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## ALL SCIENCES

CDROM SkillsBankV  
372.4  
SK33F  
2003

SOFTWARE DESCRIPTIONS AND LESSONS for SKILLSBANK V  
Windows Version Networked 50 Users

Achievement Technologies' Assignment and Tracking System provides several important features:

- \*Manages multiple educational products simultaneously, giving teachers quicker and easier access to SkillsBank V
- \*Tests students' skills, providing both pretests and posttests to make initial assessments and gauge student progress
- \*Makes assignments, allowing teachers to select from a standard set of assignments or tailor assignments themselves
- \*Monitors student scores and completion of activities
- \*Produces reports for individual students and entire classes
- \*Provides online documentation, as well as printable activity sheets which extend the computer lessons to classroom or homework activities.

The Assignment and Tracking System has separate components for teachers and students.

Science I Lessons:

### LIFE SCIENCE

Test 1	Life Science Pretest
Lesson 1	The Cell I
Lesson 2	The Cell II
Lesson 3	Life Processes I
Lesson 4	Life Processes II
Lesson 5	Genetics
Quiz 1	Quiz
Lesson 6	Mechanisms of Change
Lesson 7	Classification
Lesson 8	Animal Life
Lesson 9	Plant Life
Test 2	Life Science Posttest

### PHYSICAL SCIENCE

Test 1	Physical Science Pretest
Lesson 1	Measurements
Lesson 2	Matter
Lesson 3	The Periodic Table
Lesson 4	States of Matter
Lesson 5	Chemical Reactions

Quiz 1	Quiz
Lesson 6	Energy
Lesson 7	Force and Motion
Lesson 8	Sound
Lesson 9	Light and Illumination
Test 2	Physical Science Posttest

#### EARTH SCIENCE

Test 1	Earth Science Pretest
Lesson 1	Universe
Lesson 2	Solar System
Lesson 3	Earth and Space
Lesson 4	Atmosphere
Lesson 5	Weather
Quiz 1	Quiz
Lesson 6	Oceans
Lesson 7	Water
Lesson 8	Dynamic Earth
Lesson 9	Rock and Minerals
Test 2	Earth Science Posttest

#### Science II Lessons:

##### BIOLOGY

Test 1	Biology Pretest
Lesson 1	Cell Structures and Functions
Lesson 2	Cellular Processes
Lesson 3	Genetics
Lesson 4	Classification and Diversity
Quiz 1	Quiz
Lesson 5	Plant Life
Lesson 6	Animal Life
Lesson 7	Humans I
Lesson 8	Humans II
Lesson 9	Microbes and Diseases
Test 2	Biology Posttest

##### CHEMISTRY

Test 1	Chemistry Pretest
Lesson 1	Matter
Lesson 2	Measurements in Chemistry
Lesson 3	Molecules and Compounds
Lesson 4	States of Matter I
Lesson 5	States of Matter II
Quiz 1	Quiz
Lesson 6	Nonmetals
Lesson 7	Metals

Lesson 8 Energy  
Lesson 9 Reactions  
Test 2 Chemistry Posttest

## PHYSICS

Test 1 Physics Pretest  
Lesson 1 Motion  
Lesson 2 Force  
Lesson 3 Momentum  
Lesson 4 Work and Mechanical Energy  
Lesson 5 Thermal Energy  
Quiz 1 Quiz  
Lesson 6 Waves I  
Lesson 7 Waves II  
Lesson 8 Optics  
Lesson 9 Electricity  
Test 2 Physics Posttest

MAN  
574  
C811s  
CORD Applications in Biology/Chemistry:  
A Contextual Approach to Laboratory Science  
(Accompanies the VHS)

VC  
338.064  
M671  
The Infinite Voyage: The Miracles of Design

VC  
371.775  
SA17  
Safety in the science laboratory (EME)

VC  
500  
Se25  
The Secret Life of 118 Green Street

VC  
501  
Sci27  
Scientific Methods and Values

VC  
501.20  
C869  
Critical Thinking in Science:  
The Power of the Quantitative

VC  
502.82  
In8  
Introduction to the Microscope & Laboratory  
Technique

VC 502.82 In8 1998	An introduction to the Microscope
VC 507.2 T22	To Do Science is to Know Science: My Life as a Scientist
VC 531.8 M622	The Millington and Barnard Collection
VC 542.1 ST28	Starting with Safety: An Introduction for Academic Chemistry Labs
VC 571.89 C622 1998	The Cloning Revolution
VC 573.21 Sci27 1995	Science, Society, and the Human Genome Project
VC 574 C811 Pt.1	CORD Applications in Biology/Chemistry: A Contextual Approach to Laboratory Science
VC 599.744 W831	Wolf: Return of a Legend
VC 611.018 V829 Pt 1	Visual Histology: Use of the Light Microscope
VC 614.57 Eb72	Ebola: The Plague Fighters
VC 616.014 H88 1997	Humans and Bacteria

- VC Human Gene Therapy and the Future of Modern  
616.042 Medicine  
M732  
1995
- VC E. coli: Case of the Mysterious Microbe  
616.92  
E1  
1998
- VC With Every Breath: The Hanta Virus  
616.925  
W772  
2000
- VC AIDS  
616.9792  
Ai25a  
1997
- VC Cousteau: Alaska: Outrage at Valdez  
628.16833  
A112
- VC Biotechnology  
660.6  
B524  
1995
- VC Odyssey of Life:  
778.31 Pt.1 The Photographer's Secrets  
OD9 Pt.2 The Unknown World Pt.3 The Ultimate Journey
- CD-ROM Cyber-Ed Series (listed individually with call numbers in each "Subject" section.  
  
The Biosphere, Biochemistry, Meiosis, Food Chains and Webs,  
Cellular Respiration, From DNA to Protein, The Plasma  
Membrane and Cellular Transport, Mitosis, Investigating  
Heredity, Mendel's Principles of Heredity, Protista, Viruses and  
Bacteria, Roots and Stems, The Leaf, Fungi, Birds: Characteristics  
and Adaptations, Enzymes, Blood and Immunity
- CD-ROM Cyber-Ed Series for Chemistry

## **ANATOMY AND PHYSIOLOGY**

CD	Anatomy & Physiology Systems (on Question Mark)
CD-ROM 611 Ad13g	A.D.A.M. Practice Practical: The Ideal Gross Anatomy Prep Tool
CD-ROM 611 AD13I 1997	A.D.A.M. Interactive Anatomy
CD-ROM 611 AD13	A.D.A.M. Comprehensive
CD-ROM 611 B632	BodyWorks 4.0: Human anatomy leaps to life
CD-ROM 612 AN16AT	Anatomy Tissues
CD-ROM 612 D993	The Dynamic Human v2.0 (Accompanies Text)
DVD 599.74447 M665 2007	The Mink Dissection
DVD 612 IN7N	Inside the human body Pt. 1 ,2, 3
VC 599.74447 M665 1998	Mink Dissection
VC 611 B63PB	Body Building

VC Affairs of the heart  
616.1  
AF26A

TM Life Sciences on File  
574.0222  
L626

## The Body as a Whole Organization of the Body The Chemical Basis of Life

CD-ROM Biochemistry: The Chemistry of Living Things  
574.192  
B52

VC Basic Chemistry for Biology Students  
540.2 with Study Guide  
B292

## Cells

CD-ROM Meiosis  
574.32  
M478

CD-ROM Cell Structure and Function: An Interactive  
574.87 Educational Multimedia Program  
C33

CD-ROM Cellular Respiration  
574.87  
C331

CD-ROM From DNA to Protein  
574.8732  
F925

CD-ROM The Plasma Membrane & Cellular Transport  
574.875  
P695

CD-ROM Mitosis  
574.87623  
M697

CD-ROM 575.1 IN8	Investigating Heredity
CD-ROM 575.11 M522	Mendel's Principles of Heredity
CD-ROM 574.88 D649	DNA: The Master Molecule
VC 574 M697	Mitosis and Meiosis: How Cells Divide
VC 574.19212 In8	An Investigation of Active Transport: Sodium Transport in Frog's Skin
VC 574.87 C33c	Cell Biology: Introduction to Living Cells (pt1) Molecular Building Blocks of Life (pt2), Chloroplast Pt 1 – 6 & Photosynthesis (pt3), Mitochondrion, ATP (pt4) DNA Replication & Mitosis (pt5), Genetic Code (6)
VC 574.8732 M732	Molecular Biology
VC 574.87623 M697	Mitosis
VC 611.018 V829 Pt 2 Tissues	Visual Histology: The Cell
CD-ROM 612 AN16AT	Anatomy tissues
VC 611.018 V829 Pt 3	Visual Histology: Epithelial Tissue

VC Visual Histology:  
611.018 Connective Tissue  
V829 Pt 4

## Support and Movement

### Skin and Its Appendages

CD-ROM Anatomy tissues  
612  
AN16AT

VC Visual Histology:  
611.018 Skin  
V829 Pt 10

### Skeletal Tissues

VC Visual Histology:  
611.018 Cartilage  
V829 Pt 6

VC Visual Histology:  
611.018 Bone  
V829 Pt 7

### The Skeletal System

VC The Skeleton  
611  
Sk26

VC Human Skeleton Pts 1 - 4: Axial Skeleton (1& 2)  
612.75 Appendicular Skeleton (pts 1 & 2)  
H88

### Articulations

### Physiology of the Muscular System

VC Visual Histology:  
611.018 Muscle  
V829 Pt 8

VC Muscles: Chemistry of Contraction  
612.74  
M971c

VC Muscles: Dynamics of Contraction  
612.74  
M971d

VC Muscles: Electrical Activity of Contraction  
612.74  
M971e

## Anatomy of the Muscular System

VC Systemic Anatomy of the Cat (pts 1 - 3):  
599.7442 Muscular System Pts 1 - 3  
Sy87

VC Muscles: Their Structure and Function  
612.74  
M971

## Communication, Control, and Integration Nervous System Cells

VC The Nature of the Nerve Impulse  
591.188  
N219

VC The Nerve Impulse  
591.188  
N358

VC Visual Histology:  
611.018 Nervous Tissue  
V829 Pt 9

## The Central Nervous System

VC The Nervous System  
612.8  
N359

VC The Human Brain  
612.82  
H88

## The Peripheral Nervous System

## Sense Organs

DVD           Mystery of the Senses  
612.87 Pts. 1-5 Hearing, Smell, Taste, Touch, Vision  
M999

DVD           Cybersenses  
616.804645  
C992C

VC            Visual Histology:  
611.018       The Ear, Nose, and Tongue  
V829 Pt 24

VC            Visual Histology:  
611.018       The Eye  
V829 Pt 25

VC            The Eyes and Seeing  
612.84  
Ey31

VC            The Ears and Hearing  
612.85  
Ea76

VC            Mystery of the Senses  
612.87        Pts. 1-5 Hearing, Touch, Sight, Smell, Taste  
M999

## The Endocrine System

VC            Visual Histology:  
611.018       The Pancreas  
V829 Pt 17

VC            Visual Histology:  
611.018       The Endocrine System  
V829 Pt 23

VC            The Endocrine System  
612.4  
En25

VC            The Endocrine System:  
612.4         The Body's Regulator  
En25b

## Transportation and Defense Blood

CD-ROM      Blood & Immunity  
612.11  
B623

VC              Visual Histology:  
611.018      Blood  
V829 Pt 5

VC              Blood: The Microscopic Miracle  
612.11  
B623

## Anatomy of the Cardiovascular System

VC              Systemic Anatomy of the Cat (pts 6 - 8):  
599.7442      Cardiovascular System Pts 1 - 3  
Sy87           pts 6 – 8

VC              Affairs of the heart  
616.1  
AF26A

## Physiology of the Cardiovascular System

VC              Visual Histology:  
611.018      The Circulatory System  
V829 Pt 11

VC              The Heart and Circulatory System  
612.1  
H351

## Lymphatic System

## Immune System

CD-ROM      Blood & Immunity  
612.11  
B623

DVD 616.979 B691B	The boy in the bubble
VC 610.0792 Im6	Our Immune System
VC 610.0792 Ou7	The Immune Response
VC 576.64 V819	Viruses: What They Are & How They Work
VC 589.9 Is7	The Isolation and Growth of Bacteria
VC 589.9 B139	Bacteria: Invisible Friends and Foes
VC 611.018 V829 Pt 19	Visual Histology: Organs of the Immune System
VC 616.014 B139	Bacteria
VC 616.9 M52	Men, Women, Sex and AIDS
VC 616.95 Se91t	Sexually Transmitted Diseases
VC 616.9792 Ai25	AIDS: What You Need to Know

## Stress

VC                    Stress: Is Your Lifestyle Killing You  
616.98  
St88

## Respiration, Nutrition, and Excretion Anatomy of the Respiratory System

VC                    The Lungs and Respiratory System  
612.2  
L972

## Physiology of the Respiratory System

VC                    Visual Histology:  
611.018            The Respiratory System  
V829 Pt 12

## Anatomy of the Digestive System

VC                    Systemic Anatomy of the Cat (pt 4):  
599.7442           Digestive System  
Sy87 pt 4

VC                    The Digestive System  
612.3  
D569

## Physiology of the Digestive System

VC                    Visual Histology: The Oral Cavity (13), The  
611.018            Esophagus and Stomach (14), The Small and  
V829                Large Intestine (15), The Liver and Gall  
Pt 13-16            Bladder(16)

## Nutrition and Metabolism

DVD                  Eat Right: using my pyramid  
616.3  
EAS1E

VC                    The World of Chemistry  
540                   Proteins: Structure and Function  
W893 Pt 23

VC  
547.78  
C42

Chemistry of Carbohydrates and Lipids

VC  
612  
En99

Enzymes: Regulators of Body Chemistry

VC  
612.3  
N959

Nutrition: Eating to Live or Living to Eat

## The Urinary System

VC  
599.7442  
Sy87

Systemic Anatomy of the Cat (pt 5):  
Urinary & Male & Female Reproductive  
pt 5

VC  
611.018  
V829

Visual Histology:  
The Urinary System  
pt 18

VC  
612.463  
W892

Work of the Kidneys

## Fluid and Electrolyte Balance

VC  
612.01522  
As74

Assessing Fluids and Electrolytes

## Acid-Base Balance

VC  
612  
Ac 47

Acid / Base Balance:  
Maintenance and Compensation Systems

VC  
612  
Ac47m

Acid / Base Balance:  
Metabolic Alkalosis and Acidosis

VC  
612  
Ac47r

Acid / Base:  
Respiratory Alkalosis and Acidosis

## Reproduction and Development

VC            Systemic Anatomy of the Cat (pt 5):  
599.7442    Urinary & Male and Female Reproductive  
Sy87 pt 5

VC            A New Life  
612.6  
N42

VC            Body Atlas: In the Womb  
612.63  
In1

VC            Magical Moments of Birth  
612.63  
M272

VC            Pregnancy: Mom and the Unborn Baby  
612.63  
P913

## Male Reproductive System

VC            Visual Histology:  
611.018    The Male Reproductive System  
V829 Pt 20

## Female Reproductive System

VC            Visual Histology:  
611.018    Female Reproductive System Pt 1  
V829        Ovary and Fallopian Tube(21), Uterus,  
Pt 21&22    Cervix, Vagina, & Mammary Gland(22)

## Growth and Development

DVD          The Baby Human: to think  
612.65  
B119B

## Genetics and Heredity

CD-ROM      Investigating Heredity

575.1  
IN8

CD-ROM Mendel's Principles of Heredity  
575.11  
M522

DVD The Ghost in your Genes  
576.6408  
G346G

VC Cell Biology: The Genetic Code:  
574.87 Transcription & Protein Synthesis  
C33c Pt 6

VC Biology Concepts: Mendelian Genetics  
575.1 with Study Guide  
B521

## **BIOLOGY**

DVD Lorenzo's Oil  
791.4372  
L887L

TM Life Sciences on File  
574.0222  
L626

VC The Cycles of Life Series:  
570 1.) The Unity and Diversity of Life 2.) Chemical Foundations of Life  
C992 3.) Secrets of the Cell 4.) The Power of Metabolism 5.) Energy in—  
Pts. 1-26 Energy out 6.) Generations: Mitosis and Meiosis 7.) Patterns of Inheritance 8.)  
DNA: Blueprint of Life 9.) Proteins: Building Blocks of Life 10.) Microevolution  
11.) Macroevolution 12.) Viruses, Bacteria, and Protistans 13.) Fungi, Plants, and  
Animals 14.) Plant Structure 15.) Plant Reproduction 16.) Animal Structure  
17.) Circulation: A River of Life 18.) Immunity 19.) Respiration 20.) Digestion  
and Fluid Balance 21.) The Neural Connection 22.) Endocrine Control: Systems  
in Balance 23.) Animal Reproduction and Development 24.) Populations and  
Communities 25.) Ecosystems and the Biosphere 26.) The Human Factor

VC Planet of Life  
574  
P693  
Pts. 1-4

## Life and Its Chemistry

### The Study of Life

### The Chemistry of Life

CD-ROM     Biochemistry  
574.192  
B52

VC            Basic Chemistry for Biology Students  
540.2        with Study Guide  
B292

## The Cell, The Smallest Unit of Life

### Cell Structure and Function

CD-ROM     Cell Structure and Function  
574.87  
C33

CD-ROM     Cellular Respiration  
574.87  
C331

CD-ROM     From DNA to Protein  
574.8732  
F925

VC            An Investigation of Active Transport:  
574.19212    Sodium Transport in Frog's Skin  
In8

VC            Cell Biology: An Introduction to Living Cells(1)  
574.87        Molecular Building Blocks of Life (2)  
C33c Pt1&2

VC            Inside the Living Cell: The Cell, The Unit of Life(1)  
574.87        The Evolution of Cells (2)  
In7 Pt 1 &2

VC            Molecular Biology  
574.8732  
M732

## The Cell Membrane

CD-ROM Plasma Membrane  
574.875  
P695

VC Inside the Living Cell:  
574.87 The Outer Envelope  
In7 Pt 6

## Metabolism: Energy and Enzymes

CD-ROM Enzymes  
612  
EN99

VC Chemistry of Carbohydrates and Lipids  
547.78  
C42

VC Cell Biology:  
574.87 The Mitochondrion and ATP Synthesis  
C33c Pt 4

VC Inside the Living Cell: How Cells Obtain Energy(3)  
574.87 How Cells Are Controlled(5)  
In7 Pt 3,5

VC Enzymes: Regulators of Body Chemistry  
612  
En99

## Photosynthesis and Cellular Respiration

CD-ROM Photosynthesis  
581.13342  
P566

VC The Science of Energy  
530  
Sci27

VC Cellular Respiration: The Cell & Energy (pt1),  
574.1 Glycolysis I (pt 2), Glycolysis II (pt 3), The Krebs  
C331 Cycle (pt4), Oxidative Phosphorylation (pt 5),  
Pts 1 - 6 Metabolism & Nutrition (pt 6)

VC Cell Biology:

574.87 Chloroplast and Photosynthesis  
C33c Pt 3

VC Photosynthesis: Seeing the Light (pt 1), Absorbing  
581.13342 the Light (pt 2), The Light Reaction (pt 3), The  
P566 Dark Reaction (pt 4), C3 and C4 Plants (pt 5)  
Pts 1 - 6 The Fluid Transport System ( pt 6)

VC Photosynthesis and Assimilate Transport  
581.13342  
P566a

VC Photosynthesis : Energy and Life  
581.13342  
P566e

## Cell Division

CD-ROM DNA: The Master Molecule  
574.88  
D649 Pts. 1&2

CD-ROM Meiosis  
574.32  
M478

CD-ROM Mitosis  
574.87623  
M697

VC Mitosis and Meiosis: How Cells Divide  
574  
M697

VC Cell Biology:  
574.87 DNA: Replication and Mitosis  
C33c Pt 5

VC Inside the Living Cell:  
574.87 How Cells Reproduce  
In7 Pt 4

VC The Living Cell: DNA  
574.87  
L761

VC Mitosis  
574.87623  
M697

## Plant Biology Plant Organization and Growth

CD-ROM Plant Anatomy  
581  
P694

CD-ROM Roots and Stems  
581.10428  
R679

CD-ROM The Leaf  
581.497  
L47

VC Developmental Biology: Patterns in Green  
581.1  
D492

## Plant Physiology and Reproduction

CD-ROM Plant Anatomy  
581  
P694

VC Sexual Encounters of the Floral Kind  
581.3  
Se92

## Human Anatomy and Physiology

CD-ROM A.D.A.M. Practice Practical:  
611 The Ideal Gross Anatomy Prep Tool  
Ad13g

CD-ROM A.D.A.M. Comprehensive  
611  
AD13

## Human Organization

VC            The Incredible Human Machine  
612  
In2

## Digestion

VC            Chemistry of Carbohydrates and Lipids  
547.78  
C42

VC            Systemic Anatomy of the Cat (pt 4):  
599.7442     Digestive  
Sy87 pt 4

VC            The Digestive System  
612.3  
D569

VC            The Endocrine System:  
612.4        The Body's Regulator  
En25b

## Circulation

VC            Systemic Anatomy of the Cat (pts 6 - 8):  
599.7442     Cardiovascular System Pts 1 - 3  
Sy87 pts 6 - 8

VC            The Heart and Circulatory System  
612.1  
H351

VC            Blood: The Microscopic Miracle  
612.11  
B623

## The Lymphatic System and Immunity

VC            Our Immune System  
610.0792  
Im6

VC            The Immune Response  
610.0792  
Ou7

VC  
576.64  
V819 Viruses: What They Are &  
How They Work

VC  
589.9  
Is7 The Isolation and Growth of Bacteria

VC  
589.9  
B139 Bacteria: Invisible Friends and Foes

VC  
611.018  
V829 Pt 19 Visual Histology:  
Organs of the Immune System

VC  
616.014  
B139 Bacteria

VC  
616.9  
M52 Men, Women, Sex and AIDS

VC  
616.95  
Se91t Sexually Transmitted Diseases

VC  
616.9792  
Ai25 AIDS: What You Need to Know

## Respiration

VC  
612.2  
L972 The Lungs and Respiratory System

## Excretion

VC  
599.7442  
Sy87 pt 5 Systemic Anatomy of the Cat (pt 5):  
Urinary & Male & Female Reproduction

VC            Work of the Kidneys  
612.463  
W892

## The Nervous System

VC            The Nature of the Nerve Impulse  
591.188  
N219

VC            The Nerve Impulse  
591.188  
N358

VC            The Nervous System  
612.8  
N359

VC            The Human Brain  
612.82  
H88

## The Musculoskeletal System

VC            Systemic Anatomy of the Cat (pts 1-3):  
599.7442      Muscular System Pts 1 - 3  
Sy87 pts 1 - 3

VC            The Skeleton  
611  
Sk26

VC            Human Skeleton Pts 1 - 4: Axial Skeleton (1& 2)  
612.75        Appendicular Skeleton (pts 1 & 2)  
H88 Pts 1 – 4

VC            Muscles:  
612.74        Their Structure and Function  
M971

VC            Muscles:  
612.74        Chemistry of Contraction  
M971c

VC            Muscles:  
612.74        Dynamics of Contraction

M971d

VC Muscles:  
612.74 Electrical Activity of Contraction  
M971e

## Senses

VC The Eyes and Seeing  
612.84  
Ey31

VC The Ears and Hearing  
612.85  
Ea76

## Hormones

### Human Reproduction, Development and Inheritance The Reproductive System

VC Systemic Anatomy of the Cat (pt 5):  
599.7442 Urinary & Male & Female Reproduction  
Sy87 pt 5

VC Human Reproduction  
612.6  
H88

VC A New Life  
612.6  
N42

VC Body Atlas: In the Womb  
612.63  
In1

VC Magical Moments of Birth  
612.63  
M272

VC Pregnancy: Mom and the Unborn Baby  
612.63  
P913

## Development

DVD            The Baby Human: to think

612.65

B119B

VC            Developmental Biology

574.87

D492

VC            Prenatal Development

612.6

P917

VC            Child Development

612.65

C436

## Patterns of Gene Inheritance

CD-ROM      Exploring Genetics and Heredity

575.1

Ex74

CD-ROM      Investigating Heredity

575.1

IN8

CD-ROM      Mendel's Principles of Heredity

575.11

M522

VC            Biological Concepts: Mendelian Genetics  
with Study Guide

575.1

B292

VC            Genetic Fix

575.1

G286

VC            Genetic Biology

575.1

G286b

VC            Heredity

575.1

H42

## Patterns of Chromosome Inheritance

### The Molecular Basis of Inheritance

CD-ROM     DNA: The Master Molecule  
574.88  
D649 Pts. 1&2

CD-ROM     Investigating Heredity  
575.1  
IN8

CD-ROM     Mendel's Principles of Heredity  
575.11  
M522

VC            The World of Chemistry  
540            The Genetic Code  
W893 Pt24

VC            Protein Synthesis: Protein: The Stuff of Life (pt 1),  
574.19        DNA: The Molecule of Heredity (pt 2), DNA  
P946         Replication: the Repeating Formula (pt 3), RNA  
Pts.1 -6      Synthesis: The Genetic Messenger (pt 4), Transfer  
                 RNA: The Genetic Messenger (pt 5), Ribosomal  
                 RNA: The Protein Maker

VC            Meiosis: The Key to Genetic Diversity  
574.32  
M478

VC            Meiosis  
574.32  
M478m

VC            Cell Biology: The Genetic Code:  
574.87        Transcription & Protein Synthesis  
C33c Pt.6

### Recombinant DNA and Biotechnology

VC            The Human Genome  
573.21  
H88

VC  
574.87  
G286

Genetic Engineering

VC  
574.87  
Se25  
Pts 1 - 8

The Secrets of Life: The Immortal Thread (pt 1),  
Accidents of Creation (pt 2), Birth, Sex & Death  
(pt 3), Conquering Cancer (pt 4), Cell Wars (pt 5),  
The Mouse that Laid the Golden Egg (pt 6),  
Children by Design (pt 7), Who Are You? (Pt 8)

VC  
574.873282  
C982

Cutting and Splicing DNA

VC  
575  
Ev64

Evolution: Man Takes a Hand

## Evolution and Diversity

### The Origin of Life

### Evolution

VC  
574.01  
T199

Taxonomy:  
How Living Organisms Differ

VC  
575.01  
C438

Children of Eve

VC  
575.01  
Ev64

Evolution and Human Equality

VC  
575.1  
Ev64

Evolutionary Biology

## Viruses, Monera, Protists and Fungi

CD-ROM  
581  
B292

Basic Botany

CD-ROM 576.14 P946	Protista
CD-ROM 576.64 V819	Viruses & Bacteria
CD-ROM 589.2 F963	Fungi
VC 576.64	Viruses: What They Are & How They Work
VC 589.3 Al31	Algae
VC 589.9 B139	Bacteria: Invisible Friends and Foes
VC 589.9 Is7	The Isolation and Growth of Bacteria
VC 593 Am66	The Amoeba . . . Oozing Along
VC 593.1 W416	Wee-beasties: The Protozoa
VC 616 V819	Viruses: The Mysterious Enemy
VC 616.014 B139	Bacteria
VC 616.05 F96	Fungi

## The Plant Kingdom

CD-ROM 581 B292	Basic Botany
VC 582.13 An45	Angiosperms: The Flowering Plants
VC 585 G998	Gymnosperms

## The Animal Kingdom

CD-ROM 591.4078 L478	Learning All About Dissection The Earthworm, The Crayfish, The Fish, The Frog I & II, The Fetal Pig I & II
VC 591.5249 P212	Parasitism: Parasitic Flatworms
VC 595.12 F617	Flatworms: Platyhelminthes
VC 595.2 J668	The Jointed Legged Animals: Arthropods
VC 595.7 Ar59	Army Ants: A Study of Social Behavior
VC 595.7 L626	Life Story of a Social Insect: The Ant
VC 595.799 L626	The Life of the Honeybee

## Behavior and Ecology

Animal Behavior  
The Biosphere  
Ecosystem

CD-ROM 333.95 B524	The Biosphere
CD-ROM 551.46 Oc2	Ocean Planet
CD-ROM 551.46 T86	Turning the Tide: America's Coast at a Crossroads
CD-ROM 574.5 F739	Food Chains & Webs
VC 333 L229	Land For People, Land For Bears
VC 333.91 W53	The Wet Look
VC 363.7 P765	The Pollution Solution
VC 574.5 Ec73	Ecological Biology
VC 574.5 Ec73f	Ecology: Food Chains
VC 574.520 Ec73	Ecology: Populations, Communities and Biomes
VC	Aquatic Ecosystems: Estuaries

574.52636  
Aq35

VC            Secrets of the Salt Marsh  
574.52636  
Se25

VC            The Ecology of the Forest  
581.52642  
Ec73

VC            Vegetation Assessment  
581.9  
V524

## Human Population Concerns

VC            Man and His Environment:  
301.3        In Harmony and In Conflict  
M311

VC            AIDS: Impact on the Family  
362.196  
Ai25i

VC            AIDS: The Women Speak  
362.196  
Ai25w

VC            Ignoring the Risks: Teenage Pregnancy and AIDS  
362.196  
Ig5

VC            AIDS: No-Nonsense Answers  
616.9792  
Ai25n

VC            Living and Dying with AIDS  
616.9792  
L761

# **BOTANY**

TM            Life Sciences on File  
574.0222  
L626

VC            Poplarville Tree Walk  
582.16  
P812

## Survey of Plant Kingdom Classification

CD-ROM     Basic Botany  
581  
B292

VC            Taxonomy:  
574.01        How Living Organisms Differ  
T199

VC            Developmental Biology: Patterns in Green  
581.1  
D492

## Primary Meristems

CD-ROM     Plant Anatomy  
581.4  
P694

## Stem Anatomy

CD-ROM     Plant Anatomy  
581.4  
P694

## Leaf Anatomy

CD-ROM     The Leaf – Cyber-Ed

CD-ROM     Plant Anatomy  
581.4  
P694

## Root Anatomy

CD-ROM    Roots & Stems    Cyber-Ed

CD-ROM    Plant Anatomy  
581.4  
P694

## Plant Ecology

VC            Ecology: Food Chains  
574.5  
Ec73f

VC            Ecology: Populations,  
574.520      Communities and Biomes  
Ec73

VC            The Ecology of the Forest  
581.52642  
Ec73

VC            Vegetation Assessment  
581.9  
V524

## Gymnosperms

CD-ROM    Basic Botany  
581  
B292

### Angiosperms

CD-ROM    Basic Botany  
581  
B292

## Flower

CD-ROM    Basic Botany  
581  
B292

CD-ROM    Plant Anatomy  
581.4

P694

VC            Developmental Biology: Patterns in Green  
581.1  
D492

VC            Sexual Encounters of the Floral Kind  
581.3  
Se92

## Fruit

CD-ROM     Plant Anatomy  
581.4  
P694

## Metabolism

## Cell and Cell Division

CD-ROM     Plant Anatomy  
581.4  
P694

CD-ROM     DNA: The Master Molecule  
574.88  
D649 Pts. 1&2

VC            Mitosis and Meiosis: How Cells Divide  
574  
M697

VC            Meiosis: The Key to Genetic Diversity  
574.32  
M478

VC            Meiosis  
574.32  
M478m

VC            Cell Biology: Introduction to Living Cells(1),  
574.87        The Molecular Building Clocks of Life (2),  
C33c          Mitochondrion and ATP Synthesis (4),  
Pts 1,2,4,5    DNA: Replication and Mitosis(5)

VC Inside the Living Cell: The Cell, The Unit of Life 1,  
574.87 The Evolution of Cells (2), How Cells Obtain  
In7 Pt 1 - 6 Energy (3), How Cells Reproduce (4), How Cells  
Are Controlled (5), The Outer Envelope (6)

## Absorption and Transport

## Photosynthesis and Respiration

CD-ROM Photosynthesis  
581.13342  
P566

VC The Science of Energy  
530  
Sci27

VC Cellular Respiration: The Cell & Energy (pt1),  
574.1 Glycolysis I (pt 2), Glycolysis II (pt 3), The Krebs  
C331 Cycle (pt4), Oxidative Phosphorylation (pt 5),  
Pts 1 - 6 Metabolism & Nutrition (pt 6)

VC Cell Biology:  
574.87 Chloroplast and Photosynthesis  
C33c Pt 3

VC Photosynthesis: Seeing the Light (pt 1), Absorbing  
581.13342 the Light (pt 2), The Light Reaction (pt 3), The  
P566 Dark Reaction (pt 4), C3 and C4 Plants (pt 5)  
Pts 1 - 6 The Fluid Transport System ( pt 6)

VC Photosynthesis and Assimilate Transport  
581.13342  
P566a

VC Photosynthesis: Energy and Life  
581.13342  
P566e

## Genetics

CD-ROM Exploring Genetics and Heredity  
575.1  
Ex74

VC Protein Synthesis: Protein: The Stuff of Life (pt 1),  
574.19 DNA: The Molecule of Heredity (pt 2), DNA  
P946 Replication: the Repeating Formula (pt 3), RNA  
Pts.1 -6 Synthesis: The Genetic Messenger (pt 4), Transfer  
RNA: The Genetic Messenger (pt 5), Ribosomal  
RNA: The Protein Maker

VC Cell Biology: The Genetic Code:  
574.87 Transcription & Protein Synthesis  
C33c Pt 6

## Fungi

CD-ROM Basic Botany  
581  
B292

VC Inheritance in a Fungus  
589.2  
In4

VC Fungi  
616.05  
F963

## Algae

CD-ROM Basic Botany  
581  
B292

VC Algae  
589.3  
Al31

## Bryophytes

CD-ROM Basic Botany  
581  
B292

## Lower Vascular Plants Gymnosperms

CD-ROM     Basic Botany  
581  
B292

VC            Gymnosperms  
585  
G998

## Angiosperms

CD-ROM     Basic Botany  
581  
B292

CD            What is This?  
574            What Tree is This?  
W556 pt.1

VC            Angiosperms: The Flowering Plants  
582.13  
An45

## **CHEMISTRY**

CD-ROM     Cyber-Ed Chemistry Series: 1) Introduction to Chemistry 2) Bonding  
540            I 3) Bonding II 4) Electronic Structure 5) Naming Chemical  
In8            Compounds 6)Formulas, Equations, and Stoichiometry 7) Atomic  
Pts. 1-9      Structure 8) Periodic Table 2000 and Trends 9) Properties of Acids, Bases and  
                  Salts

VC            Safety in the Science Lab  
371.775  
SA17

VC            Starting with Safety: Introduction for Academic  
542.1        Chemistry Labs  
ST28

## The Basics of Chemistry and Chemical Reactions Introduction

VC            The World of Chemistry:  
540            The World of Chemistry (1),  
W893        Measurement: The Foundation of Chemistry(3)  
Pt 1,3,26    Futures (26)

## Atoms, Molecules, and Moles

VC            The Ring of Truth: Program 5 - Atoms  
501  
R472 Pt. 5

VC            The World of Chemistry: Modeling the Unseen(4),  
540            The Atom(6), Signals From Within(10), The  
W893           Mole(11), Molecules in Action(14), The Busy  
Pt4,6,10,11, Electron(15), The Proton in Chemistry(16)  
14-16

VC            Chemistry  
546            Elements, Compounds, and Mixtures  
C42 Pt 1

VC            The Atom  
547  
At71

## Chemical Reactions and the Mole Concept

### The Periodic Table and Some Properties of the Elements

VC            The World of Chemistry  
540            The Periodic Table  
W893 Pt 7

VC            Chemistry  
546            The Periodic Table and Periodicity  
C42 Pt 2

## Chemical Reactions in Aqueous Solution

VC            Water: A Miraculous Substance  
553.7  
W291

## The Structure of Matter and the Origin of Chemical Periodicity

### Energy and Energy Changes: Thermochemistry

### Electronic Structure and the Periodic Table

VC            The World of Chemistry  
540            The Precious Envelope  
W893 Pt 17

## Chemical Bonding: General Concepts

VC            The World of Chemistry  
540            Chemical Bonds  
W893 Pt 8

VC            Chemistry  
546            Chemical Bonding & Atomic Structure  
C42 Pt 3

## Covalent Bonding and Molecular Structure

VC            The World of Chemistry  
540            Molecular Architecture  
W893 Pt 9

## Chemical Reactions and the Periodic Table

VC            The World of Chemistry  
540            The Driving Forces(13)  
W893            On the Surface (20)  
Pt 13 & 20

VC            Chemistry  
546            Reaction Rates and Equilibrium  
C42 Pt 6

## Physical Properties and the States of Matter

### Properties of Gases

### States of Matter and Intermolecular Forces

VC            The World of Chemistry  
540            A Matter of State  
W893 Pt5

## Physical Properties of Colloids and Solutions

VC            The World of Chemistry  
540            Water  
W893 Pt12

VC            Chemistry  
546            Solutions (ionic & molecular)

C42 Pt 4

VC Water: A Miraculous Substance  
553.7  
W291

Factors That Control the Outcome of Reactions  
Chemical Thermodynamics  
Chemical Equilibrium in Gaseous Systems

Acid-Base Equilibria in Aqueous Solutions

VC Chemistry  
546 Acids, Bases & Salts  
C42 Pt 5

Solubility and Complex Ion Equilibria  
Electrochemistry  
Chemical Kinetics: The Study of the Rates of Chemical

Reactions  
Survey of the Chemistry of the Elements  
Metals and Their Compounds; the Representative Metals

VC The World of Chemistry  
540 Metals  
W893 Pt19

The Transition Metals

Hydrogen, Oxygen, Nitrogen, and Carbon and an  
Introduction to Organic Chemistry

VC The World of Chemistry  
540 Carbon  
W893 Pt 21

Phosphorus, Sulfur, the Halogens, the Noble Gases and  
Silicon, and an Introduction to Polymer Chemistry

VC            The World of Chemistry  
540           The Chemistry of the Earth (18)  
W893        The Age of Polymers (22)  
Pt 18 & 22

## Nuclear Reactions and Their Role in Chemistry Nuclear Chemistry

### **MARINE LIFE**

TM            Life Sciences on File  
574.0222  
L626

VC            Water: A Miraculous Substance  
553.7  
W291

VC            Exploring Marine Biology  
574.92  
Ex74

## The Ocean as a Habitat Some Ecological and Biological Concepts

CD-ROM     Ocean Planet  
551.46  
Oc2

CD-ROM     Turning the Tide:  
551.46       America's Coast at a Crossroads  
T86

VC            Man and His Environment:  
301.3        In Harmony and in Conflict  
M311

VC            Taxonomy:  
574.01       How Living Organisms Differ  
T199

VC            Ecological Biology  
574.5  
Ec73

VC Ecology: Food Chains  
574.5  
Ec73f

VC Ecology: Populations,  
574.520 Communities and Biomes  
Ec73

## An Overview of Marine Animals

VC The Jointed Legged Animals: Arthropods  
595.2  
J668

## Marine Primary Producers

VC Algae  
589.3  
Al31

## Primary Production in the Sea Estuaries

VC Aquatic Ecosystems: Estuaries  
574.52636  
Aq35

VC Secrets of the Salt Marsh  
574.52636  
Se25

Benthic Communities  
Intertidal Communities  
Coral Reefs  
Zooplankton  
The Nekton  
Marine Tetrapods  
Fisheries  
Ocean Pollution

VC Trashing the Oceans  
363.7  
T69

## MICROBIOLOGY

### **Microbes In Motion 2 Accompanies & is sold with Text**

CD-ROM Identibacter interactus: simulation of bacterial  
589.9 identification.  
Id2

CD-ROM Fungi  
589.2  
F963

CD-ROM Viruses and Bacteria  
576.64  
V819

CD-ROM From DNA to Protein  
574.8732  
F925

CD-ROM Protista  
576.14  
P946

S Microorganisms: Accompanies Text  
576  
M583

TM Life Sciences on File  
574.0222  
L626

Microorganisms and Microbiology  
Unity of the Microbial World  
Diversity of the Microbial World

CD-ROM Basic Botany (Algae, Fungi)  
581  
B292

VC Inheritance in a Fungus  
589.2

In4

VC           Algae  
589.3  
Al31

VC           Wee-beasties: The Protozoa  
593.1  
W416

VC           Fungi  
616.05  
F963

## Science of Microbiology: Methods for Studying Microorganisms Chemistry For the Microbiologist

C            An Audio Tutorial:  
540         Introduction to Chemistry  
Au25 Pts 1 -22

CD-ROM     Cell Structure and Function  
574.87  
C33

VC           The Ring of Truth: Program 5 - Atoms  
501  
R472 Pt. 5

VC           The World of Chemistry  
540         The Atom  
W893 Pt 6

VC           Basic Chemistry for Biology Students  
540.2       with Study Guide  
B292

VC           Chemistry  
546         Elements, Compounds, and Mixtures  
C42 Pt 1

VC           The Atom  
547  
At71

## Cellular and Molecular Microbiology

### Cell Structure

CD-ROM      Cell Structure and Function  
574.87  
C33

VC              Cell Biology: Introduction to Living Cells (1),  
574.87          Molecular Building Blocks of Life (2)  
C33c  
Pt 1 & 2

VC              Inside the Living Cell:  
574.87          The Cell, The Unit of Life (1)  
In7              The Evolution of Cells(2)  
Pt 1,2,6        The Outer Envelope (6)

### Cell Metabolism

VC              Mitosis and Meiosis: How Cells Divide  
574  
M697

VC              Cellular Respiration: The Cell & Energy (1),  
574.1           Glycolysis I ( 2), Glycolysis II ( 3), The Krebs  
C331            Cycle (4), Oxidative Phosphorylation ( 5),  
Pts 1 - 6       Metabolism & Nutrition (6)

VC              Cell Biology:  
574.87          The Mitochondrion and ATP Synthesis  
C33c Pt4

VC              Inside the Living Cell:  
574.87          How Cells Obtain Energy(3)  
In7              How Cells Reproduce(4)  
Pt 3-5         How Cells are Controlled (5)

VC              Molecular Biology  
574.8732  
M732

VC              Mitosis  
574.87623  
M697

VC Enzymes: Regulators of Body Chemistry  
612  
En66

## Microbial Genetics: Replication and Expression of Genetic Information

CD-ROM Exploring Genetics and Heredity  
575.1  
Ex74

CD-ROM DNA: The Master Molecule  
574.88  
D649 Pts. 1&2

VC The World of Chemistry  
540 The Genetic Code  
W893 Pt24

VC Meiosis: The Key to Genetic Diversity  
574.32  
M478

VC Meiosis  
574.32  
M478m

VC Cell Biology:  
574.87 DNA: Replication and Mitosis (5)  
C33c Transcription & Protein Synthesis (6)  
Pt 5,6

VC The Living Cell: DNA  
574.87  
L761

VC Biological Concepts: Medelian Genetics  
575.1 with Study Guide  
B521

VC Genetic Fix  
575.1  
G286

VC Genetic Biology  
575.1  
G286b

## Genetic Recombination and Recombinant DNA Technology

VC            The World of Chemistry  
540           Proteins: Structure and Function  
W893 Pt23

VC            The Human Genome  
573.21  
H88

VC            Protein Synthesis: Protein: The Stuff of Life (pt 1),  
574.19       DNA: The Molecule of Heredity (pt 2), DNA  
P946        Replication: the Repeating Formula (pt 3), RNA  
Pts.1 -6     Synthesis: The Genetic Messenger (pt 4), Transfer RNA: The Genetic Messenger  
              (pt 5), Ribosomal RNA: The Protein Maker

VC            Genetic Engineering  
574.87  
G286

VC            The Secrets of Life: The Immortal Thread (pt 1),  
574.87       Accidents of Creation (pt 2), Birth, Sex & Death  
Se25        (pt 3), Conquering Cancer (pt 4), Cell Wars (pt 5),  
Pts 1 - 8    The Mouse that Laid the Golden Egg (pt 6),  
              Children by Design (pt 7), Who Are You? (Pt 8)

VC            Cutting and Splicing DNA  
574.873282  
C982

VC            Evolution: Man Takes a Hand  
575  
Ev64

## Microbial Growth and Its Control Viral Replication

VC            Viruses: What They Are &  
576.64       How They Work  
V819

## Bacterial Reproduction and Growth of Microorganisms

VC  
589.9  
Is7

The Isolation and Growth of Bacteria

Control of Microbial Growth and Death  
Microorganisms and Human Diseases  
Microorganisms and Human Diseases

VC  
589.9  
B139

Bacteria: Invisible Friends and Foes

VC  
616.014  
B139

Bacteria

VC  
616.123  
T79

Tuberculosis: The Forgotten Plague

Nonspecific Host Defenses Against Microbial Infections:  
The Immune Response

VC  
610.0792  
Im6

Immune Response

VC  
610.0792  
Ou7

Our Immune System

Specific Host Defenses Against Microbial Infections:  
The Immune Response

VC  
610.0792  
Im6

Immune Response

VC  
610.0792  
Ou7

Our Immune System

Immune Response and Human Diseases

VC  
610.0792  
Im6

Immune Response

VC  
610.0792  
Ou7

Our Immune System

## Diagnosis of Human Diseases Treatment of Infectious Diseases

VC  
616.9  
In3

Infection Control  
An Updated for the Health Profession

## Infectious Diseases

VC  
576.64  
V819

Viruses: What They Are &  
How They Work

VC  
614.57  
Eb72

Ebola: The Plague Fighters

VC  
616  
V819

Viruses: The Mysterious Enemy

## Diseases Caused by Viruses: Diseases of the Respiratory, Gastrointestinal and Genital Tracts

VC  
362.196  
Ai25i

AIDS: Impact on the Family

VC  
362.196  
Ai25w

AIDS: The Women Speak

VC  
362.196  
Ig5

Ignoring the Risks: Teenage Pregnancy and AIDS

VC  
AIDS: No-Nonsense Answers

616.9792  
Ai25n

VC Living and Dying with AIDS  
616.9792  
L761

VC Men, Women, Sex and AIDS  
616.9  
M52

VC Sexually Transmitted Diseases  
616.95  
Se91t

VC AIDS: What You Need to Know  
616.9792  
Ai25

VC AIDS Research: The Story So Far  
616.9792  
Ai 25r

**Viral Diseases of the Central Nervous, Cardiovascular, Lymphatic  
Systems, Skin and Eye**

**Diseases Caused by Bacteria: Diseases of the Respiratory and  
Gastrointestinal Tracts**

**Bacterial Diseases of the Central Nervous, Cardiovascular, Lymphatic  
Systems**

**Bacterial Diseases of the Urinary Tract, Genital Tract, Skin, Eyes, Ears,  
and Oral Cavity**

**Diseases Caused by Eukaryotic Organisms**

VC Parasitism: Parasitic Flatworms  
591.5249  
P212

VC The Amoeba . . . Oozing Along  
593  
Am66

Applied and Environmental Microbiology  
Industrial Microbiology  
Environmental Microbiology

## ORGANIC CHEMISTRY

Atoms and Molecules--- A Review (1 -43)

VC            The Ring of Truth - Atoms  
501  
R472 Pt.5

VC            The World of Chemistry: Modeling the Unseen(4)  
540            The Atom (6), The Periodic Table(7), Signals From  
W893            Within(10), The Mole (11), Molecules in  
Pt 4,6,7,10,11,14 - 16 Action(14), The Busy Electron(15),  
The Proton in Chemistry (16)

VC            Chemistry: Elements, Compounds, and  
546            Mixtures (1), The Periodic Table and Periodicity  
C42 Pt 1&2

VC            The Atom  
547  
At71

Orbitals and Their Role in Covalent Bonding  
Structural Isomerism, Nomenclature and Alkanes  
Stereochemistry  
Alkyl Halides; Substitution and Elimination Reactions

Free Radical Reactions  
Alcohols  
Ethers, Epoxides and Sulfides  
Spectroscopy I: Infrared and Nuclear Magnetic Resonance

Alkenes and Alkynes  
Aromaticity and Benzene: Electrophilic Aromatic Substitution

Substituted Benzenes

Aldehydes and Ketones  
Carboxylic Acids  
Derivatives of Carboxylic Acids  
Conjugate Addition  
Enolates and Carbanions: Building Blocks for Organic  
Synthesis  
Amines  
Polycyclic and Heterocyclic Aromatic Compounds  
Natural Products: Studies in Organic Synthesis  
Pericyclic Reactions

Spectroscopy II: Ultraviolet Spectra, Color and Vision, Mass  
Spectra

VC Interpretation of Infrared Spectra  
547.308  
In8i

VC Interpretation of Mass Spectra  
547.308  
In8m

VC Interpretation of NMR Spectra  
547.308  
In8n

Carbohydrates

VC Chemistry of Carbohydrates and Lipids  
547.78  
C42

Lipids

VC Chemistry of Carbohydrates and Lipids  
547.78  
C42

Amino Acids and Proteins

VC            The World of Chemistry  
540           Proteins: Structure and Function  
W893 Pt 23

## Nucleic Acids

# **PHYSICAL SCIENCE**

## Measurement

VC            The Ring of Truth: Looking (1),  
501           Mapping (4)  
R472 Pt. 1, 4

## Motion

VC            Isaac Newton: His Life and Work  
509.24  
Is1

VC            The Mechanical Universe  
531           Newton's Laws  
M464Pt 6

## Force and Motion

VC            The Mechanical Universe: Inertia (4),  
531           Moving in Circles (9), Fundamental Forces (10),  
M464        Conservation of Momentum (15)  
Pt 4,9,10,15

## Work and Energy

VC            The Ring of Truth: Change  
501  
R472 Pt. 2

VC            The Science of Energy  
530  
Sci27

## Temperature and Heat

VC            The Mechanical Universe:  
531           Temperature and Gas Law(45),

M464 Low Temperatures (48)  
Pt 45,48

## Waves

VC The Mechanical Universe  
531 Waves  
M464 Pt 18

## Wave Effects

VC The Mechanical Universe:  
531 Harmonic Motion (16),  
M464 Resonance (17)  
Pt 16,17

## Electricity and Magnetism

VC The Mechanical Universe: Static Electricity (28),  
531 The Electric Field (29), Voltage, Energy &  
M464 Force (31), The Electric Battery (32), Electric  
Pts 28, 29, Circuits (33), Magnets (34), Magnetic Fields (35),  
31-35, 38 Alternating Current (38)

## Atomic Physics

DVD Einstein revealed  
530.092  
FI68F

DVD Einstein's big idea  
530.11  
FI68F

VC The Ring of Truth: Atoms  
501  
R472 Pt. 5

VC Einstein: The Private Thoughts of a Public  
530.0924 Genius  
Ei68

VC The Mechanical Universe:  
531 The Atom (49),  
M464 Pt 49,51 From Atoms to Quarks (51)

VC            The World of Chemistry  
540            The Atom  
W893 Pt 6

VC            The Atom  
547  
At71

## Nuclear Physics

### The Chemical Elements

VC            The World of Chemistry:  
540            A Matter of State (5),  
W893            The Periodic Table (7),  
Pts 5,7,9        Molecular Architecture (9)

VC            Chemistry:  
546            Elements, Compounds, and Mixtures (1)  
C42 Pt 1&2      The Periodic Table and Periodicity (2)

## Chemical Bonding

VC            The World of Chemistry: Modeling the Unseen (4),  
540            Chemical Bonds (8)  
W893 Pt 4,8

VC            Chemistry  
546            Chemical Bonding and Atomic Structures  
C42 Pt 3

## Chemical Reactions

VC            Chemistry  
546            Solutions; Acids, Bases, and Salts;  
C42 Pts. 4,5,6    Reaction Rates & Equilibrium

## Some Chemical Principles

CD            Introduction to General Chemistry  
540            Ideal Gases, Solutions  
In8 Pt 9, 10

# Organic Chemistry

## The Solar System

CD-ROM     Explore the Planets  
523.4  
EX74

S             Shuttle Views From the Earth:  
551.46       Oceans From Space  
Sh94

S             Earthview  
910.02  
Ea76v

VC           The Ring of Truth: Doubt  
501  
R472 Pt. 6

VC           Halley's Comet  
523.64  
H155

VC           The Miracle Planet:  
550           The Third Planet (1)  
M671 Pts 1,6   The Home Planet(6)

VC           Planet Earth:  
550           The Blue Planet (2),  
P693 Pt 2,6   The Solar Sea (6)

VC           Earth Science: Exploring Planet Earth  
551  
Ea76s

VC           Way Station to Space: A History of the NASA  
629.40762     John C. Stennis Space Center  
W364

## Place and Time

### The Moon

VC Eclipses of the Sun and Moon  
523.99  
Ec65

## The Universe

DVD Rough Science: Gold rush and space race  
500  
R755R

DVD The elegant universe  
539.7258  
EL25E

VC Science Revises the Heavens  
303.4  
SCI27

VC Cosmos: The Shores of the Cosmic Ocean (pt1)  
520 One Voice in the Cosmic Fugue (pt2), The Har-  
C821 mony of the Worlds (pt 3), Heaven & Hell (pt4),  
Pts 1 - 13 Blues for a Red Planet (pt5), Travelers' Tales (pt 6), The Backbone of Night  
(pt7), Travels in Space and Time (pt8), The Lives of the Stars (pt9) The Edge of  
Forever (pt10), The Persistence of Memory (pt 11), Encyclopedia Galactica (pt  
12), Who Speaks for Earth (pt 13)

VC Creation of the Universe Pts 1 & 2  
523.18  
C86 Pts 1 - 2

VC Planet Earth:  
550 Tales from Other Worlds  
P693 Pt 4

## The Atmosphere

VC The Miracle Planet: Life from the Sea(3),  
550 Patterns in the Air (4)  
M671 Pts 3,4

VC The Earth: Its Atmosphere  
551.5  
Ea76

## Winds and Clouds

## Air Masses and Storms

DVD            Storm that drowned a city  
363.3492  
H942HU

DVD            Inside Hurricane Katrina  
363.34922  
IN7I

VC            Prevailing Westerlies, The Horse Latitudes, and  
551.518        The Doldrums, The Global Air Circulation  
P928

VC            What Makes Weather  
551.6  
W556

## Weather Forecasting Pollution and Climate

VC            The Pollution Solution  
363.7  
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VC            The World of Chemistry:  
540            Chemistry and the Environment  
W893 Pt 25

VC            Planet Earth: The Climate Puzzle (3),  
550            Fate of the Earth (7)  
P693 Pts 3,7

VC            The Earth Explored  
551            Deserts  
Ea76 Pt 9

## Minerals and Rocks

CD-ROM        The Wonders of Rocks and Minerals  
549  
W845

CD-ROM        The Study of Minerals  
553

ST94

VC            The World of Chemistry:  
540            The Chemistry of the Earth  
W893 Pt 18

VC            Planet Earth:  
550            Gifts from the Earth  
P693 Pt 5

VC            The Earth Explored:  
551            Rocks and Minerals (3),  
Ea76 Pt 3,4    Volcanoes (4)

VC            The Earth: Resources in Its Crust  
551.3  
Ea76

VC            Understanding Our Earth:  
552            Rocks and Minerals  
Un2

VC            Minerals Exploration  
622.159  
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## Structural Geology

VC            The Miracle Planet:  
550            Riddles of Sand  
M671Pt 5

VC            Earth: A New Perspective  
551.05  
Ea76

VC            The Earth: Its Structure  
551.1  
Ea76

## Isostasy and Diastrophism

CD-ROM      The Theory of Plate Tectonics  
551.8  
T343

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550  
M671Pt 2

The Miracle Planet:  
The Heat Within

VC  
550  
P693 Pt 1

Planet Earth:  
The Living Machine

VC  
551  
Ea76  
Pts 1,11,12,13

The Earth Explored: The Life and Work of James  
Hutton (1), The Earth / Plate Tectonics (11),  
The Alps (12, 13)

## Geologic Time

VC  
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R472 Pt. 4

The Ring of Truth: Clues

VC  
550  
G541

Goddess of the Earth

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551  
Ea76  
Pts 2,5,10,14

The Earth Explored: Form and Function of  
Fossils (2), Sandstone Secrets (5), Reefs -  
Past and Present (10), From Swamps to Coal (14)

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560  
F798

Fossils: Exploring The Past

## Surface Processes

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551  
Ea76

Earth Space Science Slide Set for Educators

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910.02  
F842

Fragile Earth

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910.02  
F957

Full Earth

VC 333 L229	Land For People, Land For Bears
VC 333.91 W53	The Wet Look
VC 551 Ea76 Pts 6,7,8	The Earth Explored: Water - A Cutting Edge With Time (6), Geothermal Energy (7), Glaciers(8)
VC 551.3 Un2	Understanding Our Earth: How Its Surface Changes
VC 551.312 Un2	Understanding Our Earth: Glaciers
VC 551.4 Ea76	The Earth: Its Oceans
VC 551.4 W291	The Water Cycle
VC 553.7 W291	Water: A Miraculous Substance
VC 581.9 V524	Vegetation Assessment

## **ZOOLOGY**

TM 574.0222 L626	Life Sciences on File
VC 508.5983 C86	Creatures of the Mangrove

VC  
591.52  
ST81

Strange Creatures of the Night

VC  
591.57  
An54

Animal Imposters

VC  
918.665  
Ex74

Exploring the Galapagos Islands

VC  
986.65  
G131

Galapagos: Beyond Darwin

## Evolution of Animal Life

### Life: General Considerations, Basic Molecules, and Origins

VC  
540.2  
B292

Basic Chemistry for Biology Students with Study Guide

## The Cell as the Unit of Life

CD-ROM  
574.87  
C33

Cell Structure and Function

VC  
574  
M697

Mitosis and Meiosis: How Cells Divide

VC  
574.32  
M478

Meiosis: The Key to Genetic Diversity

VC  
574.32  
M478m

Meiosis

VC  
574.87  
C33c

Cell Biology: Introduction to Living Cells (pt1)  
Molecular Building Blocks of Life (pt2), Chloroplast  
& Photosynthesis (pt3), Mitochondrion, ATP (pt4)

Pt 1 - 6 DNA Replication & Mitosis (pt5), Genetic Code (6)

VC Inside the Living Cell: The Cell, The Unit of Life (1)  
574.87 The Evolution of Cells (2), How Cells Obtain  
In7 Energy (3), How Cells Reproduce (4), How Cells  
Pt 1 - 6 Are Controlled (5), The Outer Envelope (6)

VC The Living Cell: DNA  
574.87  
L761

VC Mitosis  
574.87623  
M697

## Genetic Basis of Evolution

CD-ROM Exploring Genetics and Heredity  
575.1  
Ex74

CD-ROM Investigating Heredity  
575.1  
IN8

CD-ROM Mendel's Principles of Heredity  
575.11  
M522

VC Cell Biology: The Genetic Code:  
574.87 Transcription & Protein Synthesis  
C33c Pt 6

VC Biological Concepts: Medelian Genetics  
575.1 with Study Guide  
B521

VC Genetic Fix  
575.1  
G286

VC Genetic Biology  
575.1  
G286b

## Evolution of Animal Diversity

VC  
575.01  
C438

Children of Eve

VC  
575.01  
Ev64

Evolution and Human Equality

VC  
575.1  
Ev64

Evolutionary Biology

## The Earth's Environment

DVD  
599.73  
An24a

Andes: The Dragon's Back

VC  
301.3  
M311

Man and His Environment:  
In Harmony and in Conflict

## Animal Form and Function

Animal Architecture: Body Organization, Support, and Movement

Homeostasis: Osmotic Regulation, Excretion and

Temperature Control

Internal Fluids: Immunity, Circulation, and Respiration

Digestion and Nutrition

Nervous Coordination: Nervous System and Sense Organs

Chemical Coordination: Endocrine System

Animal Behavior

Reproduction and Development

The Invertebrate Animals

## Classification and Phylogeny of Animals

VC  
574.01  
T199

Taxonomy:  
How Living Organisms Differ

The Animal-Like Protists

VC            The Amoeba . . . Oozing Along  
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VC            Wee-beasties: The Protozoa  
593.1  
W416

## Phylum Porifera: Sponges

## Radiate Animals: Cnidarians and Ctenophores

## Acoelomate Animals: Flatworms, Ribbon Worms, and Jaw

## Worms

VC            Parasitism: Parasitic Flatworms  
591.5249  
P212

VC            Flatworms: Platyhelminthes  
595.12  
F617

## Pseudocoelomate Animals

## Mollusks

## Segmented Worms: The Annelids

CD-ROM      Learning All About Dissection  
591.4078      The Earthworm  
L478

## Arthropods

CD-ROM      Learning All About Dissection  
591.4078      The Crayfish  
L478

VC            The Jointed Legged Animals: Arthropods  
595.2  
J668

VC            Army Ants: A study of Social Behavior  
595.7  
Ar59

VC            Life Story of a Social Insect: The Ant  
595.7  
L626

VC            The Life of the Honeybee  
595.799  
L626

## Lesser Protostomes and Lophophorates

## Echinoderms and Lesser Deuterostomes

## The Vertebrate Animals

## Vertebrate Beginnings: The Chordates

## Fishes

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591.4078     The Fish  
L478

## The Early Tetrapods and Modern Amphibians

CD-ROM     Learning All About Dissection  
591.4078     The Frog I & II  
L478

## Reptiles

## Birds

## Mammals

CD-ROM     Learning All About Dissection  
591.4078     Dissection of a Fetal Pig I & II  
L478