthropods, echinoderms, fishes, amphibians, reptiles, birds, and mammals.

Human Body Series

Four Videos and Four Teacher's Guides 
Featuring on-screen questions, vocabulary, and assessments.
VLC051 **DIGITAL, DVD** \$299

BONES AND MUSCLES ©2003

VLC052 **DIGITAL** \$89.95

This video explores the important characteristics of the skeletal and muscular systems. Additional terminology and concepts: tissue, periosteum, compact bone, marrow, calcium, cartilage, immovable joints, spongy bone, vertebrae, muscle fibers, skeletal muscle, smooth muscle, cardiac muscle, and involuntary muscle.

CIRCULATION AND RESPIRATION ©2003

VLC053 **DIGITAL** \$89.95

This video discusses the structures and functions of the circulatory and respiratory systems, and highlights the importance of monitoring the cardiovascular system. Additional terminology and topics: heart, blood, respiration, blood vessel, artery, pulse, vein, aorta, septum, atrium, ventricle, capillaries, pulmonary circulation, systemic circulation, coronary circulation, blood pressure, sphygmomanometer, plasma, red blood cells, white blood cells, platelet, blood clot, and alveoli.

DIGESTION AND EXCRETION ©2003

VLC054 **DIGITAL** \$89.95

This program explains the processes of excretion and digestion, and discusses the major categories of nutrients. Additional terminology and concepts: digestive and excretory systems, proteins, amino acids, carbohydrates, vitamins, stomach, mechanical digestion, chemical digestion, ingestion, esophagus, peristalsis, small and large intestines, excretion, nephrons, and kidneys.

NERVOUS AND ENDOCRINE SYSTEMS ©2003

VLC055 **DIGITAL** \$89.95

This video explores the three main types of neurons and how they transmit messages throughout the body's nerve network. Additional terminology and concepts include: nervous and endocrine systems, stimuli, response, nerve impulse, sensory neuron, motor neuron, interneuron, effector, synapse, central nervous system, peripheral nervous system, senses, hormone, adrenal glands, and adrenaline.

I would highly recommend [Circulation and Respiration] for higher level middle school science classes and high school biology classes. What is impressive is the amount of time spent on reinforcing the different parts of the circulatory and respiratory systems. NAMTC/NATIONAL MEDIA MARKET – SEP'03

Ecology Series

Spanish
EnglishFour Videos and Four Teacher's Guides 

Featuring on-screen questions, vocabulary, and assessments.

VLC056 **DIGITAL, DVD** \$299

Outstanding choice for middle-level or secondary school. SCHOOL LIBRARY JOURNAL – NOV'03

THE BIOSPHERE ©2003

La Biósfera

VLC057 **DIGITAL, DVD** \$89.95

This program explores the major features of Earth's amazing biosphere, including biotic and abiotic components found in ecosystems. Additional terminology and concepts: wetland, forest, precipitation, temperature, soil type, primary succession, secondary succession, climax community, biome, forest, desert, grassland, tundra, aquatic, taiga, ocean, estuary, fresh water, and rainforest.

ECOSYSTEM DYNAMICS ©2003

Dinámica de los Ecosistemas

VLC058 **DIGITAL, DVD** \$89.95

This video introduces students to the fascinating study of ecology. Additional terminology and concepts: biodiversity, environment, interconnected, ecosystem, community, natural communities, habitats, energy dynamics, producers, consumers, decomposers, and limiting factors.

NATURAL CYCLES ©2003

Ciclos Naturales

VLC059 **DIGITAL, DVD** \$89.95

This program addresses many of the cycles carried out by living things, including migration, hibernation, and patterns relating to day and night. Additional terminology and concepts: seasons, diurnal, nocturnal, lunar rhythm, annual rhythm, migration, hibernation, law of conservation of matter, water cycle, nitrogen cycle, and carbon and oxygen cycle.


PEOPLE AND THE ENVIRONMENT ©2003

La Gente y el Ambiente

VLC060 **DIGITAL, DVD** \$89.95

In this program students learn about the importance of resource conservation and renewable and non-renewable resources. Additional terminology and concepts: natural resources, deforestation, wildlife conservation, endangered species, species extinction, habitat destruction, recycling, and biodiversity.

Biomes Series

Spanish
EnglishFour Videos and Four Teacher's Guides 

Featuring on-screen questions, vocabulary, and assessments.

VLC036 **DIGITAL, DVD** \$299

...excellent overview of the largest biome on Earth. VIDEO LIBRARIAN – MAR/APR'02

GRASSLANDS ©2002

Las Praderas

VLC037 **DIGITAL, DVD** \$89.95

This program explores the global distribution of grasslands and the role that temperature, precipitation, soil type, and fire play in this biome. Additional terminology and concepts: savanna, grass, prairie, nutrients, California grasslands, intermountain grasslands, short-grass prairie, mixed prairie, tallgrass prairie, and bison.

DESERTS AND THE TUNDRA ©2002

El Desierto y la Tundra

VLC038 **DIGITAL, DVD** \$89.95

This video investigates the desert and tundra biomes, including their soils, plants, and animals. Additional terminology and concepts: Sonoran, Mojave, Chihuahuan, Sahara, desert climate, arid, kryptogram, saguaro cactus, permafrost, arctic tundra, alpine tundra, c aribou, and ptarmigan.

FORESTS ©2002

Los Bosques

VLC039 **DIGITAL, DVD** \$89.95

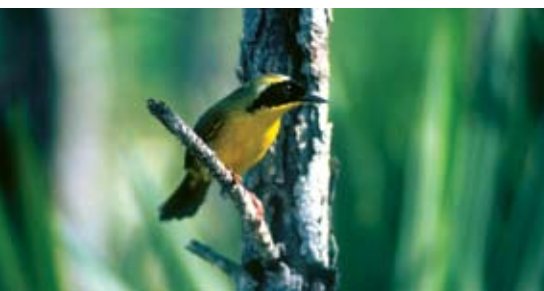
This program explores the trees, plants, and animals of the forest biomes, focusing on northern coniferous, temperate deciduous, subtropical, and tropical forests. Additional terminology and concepts: taiga, spruce, fir, deciduous, maple, beech, oak, hickory, canopy, understory, herbaceous, sloth, Everglades, epiphytes, ferns, vines, palmetto, and strangler fig tree.

WATER ©2002

El Agua

VLC040 **DIGITAL, DVD** \$89.95

This program explores ocean zones, marine life, estuaries, and various freshwater environments. Additional terminology and concepts: saltwater and freshwater biomes, salinity, ocean temperature and depth, marine, aquatic, sea anemone, benthos, plankton, nekton, intertidal zone, neritic zone, open ocean, estuary, running water, standing water, streams, rivers, ponds, lakes, and biological productivity.



Genetics Series



Four Videos and Four Teacher's Guides

Featuring on-screen questions, vocabulary, and assessments.

VLC089 **DIGITAL, DVD** \$299

...*Highly recommended.* VIDEO LIBRARIAN JUL/AUG'05

HEREDITY ©2005

Herencia

VLC090 **DIGITAL, DVD** \$89.95

This program discusses the inheritance of traits in both plants and animals, emphasizing the concepts of recessive and dominant traits. Additional concepts and terminology: offspring, parents, Gregor Mendel, and genes.

FUNDAMENTALS OF GENETICS ©2005

Principios de Genética

VLC091 **DIGITAL, DVD** \$89.95

This program explores Gregor Mendel's monumental work with inheritance in pea plants. Colorful animations illustrate the use of Punnett squares. Additional concepts and terminology: probability of the inheritance of specific traits, alleles, genotype, phenotype, homozygous, heterozygous, dominant, recessive, and hybrid.

GENETICS IN ACTION ©2005

Genética en Acción

VLC092 **DIGITAL, DVD** \$89.95

This video discusses the important genetic discoveries made in the 20th century, including the law of segregation and the law of independent assortment. Additional concepts and terminology: Gregor Mendel, dihybrid cross, incomplete dominance, codominance, multiple alleles, polygenic inheritance, mutations, and genetic disorders.

GENETICS IN OUR LIVES ©2005

La Genética en Nuestras Vidas

VLC093 **DIGITAL, DVD** \$89.95

This program takes a look at some of the advances made in modern genetics, including the discovery of DNA, vaccines, and human genome project. Additional concepts and terminology: DNA replication, genetic code, chromosome, gene, selective breeding, recombinant DNA, genetic engineering, and transgenic organisms.



History of Life Series

Four Videos and Four Teacher's Guides

Featuring on-screen questions, vocabulary, and assessments.

VLC094 **DIGITAL, DVD** \$299

EARLY LIFE ©2006

VLC095 **DIGITAL** \$89.95

No one knows exactly how Earth formed and changed over time. This program explores current scientific theories about Earth's formation. Additional concepts and terminology: development of life on Earth, living conditions and nature of early life on Earth, the nebular theory, early atmosphere, prokaryote, eukaryote, photosynthesis, invertebrate, and multi-cellular organisms.

LIFE THROUGH TIME ©2006

VLC096 **DIGITAL** \$89.95

This program takes students on a fascinating journey through time as the history of life on Earth is explored. Additional concepts and terminology: dinosaurs, speciation, geologic time, eras, climate change, plate tectonics, evolution, and extinction.

EVOLUTION ©2006

VLC097 **DIGITAL** \$89.95

In this program, students travel to the Galapagos Islands to learn about Charles Darwin's theory of natural selection and the theory of evolution. Key evolutionary concepts are highlighted. Additional concepts and terminology: variation, mutation, adaptive radiation, competition, and survival.

EVIDENCE OF CHANGE ©2006

VLC098 **DIGITAL** \$89.95

This program discusses different types of evidence supporting the theory of evolution. Additional concepts and terminology: natural selection, radioactive dating, anatomical evidence for the theory of natural selection, fossils, homologous structures, vestigial structures, embryology, and genetic evidence.

...*The extraordinary quality of this series makes it a must-have for science collections.*

SCHOOL LIBRARY JOURNAL – JAN'06

Microorganisms Series

Spanish
English

Four Videos and Four Teacher's Guides

Featuring on-screen questions, vocabulary, and assessments.

VLC021 **DIGITAL, DVD** \$299

THE CELL ©2001

La Célula

VLC022 **DIGITAL, DVD** \$89.95

In this program, students learn about the discovery of cells, the development of the cell theory, and the differences between animal and plant cells. Additional terminology and concepts: organelles, cell wall, cell membrane, cytoplasm, mitochondria, ribosomes, vacuole, nucleus, chromosomes, and lysosomes.

CELL PROCESSES ©2001

Procesos Celulares

VLC023 **DIGITAL, DVD** \$89.95

This video highlights the important processes necessary for life, including cell growth, cell division, diffusion, respiration, and osmosis. Additional terminology and concepts: metabolism, active transport, passive transport, mitosis, meiosis, asexual and sexual reproduction, fermentation, and release of energy.

PROTISTS ©2001

Protistas

VLC024 **DIGITAL, DVD** \$89.95

This program takes a closer look at the wide range of organisms in the kingdom Protista. Additional terminology and concepts: phyla, protozoa, pseudopodia, algae, cilia, paramecium, flagellum, dinoflagellate, diatom, euglena, sporozoan, plasmodium, and amoeba.

VIRUSES AND MONERANS ©2001

Virus y Moneras

VLC025 **DIGITAL, DVD** \$89.95

This program describes the structure and function of viruses and monerans. Special attention is given to how these microorganisms can harm or help living things. Additional terminology and concepts: bacteria, moneran, host, parasite, vaccine, fission, mutualism, aerobes, anaerobes, cyanobacteria, saprophyte, pathogen, and antibiotics.

Appealing, well-written, and engaging videos bring cells, cell parts, and cell processes to life for students in a way that a textbook cannot...I would readily recommend this video package for initial instruction, review and remediation at the high school level.

NSTA RECOMMENDS – JUL'02

Plants Series

Four Videos and Four Teacher's Guides

Featuring on-screen questions, vocabulary, and assessments.

VLC006 **DIGITAL, DVD** \$299

...well-produced video series with great teaching potential. NSTA RECOMMENDS – APR'00

PLANTS IN OUR LIVES ©2000

VLC007 **DIGITAL** \$89.95

This video explores the great diversity of the plant world, and the fascinating origins of plants. Additional terminology and concepts: algae, spore-producing plants, angiosperms, gymnosperms, bryophytes, cell wall, chlorophyll, photosynthesis, vascular, and nonvascular.

PHOTOSYNTHESIS AND PLANT RESPONSES ©2000

VLC008 **DIGITAL** \$89.95

In this program, students learn why photosynthesis is so important, not only to plants, but also people. The nature of plant responses and various tropisms are highlighted through colorful imagery. Additional terminology and concepts: chlorophyll, carbon dioxide, oxygen, glucose, simple sugars, and transpiration.

PLANT STRUCTURE AND FUNCTION ©2000

VLC009 **DIGITAL** \$89.95

Vivid footage illustrates the function of important plant structures, including roots, stems, and leaves. Additional terminology and concepts: xylem, phloem, stomata, guard cells, growth, photosynthesis, transpiration, and plant uses.

PLANT REPRODUCTION ©2000

VLC010 **DIGITAL** \$89.95

This program addresses the wide variety of plant reproductive strategies, both asexual and sexual reproduction. Additional terminology and concepts: seed development, spores, alternate generations, cone, flower, ovule, pollen, pollination, sepal, petal, stamen, pistil, fertilization, and growth.

- Series include four 20-minute videos and four 30-page teacher's guides.
- DVD includes chapters, subtitles, slides, glossary, and iMovie project.
- Digital Science titles are iPod compatible and include content clips and metadata.
- Marc Records available.

Middle School Physical Science Collection

Save \$450

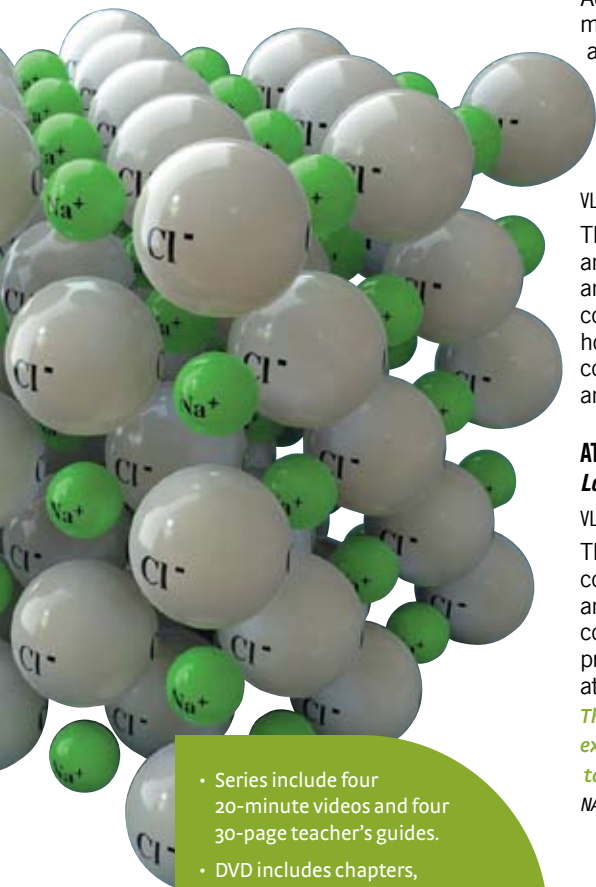
Collection includes 20 engaging video programs correlated to the curriculum and specifically designed for the classroom. These titles include a wide range of physical science topics including electricity, matter, chemistry, motion, force, energy, waves, sound, and light.

VLC120 **DVD** \$1349

DVDs include 20 videos and 20 teacher's guides, plus chapter index, glossary, slides and subtitles.

VLC120 **DIGITAL** (Single School License) \$1349

20 Digital Bundles include video files for full shows and content clips in H.264 and .WMV format. Plus images (.jpg), teacher's guides (.pdf) and metadata.



- Series include four 20-minute videos and four 30-page teacher's guides.
- DVD includes chapters, subtitles, slides, glossary, and iMovie project.
- Digital Science titles are iPod compatible and include content clips and metadata.
- Marc Records available.

Matter in Action Series

Spanish English

Four Videos and Four Teacher's Guides

Featuring on-screen questions, vocabulary, and assessments.
VLC074 **DIGITAL, DVD** \$299

WHAT IS MATTER? ©2005

¿Qué es la Materia?

VLC075 **DIGITAL, DVD** \$89.95

In this program, students explore how they depend on and interact with matter. The physical and chemical properties of matter are also investigated. Additional terminology and concepts: length, mass, weight, and volume of matter; meter; kilogram; gram; liter; water displacement; and density.

SOLIDS, LIQUIDS, AND GASES ©2005

Sólidos Líquidos y Gases

VLC076 **DIGITAL, DVD** \$89.95

In this program, students investigate real-life examples of the various phases of matter. Additional terminology and concepts: movement of particles, plasma, crystalline and amorphous solids, viscosity, freezing, vaporization, evaporation, and condensation.

ELEMENTS, COMPOUNDS, AND MIXTURES ©2005

Elementos Compuestos y Mezclas

VLC077 **DIGITAL, DVD** \$89.95

This program explores the various properties and characteristics of elements, compounds, and mixtures. Additional terminology and concepts: matter, elements, compounds, homogeneous and heterogeneous mixtures, colloid, suspension, solution, solvent, and solute.

ATOMS ©2005

Los Átomos

VLC078 **DIGITAL, DVD** \$89.95

This program helps explain the abstract concept of atoms through colorful diagrams and animations. Additional terminology and concepts: atomic number, nucleus, neutron, proton, electron, energy level, electron cloud, atomic mass unit, and isotope.

This video does an excellent job of showing real life examples that are interesting as well as graphics to help further understanding of each concept.

NAMTC CURRICULUM MEDIA – SEP'05

Chemistry in Action Series

Spanish
English

Four Videos and Four Teacher's Guides 

Featuring on-screen questions, vocabulary, and assessments.

VLC079 **DIGITAL, DVD** \$299

THE PERIODIC TABLE ©2005

La Tabla Periódica

VLC080 **DIGITAL, DVD** \$89.95

This program makes the modern periodic table come alive by using real-life examples of elements, as well as graphics and animations. Additional terminology and concepts: periodic table, elements, atomic structure, atomic number, atomic mass, periods, and families.

BONDING ©2005

Enlaces Químicos

VLC081 **DIGITAL, DVD** \$89.95

This program describes the process of chemical bonding and the role atomic structure plays in bonding. Additional terminology and concepts: element, atomic structure, energy level, valence electrons, ionic bonds, crystal lattice, covalent bond, and metallic bond.

REACTIONS ©2005

Reacciones

VLC082 **DIGITAL, DVD** \$89.95

In this video, real-life examples are used to describe different types of reactions, and animations help to explain the process of balancing chemical equations. Additional terminology and concepts: law of conservation of mass; decomposition and synthesis reactions; replacement reactions; reaction rates; and examples of chemical reactions, including fireworks, burning flares, and rusting.

COMPOUNDS IN CHEMISTRY ©2005

Compuestos Químicos

VLC083 **DIGITAL, DVD** \$89.95

This program explores acids and bases, as well as the grouping of many chemical compounds. Additional terminology and concepts: acid, base, pH, salt, carbon compounds, organic, and hydrocarbon.

A complete, well-designed package that introduces the fundamentals and applications of chemistry to the middle school age group...A fine introductory survey, this is highly recommended for both middle and junior high school libraries.

VIDEO LIBRARIAN SEP/OCT'05

Motion, Energy, and Force Series

Spanish
English

Four Videos and Four Teacher's Guides 

Featuring on-screen questions, vocabulary, and assessments.

VLC001 **DIGITAL, DVD** \$299

MOTION ©2000

El Movimiento

VLC002 **DIGITAL, DVD** \$89.95

This program explores the principles of motion and the basic concepts of speed and velocity. Additional terminology and concepts: calculating speed and acceleration, frame of reference, momentum, and conservation of momentum.

FORCE AND NEWTON'S LAWS ©2000

La Fuerzas y la Ley de Newton

VLC003 **DIGITAL, DVD** \$89.95

This program provides live-action examples of the principle of force and the application of Newton's three laws of motion. Additional terminology and concepts: calculating force, friction, inertia, weight, mass, gravity, and the law of universal gravitation.



SIMPLE MACHINES ©2000

Máquinas Simples

VLC004 **DIGITAL, DVD** \$89.95

This program describes various types of simple machines, as well as their effect on work and power. Additional terminology and concepts: calculating work and power, joule, watt, efficiency, mechanical advantage, simple machines, screw, inclined plane, lever, fulcrum, wedge, pulley, and wheel and axle.

ENERGY ©2000

La Energía

VLC005 **DIGITAL, DVD** \$89.95

This program investigates the five main forms of energy and explains how to differentiate between them. Additional terminology and concepts: chemical energy, nuclear energy, electromagnetic energy, heat energy, mechanical energy, calculating potential and kinetic energy, and the law of conservation of energy.

The dynamic combination of technology, integration, and high interest offered in this science series will be a hit in any middle school science classroom.

NSTA SCIENCE SCOPE – APR'00

Light, Sound, and Waves Series Spanish English

Four Videos and Four Teacher's Guides

Featuring on-screen questions, vocabulary, and assessments.

VLC016 **DIGITAL, DVD** \$299

... useful in teaching students about these important areas of physical science.

SCIENCE BOOKS AND FILMS – JUL/AUG'02

THE NATURE OF LIGHT ©2001

La Naturaleza de la Luz

VLC017 **DIGITAL, DVD** \$89.95

In this program, students learn about the electromagnetic spectrum, the visible spectrum, and light production. Additional terminology and concepts: colors, wavelength, frequency, luminous object, neon, incandescence, florescent, photon, and photoelectric effect.

USING LIGHT ©2001

Usando la Luz

VLC018 **DIGITAL, DVD** \$89.95

This program explores the various uses of light and explains how different types of lenses refract light. Additional terminology and concepts: regular and diffuse reflection; plane, concave, and convex mirrors; index of refraction; concave and convex lenses; binoculars; eyeglasses; and contact lenses.



SOUND ©2001

Sonido

VLC019 **DIGITAL, DVD** \$89.95

This program investigates how sound is produced and travels, and its specific properties and everyday uses. Additional terminology and concepts: sound waves, frequency, pitch, intensity, loudness, Doppler effect, elasticity, density, hertz, ultrasonic, infrasonic, decibel, and sound reflection.

WAVES ©2001

Las Ondas

VLC020 **DIGITAL, DVD** \$89.95

This program explores the characteristics and speed of waves, as well as basic interactions between waves. Additional terminology and concepts: mechanical, electromagnetic, transverse, surface, and longitudinal waves; wavelength; frequency; crest; trough; amplitude; reflection; refraction; diffraction; and interference.

Electricity and Magnetism Series ©2000

Four Videos and Four Teacher's Guides

Featuring on-screen questions, vocabulary, and assessments.

VLC011 **DIGITAL, DVD** \$299

THE NATURE OF ELECTRICITY ©2000

VLC012 **DIGITAL** \$89.95

This program explores the fundamental principles of electricity, including the role that atoms play in creating electrical charges. Additional terminology and concepts: atom, electrical charge, attraction, repulsion, static electricity, induction, friction, lightning, insulators, conductors, and electrical discharge.

CURRENT ELECTRICITY ©2000

VLC013 **DIGITAL** \$89.95

In this program, students learn how electrical current is generated, how electricity flows into their homes, and how we use current electricity. Additional terminology and concepts: potential difference, battery, circuit, voltage, resistance, Ohm's law, direct current, alternating current, series circuit, parallel circuit, circuit breaker, and fuse.

MAGNETISM ©2000

VLC014 **DIGITAL** \$89.95

In this video, students learn about the force of magnetism, its characteristics, and how it affects our everyday lives. Additional terminology and concepts: magnet, magnetism, magnetic field, Earth as a magnet, magnetosphere, compass, magnetic poles, and aurora borealis.

ELECTROMAGNETISM ©2000

VLC015 **DIGITAL** \$89.95

This video describes the important relationship between electricity and magnetism, and portrays real-life applications of these forces. Additional terminology and concepts: electric current, electromagnet, magnetic fields, electromagnetic induction, motor, current, generator, and transformer.

Have you ever observed a master teacher explain a difficult scientific principle so well that you wish you could copy their technique? This series comes close to duplicating that experience. An innate sense of logical organization permeates the four videos. Each concept is clearly illustrated via well-paced narration and through a variety of crisp graphics, demonstrations, and animation.

SCHOOL LIBRARY JOURNAL – JUL'00

Middle School Health Science Collection

Save \$150

Collection includes 8 engaging video programs correlated to the curriculum and specifically designed for the classroom. These titles include a wide range of health science topics including nutrition, healthy habits, and circulatory, respiratory, skeletal, muscular, digestive, endocrine, and nervous systems.

VLC158 DVD \$568

DVDs include 8 videos and 8 teacher's guides, plus chapter index, glossary, slides and subtitles.

VLC158 DIGITAL (Single School License) \$568

8 Digital Bundles includes video files for full shows and content clips in H.264 and .WMV format. Plus images (.jpg), teacher's guides (.pdf) and metadata.

Body Systems and Health Series

Four Videos and Four Teacher's Guides

Featuring on-screen questions, vocabulary, and assessments.

VLC153 DIGITAL, DVD \$299

HEALTHY CIRCULATORY AND RESPIRATORY SYSTEMS ©2007

VLC154 DIGITAL \$89.95

This program explores the vital role of the body's circulatory and respiratory systems, emphasizing things we can do to keep them healthy. Additional terminology and concepts: heart, blood, blood vessels, lungs, heart disease, high blood pressure, upper respiratory infections, asthma, healthy eating habits, smoking, lung cancer, and regular exercise.

HEALTHY SKELETAL AND MUSCULAR SYSTEMS ©2007

VLC155 DIGITAL \$89.95

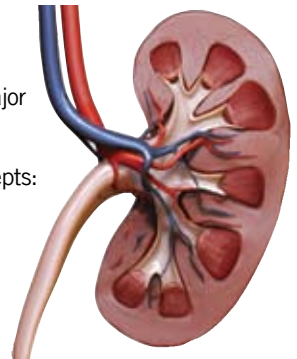
This program highlights the varied functions of the skeletal and muscular systems. Special attention is paid to injuries and injury prevention. Additional concepts and terminology: bone, cartilage, joint, tendon, ligaments, bone fractures, sprains, and arthritis.

HEALTHY DIGESTIVE AND EXCRETORY SYSTEMS

©2007

VLC156 DIGITAL \$89.95

This program explains how our body digests the food we consume, while exploring the major digestive organs and processes. Additional terminology and concepts: nutrients, stomach, intestines, liver, pancreas, peristalsis, villi, indigestion, heartburn, diarrhea, ulcer, stomach and colon cancer, bladder, urethra, kidneys, nephrons, urine, urinary tract infection, and kidney stones.



HEALTHY NERVOUS AND ENDOCRINE SYSTEMS

©2007

VLC157 DIGITAL \$89.95

This program explores the complexities and essential components and functions of the body's most important systems – the nervous and endocrine systems. Additional terminology and concepts: brain, spinal cord, nerves, sense organs, cerebrum, cerebellum, brainstem, central nervous system, peripheral nervous system, hormones, glands, insulin, stroke, and concussion.

- Series include four 20-minute videos and four 30-page teacher's guides.
- DVD includes chapters, subtitles, slides, glossary, and iMovie project.
- Digital Science titles are iPod compatible and include content clips and metadata.
- Marc Records available.





Nutrition and You Series

Four Videos and Four Teacher's Guides 

Featuring on-screen questions, vocabulary, and assessments.
VLC131 **DIGITAL, DVD** \$299

... program outlines key terms (such as digestion, carbohydrates, and vitamins), discusses the six essential nutrients, looks at the food labels and the revised food pyramid, and features a few nutritional tips. VIDEO LIBRARIAN – JAN/FEB '07

NUTRITION BASICS ©2007

VLC132 **DIGITAL** \$89.95

What is in the food we eat and how does the body process food? These and other questions are addressed in this fascinating video. Additional terminology and concepts: nutrients, carbohydrates, proteins, fats, vitamins, minerals, water, digestion, body wellness, stomach, intestines, complex carbohydrates, and dehydration.

BALANCED DIET ©2007

VLC133 **DIGITAL** \$89.95

This program illustrates the new USDA food pyramid, emphasizing each of the five major food groups. Special attention is paid to what constitutes a balanced diet. Additional terminology and concepts: Recommended Dietary Allowances, calories, food labels, grains, vegetables, fruits, milk group, and meat and beans group.

HEALTHY EATING HABITS ©2007

VLC134 **DIGITAL** \$89.95

This program stresses the fundamentals of planning, selecting, and preparing foods that make up a healthy diet. Additional terminology and concepts: food pyramid, nutritional value, servings, percent daily value, meal planning, dietary requirements, processed food, and food-borne illness.

A HEALTHY BODY ©2007

VLC135 **DIGITAL** \$89.95

This program addresses a number of health and diet issues, including types of foods to avoid, healthy body weight, harmful substances, and the importance of regular exercise. Additional terminology and concepts: importance of rest and sleep, junk food, salt, fatty foods, sugar, drugs and alcohol, annual physical exam, dental exam, and eye exam.

- Series include four 20-minute videos and four 30-page teacher's guides.
- DVD includes chapters, subtitles, slides, glossary, and iMovie project.
- Digital Science titles are iPod compatible and include content clips and metadata.
- Marc Records available.

Middle School Integrated Science Collection

Save \$230

Collection includes 12 engaging video programs correlated to the curriculum and specifically designed for the classroom. These titles include a wide range of integrated science topics including measuring, observations, data, metric system, microscope, and scientific tools.

VLC119 **DVD** \$849

DVDs include 12 videos and 12 teacher's guides, plus chapter index, glossary, slides and subtitles.

VLC119 **DIGITAL** (Single School License) \$849

12 Digital Bundles include video files for full shows and content clips in H.264 and .WMV format. Plus images (.jpg), teacher's guides (.pdf) and metadata.



YOUR SCIENCE FAIR PROJECT ©2005

VLC087 **DIGITAL** \$89.95

This program explains the scientific method and describes the process of creating a successful science fair project. Additional terminology and concepts: conclusion, hypothesis, experiment, data, analysis, data table, and graphs.

Scientific Processes Series

Four Videos and Four Teacher's Guides 

Featuring on-screen questions, vocabulary, and assessments.

VLC084 **DIGITAL, DVD** \$299

SAFETY IN SCIENCE ©2005

VLC085 **DIGITAL** \$89.95

This program demonstrates safe practices for conducting science activities. Additional terminology and concepts: accident prevention, safety procedures and practices for science, dressing for science, protective eyeglasses, and safety equipment.

MEASURING IN SCIENCE ©2005

VLC086 **DIGITAL** \$89.95

This program explains many of the different ways measurement occurs in science, including how length, mass, volume, and temperature are measured. Additional terminology and concepts: metric system, metric units, metric ruler, balances, graduated cylinders, meter stick, beaker, and water displacement.



OBSERVATIONS AND DATA ©2005

Observaciones Y Datos

VLC088 **DIGITAL** \$89.95

This program emphasizes methods by which students make scientific observations and record data. Additional terminology and concepts: quantitative and qualitative observations, senses, measuring, instruments, data table, and data analysis.

Footage of male and female scientists on the job demonstrating measurement and data collecting practices reflect a balanced gender and ethnic perspective. The simple graphics and tables are easy to interpret. The narration relates scientific processes to daily events, validating the function of science in everyday life. SCHOOL LIBRARY JOURNAL – FEB'06

The Metric System Series

Four Videos and Four Teacher's Guides

Featuring on-screen questions, vocabulary, and assessments.

VLC104 **DIGITAL, DVD** \$299

INTRODUCTION TO THE METRIC SYSTEM ©2006

VLC105 **DIGITAL** \$89.95

This program provides an overview of the metric system, an essential component to effectively engaging in scientific endeavors. Additional terminology and concepts: measuring, English and metric systems of measurement, unit of measurement, decimal system, length, distance, meter, kilogram, liter, volume, mass, temperature, and Celsius.



METRIC LENGTH AND TEMPERATURE ©2006

VLC106 **DIGITAL** \$89.95

This program demonstrates how to use the metric system to measure length and temperature. Additional terminology and concepts: millimeter, meter, kilometer, distance, decimeter, centimeter, meter stick, odometer, thermometer, Fahrenheit, Celsius, and Kelvin scale.

METRIC MASS AND VOLUME ©2006

VLC107 **DIGITAL** \$89.95

This program explains the concepts of mass and volume and describes how these are measured in the metric system. Additional terminology and concepts: kilogram, gram, milligram, balance, beaker, graduated cylinder, liter, milliliter, cubic centimeter, cubic meter, water displacement, density, and grams per cubic centimeter.

METRIC CONVERSIONS ©2006

VLC108 **DIGITAL** \$89.95

This program provides a conceptual foundation to help students convert between English and metric units of mass, volume, length, and temperature. Additional terminology and concepts: gram, cubic centimeter, milliliter, kilometers to miles, pounds to kilograms, gallons to liters, and Fahrenheit to Celsius.

This four-part series aimed at middle school students teaches the fundamentals of the metric system... including Genetics, Chemistry in Action, and Geologic History – The Metric System boasts superior content and production values, and is highly recommended.

VIDEO LIBRARIAN – JUL/AUG'06

Tools in Science Series

Spanish
English

Four Videos and Four Teacher's Guides

Featuring on-screen questions, vocabulary, and assessments.

VLC114 **DIGITAL, DVD** \$299

THE MICROSCOPE ©2006

El Microscopio

VLC115 **DIGITAL, DVD** \$89.95

This program shows students how to safely and effectively use microscopes commonly found in the school laboratory. Additional terminology and concepts: microscope care and accident prevention, magnification, slide, arm, eyepiece, body tube, nose piece, objective lenses, stage, diaphragm, mirror, coarse adjustment, fine adjustment, and light.

MEASURING MASS AND VOLUME ©2006

Midiendo Masa y Volumen

VLC116 **DIGITAL, DVD** \$89.95

This program explains how mass and volume are measured using various types of equipment found in the school science lab and at home. Additional terminology and concepts: balance, spring scale, electronic scale, grams, kilograms, milligrams, beaker, graduated cylinder, liter, milliliter, and cubic centimeter.

MEASURING LENGTH AND TEMPERATURE ©2006

Midiendo Longitud y Temperatura

VLC117 **DIGITAL, DVD** \$89.95

This program illustrates how length and temperature are measured using common lab equipment tools, and how students can record their observations. Additional terminology and concepts: meter stick, metric ruler, metric units, meter, centimeter, millimeter, rounding off, glass thermometer, digital thermometer, and Celsius.

LAB EQUIPMENT SAFETY ©2006

Seguridad en el Equipo de Laboratorio

VLC118 **DIGITAL, DVD** \$89.95

This program focuses on the safe and effective use of common laboratory equipment, while emphasizing accident prevention. Additional terminology and concepts: glassware, heating materials, chemicals, sharp instruments, safety goggles, lab apron, eyewash station, tongs, and fire extinguisher.

This DVD package provides a plethora of learning opportunities for students... This module takes a dry, must-cover topic and makes it fun to learn and to learn well...In the past, I have either created or used materials for my measurement unit from several sources. Now I have it all in one place – safety, mass, volume, length, temperature, and microscope – along with one terrific video...and the standards are linked, too. For a former scientist who is now a science teacher, it doesn't get any better than this! NSTA RECOMMENDS – DEC'06

Biology Collection

Save \$398

Collection includes 25 engaging video programs correlated to the curriculum and specifically designed for the classroom. These titles include a wide range of biology topics including simple plants, gymnosperms, angiosperms, photosynthesis, plant reproduction, vertebrate life, human anatomy, and physiology.

VLC247 **DVD** \$1800

25 DVDs include videos and instructor's manuals, plus chapter index, subtitles, glossary, and slides.

VLC247 **DIGITAL** (Single School License) \$1800

25 Digital Bundles include video files for full shows and content clips in H.264 and .WMV format. Plus images (.jpg), teacher's guides (.pdf) and metadata.

The Wonders of Vertebrate Life Series

Five Videos and Five Instructor's Manuals 

Featuring on-screen questions, vocabulary and assessments.

VLC228 **DIGITAL, DVD** \$449

FEATURES OF FISH ©2010

VLC223 **DIGITAL, DVD** \$99.95

This colorful, lively video explores the fascinating features of fishes. The major characteristics of this widely diverse group of vertebrates are described through the use of live-action video. Special attention is paid to the major groups of fishes and their unique features. Concepts and terminology include: ectothermic, scales, swim bladder, olfactory lobe, lateral line, gills, anadromous, ichthyologist, agnatha, lamprey, hagfish, chondrichthyes, cartilage, shark, skate, ray, osteichthyes, lobe-finned fishes, lungfishes, and ray-finned fishes.



THE LIFE OF BIRDS ©2010

VLC224 **DIGITAL, DVD** \$99.95

Birds are a vertebrate group with which we are all familiar. This beautiful and colorful video explores the major characteristics, adaptations, and life cycles of this group of animals. Special emphasis is paid to the features that enable birds to fly. Vivid footage from throughout the world also illustrates some of the major groups of birds. Concepts and terminology include: flight, wings, contour feathers, down feathers, endothermic, crop, gizzard, four-chambered heart, amniotic egg, albumin, yolk, incubation, Archaeopteryx, Passeriformes, Piciformes, Charadriiformes, Falconiformes, and Anseriformes.

MAGNIFICENT MAMMALS ©2010

VLC225 **DIGITAL, DVD** \$99.95

We are all familiar with common examples of mammals such as cats, dogs, and horses. Humans are also mammals. This action-packed program illustrates the common characteristics of mammals while also exploring some of the major mammalian groups. Terminology and concepts include: body hair, endothermic, mammary glands, cerebrum, differentiated teeth, monotremes, marsupials, placental mammals, rodents, Lagomorphs, Chiroptera, ungulates, Artiodactyla, Perissodactyla, Carnivora, Cetacea, and primates.

AMAZING AMPHIBIANS AND REPTILES ©2010

VLC226 **DIGITAL, DVD** \$99.95

This colorful, fascinating program explores the amazing features of amphibians and reptiles. The major characteristics of these two vertebrate groups are highlighted from vivid video footage captured throughout the world. Special attention is also paid to the fascinating features of specific examples of amphibians and reptiles. Concepts and terminology include: frog, toad, salamander, metamorphosis, double loop circulatory system, Anura, Urodela, Apoda, scales, ectothermic, amniotic egg, dinosaurs, Rhynchocephalia, Tuatara, Chelonia, Squamata, and Crocodylia.

THE CLASSIFICATION OF ORGANISMS ©2010

VLC227 **DIGITAL, DVD** \$99.95

For thousands of years scientists have named and categorized the vast array of life on Earth. This video program highlights the major advances concerning the classification of life, more specifically focusing on current trends in systematics and taxonomy. Concepts and terminology include: scientific name, binomial nomenclature, taxa, domains, Archaea, Bacteria, Eukarya, evolutionary relationships, systematic biology, phylogeny, and taxonomy.

The Amazing Human Body Series

Ten Videos and Ten Instructor's Manuals 

Featuring on-screen questions, vocabulary and assessments.

VLC229 **DIGITAL, DVD** \$849

SKIN, SKELETAL, AND MUSCULAR SYSTEMS ©2010

VLC198 **DIGITAL, DVD** \$99.95

This colorful video highlights the major features of the skin, skeletal, and muscular systems. Live-action footage, accompanied by three-dimensional animations, illustrates these fascinating body systems. Special attention is given to the care and maintenance of the skin, skeletal, and muscular systems. Concepts and terminology include: integumentary system, layers of skin, sweat glands, bone, collagen, osteocytes, periosteum, marrow, cartilage, ossification, types of joints, ligaments, types of muscle tissue, and voluntary and involuntary muscle.

EXPLORING THE DIGESTIVE AND EXCRETORY SYSTEMS ©2010

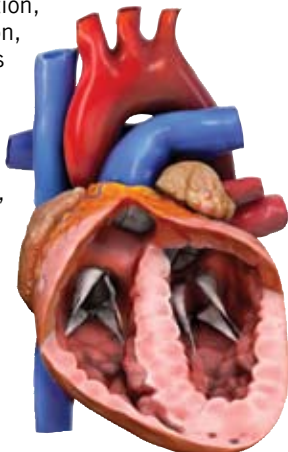
VLC199 **DIGITAL, DVD** \$99.95

This video takes students on a fascinating journey, following food as it travels through the digestive system. Clear animations illustrate the functions of the major digestive and excretory structures. Concepts and terminology include: nutrients, salivary glands, teeth, mechanical and chemical digestion, esophagus, peristalsis, stomach, small intestine, enzymes, chyme, villi, large intestine, liver, gallbladder, pancreas, metabolism, colon cancer, acid reflux, kidneys, urea, and nephrons.

INVESTIGATING CIRCULATION ©2010

VLC200 **DIGITAL, DVD** \$99.95

Colorful animations and crisp video footage illustrate the vital process of circulation. The major characteristics and features of the circulatory systems are explored, with special emphasis placed on circulatory problems and caring for the circulatory system. Concepts and terminology include: pulmonary circulation, systemic circulation, blood, components of blood, blood vessels, arteries, veins, capillaries, heart, atria, ventricles, septum, valves, coronary arteries, pulse, heartbeat, SA node, AV node, blood pressure, hypertension, and atherosclerosis.



RESPIRATION ©2010

VLC201 **DIGITAL, DVD** \$99.95

With every breath you take, the process of respiration is supplying cells in the body with oxygen they need to carry out important processes. This engaging program highlights the major structures and functions of the respiratory system. Concepts and terminology include: nasal passage, pharynx, larynx, lungs, diaphragm, trachea, bronchial tubes, alveoli, gas exchange, pulmonary circulation, inhalation, exhalation, hemoglobin, asthma, bronchitis, smoking, lung cancer, and pneumonia.

THE AMAZING NERVOUS SYSTEM ©2010

VLC202 **DIGITAL, DVD** \$99.95

From skiing down a steep mountain, to playing the piano, the nervous system enables us to accomplish remarkable tasks. This video focuses on the amazing structures in the nervous system that enable humans to maintain and carry out a wide range of functions. Concepts and terminology include: neurons, central nervous system, peripheral nervous system, glial cells, nerve impulse transmission, sensory neurons, motor neurons, interneurons, reflex arc, brain structure, and spinal cord.

SENSES ©2010

VLC203 **DIGITAL, DVD** \$99.95

Whether it is the sight of colorful flowers, or the smell of freshly baked cookies, our senses are constantly at work. Breathtaking video footage and three-dimensional animations illustrate how complex sensory organs function. Special attention is also given to caring for sensory organs. Concepts and terminology include: senses, sensory neurons, vision, eye, structures in the eye, hearing, ears, structures of the ear, taste, smell, receptors, skin, and balance.

INVESTIGATING THE IMMUNE SYSTEM ©2010

VLC204 **DIGITAL, DVD** \$99.95

This video explores the wide range of defense mechanisms the body calls upon to fight foreign invaders in an effort to maintain health. Immune responses, diseases, and care of the immune system are some of the topics addressed. Concepts and terminology include: pathogen, defenses, lymph, phagocytes, macrophages, lymphocytes, humoral immunity, antibody, acquired immunity, vaccines, allergies, autoimmune disorders, AIDS, immune disorders, and care of the immune system.

REPRODUCTION AND DEVELOPMENT ©2010VLC205 **DIGITAL, DVD** \$99.95


The amazing biological processes of reproduction and development are illustrated in this fast-paced video. Easy-to-understand diagrams, animations, and video footage explain the steps of the life cycle beginning at fertilization. Concepts and terminology include: egg, sperm, testes, ovary, uterus, ovarian cycle, menstrual cycle, ovulation, menstruation, fertilization, implantation, pregnancy, fallopian tube, zygote, embryonic development, cleavage, blastula, gastrulation, differentiation, placenta, twins, fetus, gestation, birth, growth, puberty, and life cycle.

**ESSENTIAL NUTRITION** ©2010VLC206 **DIGITAL, DVD** \$99.95

This video program helps students understand why the body needs a wide range of nutrients to maintain itself. Nutrient types are illustrated through common examples of food. Special emphasis is placed on healthy eating habits. Concepts and terminology include: nutrients, food, energy, digestive system, carbohydrates, proteins, amino acids, saturated fats, polyunsaturated fats, vitamins, minerals, calcium, water, fiber, metabolism, calorie, balanced diet, food pyramid, food labels, junk food, and healthy eating habits.

MAINTAINING A HEALTHY BODY ©2010VLC207 **DIGITAL, DVD** \$99.95

Maintaining a healthy body is a fundamental part of leading a fulfilling, successful life. This video program highlights many of the basic things everyone can do to maintain a safe and healthy lifestyle. Concepts and terminology include: sleep, healthy eating habits, regular exercise, safety, injuries, sickness, immunizations, positive self image, mental health, hygiene, drugs, alcohol, high-risk behavior, accident prevention, dental exam, and annual medical examination.

Fungi, Bacteria, and Protists Series **new**Three Videos and Three Instructor's Manuals 

Featuring on-screen questions, vocabulary and assessments.

VLC241 **DIGITAL, DVD** \$249**new FUNGI** ©2011VLC237 **DIGITAL, DVD** \$99.95

From making bread to decomposing things in the environment, fungi play a very important role in our lives. Vivid video footage, accompanied by colorful animations, illustrates the fascinating origin, diversity, and characteristics of fungi. Special attention is also given to the ecological and economic importance of fungi. Concepts and terminology include: hyphae, mycelium, Zygomycota, rhizoids, stolons, Ascomycota, ascus, Basidiomycota, Deuteromycota, spores, and lichens.

new PROKARYOTES ©2011VLC238 **DIGITAL, DVD** \$99.95

Bacteria are the most abundant living things on the planet. In fact there are more bacteria in your mouth than there are vertebrates on the planet! This fascinating program explores the wide-ranging forms and characteristics of both archaeobacteria and bacteria. Prokaryotic evolution and diversity are also discussed. Concepts and terminology include: prokaryote, eukaryote, peptidoglycan, ribosomal proteins, RNA polymerase, gram stain, Archaea, Bacteria, bacterial diseases, decomposition, and genetic engineering.


new INVESTIGATING PROTISTS ©2011VLC239 **DIGITAL, DVD** \$99.95

Eukaryotes that are clearly not animals, plants or fungi belong to a very diverse and fascinating group called protists. This video program uses captivating video footage to illustrate organisms from tiny microscopic creatures to giant kelp. Emphasis is placed on common characteristics of protists, while pointing out the wide diversity among organisms in this group. Concepts and terminology include: endosymbiosis, Euglenozoa, Alveolata, dinoflagellates, ciliates, zooflagellates, sporozoans, brown algae, diatoms, red algae, chlorophyta, amoebas, foraminifera, and slime molds.

- Each 20-minute video includes on-screen quizzes and vocabulary words and is accompanied by a 25-page instructor's manual.
- DVD includes chapters, subtitles, slides, glossary, and iMovie project.
- Digital Science titles are iPod compatible and include content clips and metadata.
- Marc Records available.



Biology of Plants Series

Seven Videos and Seven Instructor's Manuals 

Featuring on-screen questions, vocabulary and assessments.

VLC240 **DIGITAL, DVD** \$599

ORIGIN AND DIVERSITY OF PLANTS ©2010

VLC230 **DIGITAL, DVD** \$99.95

The conquest of land by plants and their proliferation is an amazing biologic story. This vividly, colorful video highlights the evolution of plants, while also describing the major groupings of modern-day plants. Concepts and terminology include: chloroplasts, photosynthetic pigments, cell wall, green algae, nonvascular plants, vascular plants, gymnosperm, angiosperm, alteration of generations, Bryophyta, Hepatophyta, Anthoceroophyta, Pterophyta, Lycophyta, Sphenophyta, Psilophyta, Coniferophyta, Cycadophyta, Gnetophyta, Ginkgophyta, and Anthophyta.

INVESTIGATING SIMPLE PLANTS ©2010

VLC231 **DIGITAL, DVD** \$99.95

This video program explores the fascinating characteristics of nonvascular land plants as well as some of the simpler vascular plants. An in-depth look at mosses, hornworts, and liverworts serve as the topic of study for the beginning of the program. The characteristics of more advanced vascular plants are explored such as whisk ferns, horsetails, and ferns. Concepts and terminology include: Bryophyta, Hepaticophyta, Anthoceroophyta, rhizoids, gametophyte, sporophyte, Lycophyta, Pterophyta, spores, and sori.

GYMNOSPERMS AND ANGIOSPERMS ©2010

VLC232 **DIGITAL, DVD** \$99.95

Everyday we use products or eat foods derived from vascular seed plants. In this video program the wide variety of non-flowering seed plants, gymnosperms, are described and characterized through vivid footage gathered from around the globe. Beautiful videography illustrates the colorful flowering plants, angiosperms. Special attention is paid to the diversity and characteristics of these amazingly successful groups of plants. Concepts and terminology includes: Coniferophyta, Cycadophyta, Gnetophyta, Ginkgophyta, cones, dicots, monocots, cotyledon, flower, and pollination.

EXPLORING PLANT REPRODUCTION ©2010

VLC233 **DIGITAL, DVD** \$99.95

This engaging video program uses colorful animations and on-location footage to illustrate some of the amazing ways plants reproduce. The reproduction processes in bryophytes, ferns, gymnosperms, and angiosperms are highlighted. Reproductive structures and strategies are illustrated through easy-to-understand diagrams, close-up photography, and colorful 3-D animations. Concepts and terminology includes: haploid gametophyte, diploid sporophyte, archegonium, antheridium, sporophyte, fragmentation, sporangia, sori, seed, pollen, cone, stamen, pistil, style, ovule, and anther.

INVESTIGATING PLANT STRUCTURE AND FUNCTION ©2010

VLC234 **DIGITAL, DVD** \$99.95

Plants possess a wide variety of structures that enable them to accomplish amazing things. This engaging video investigates structures common to most plants and describes how these features enable them to survive. Familiar, every-day examples help students understand the means by which plants carry out their lives. Concepts and terminology include: meristematic tissue, ground tissue, cambium, xylem, epidermis, phloem, roots, cortex, herbaceous stem, stomates, pith, woody stem, terminal bud, guard cells, mesophyll, palisade, transpiration, and translocation.

PLANT GROWTH, DEVELOPMENT, AND RESPONSE ©2010

VLC235 **DIGITAL, DVD** \$99.95

From fertilization, to germination, to growth, to death, this video explores the life cycles of plants. The means by which plants respond to their environment is also highlighted. Specific attention is paid to development of seeds and the means by which plants grow and mature. Concepts and terminology include: fertilization, seed dispersal, germination, meristem, primary growth, secondary growth, dormancy, photoperiodism, tropism, phototropism, gravitropism, thigmotropism, auxin, and allelopathy.

PHOTOSYNTHESIS ©2010

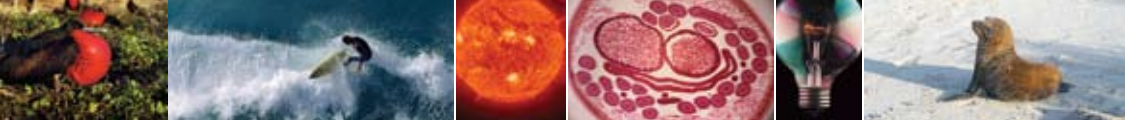
VLC236 **DIGITAL, DVD** \$99.95

Almost all life either directly or indirectly depends on one of the most important biological processes on the planet – photo-synthesis. Through easy-to-understand graphics and colorful animations, the complex chemical process of photosynthesis is explored. The various structures involved in photosynthesis, transpiration, and transport are also highlighted. Concepts and terminology include: chloroplast, photosystem, light reactions, light-independent reactions, carbon fixation, pigments, photon, absorption, spectrum, chlorophyll, carotenoids, electron transport, photophosphorylation, Calvin Cycle, and C⁴ plants.



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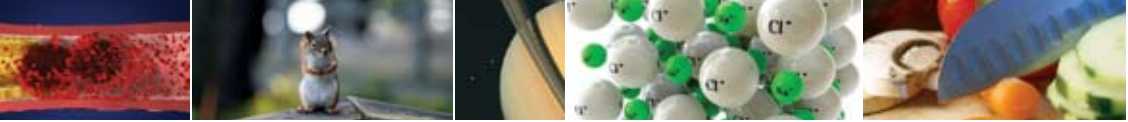


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