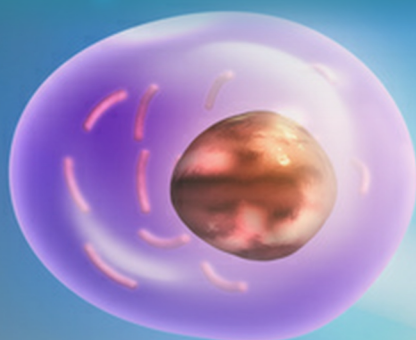
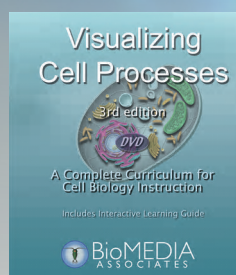


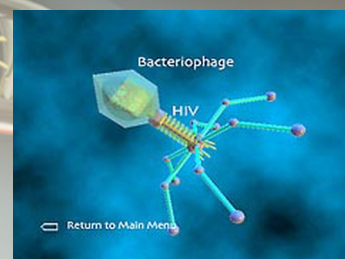
BIOLOGY DVD



VISUALISING CELL PROCESSES, 3rd Edition DVD



Visualizing Cell Processes 3rd Edition DVD is a comprehensive program for teaching, learning, and understanding cell processes. The program consists of systematically arranged topics, making it the best tool available for mastering the concepts and vocabulary of cell biology for classroom and self-paced learning. The Interactive Learning Guide on the DVD extends these lessons and covers the AP curriculum. This package includes a bonus DVD containing all five full-play programs (75 minutes). Preview programs at www.msmedia.com.au.



Overview of Living Cells - A Variety of Cells, Cell Organization, The Rise of Bacteria, Cyanobacteria & Oxygen, Eukarya Gets its Start

DNA Structure and Cell Division - Chromosome Condensation, Mitosis, Cytokinesis, Meiosis, Nucleotide Structure & Bonding, Replication Enzymes, Replicating the Strands, The Twisting Problem, Proofreading & Repair

Genetic Code and Protein Synthesis - The Protein Nature of Life, Protein Structure, Transcription, Translation & Protein Synthesis, Gene Regulation in Prokaryotes, Mutations, Introns & Exons

Organic Molecules - Carbon Bonding, Lip Structure, Protein Structure, Nucleic Acid Structure, Carbohydrate Structure

Cell Movement & Transport - The Plasma Membrane, Osmosis, Phagocytosis, Transport Proteins Pinocytosis, Golgi Function, Receptor-Mediated Endocytosis Microtubules, Lysosomes & Digestion Cilia, Motor Proteins

Photosynthesis - Chloroplast Structure, Light Trapping by Chlorophyll, The Light Dependent Reactions, Light Independent Reactions

Cellular Respiration - Glycolysis, Fermentation, Mitochondria, Krebs Cycle, Electron Transport Chain, ATP

Viruses and HIV - T-4 Bacteriophage, HIV Structure & Life Cycle

DVD C2010 Closed Caption - 15 minutes

BM-27DH.....\$ 425.10 (Ex.GST)

CORE BIOLOGY: MICROBIOLOGY AND GENETICS

Microbiology, which includes genetics, is the story of understanding how the cell works. All life is cellular life ... All animal and plant tissue is made up of cells ... All infectious diseases are caused by invading cells ... Cell division is the process of creating all complex life ... And all genetic material is contained within the cell.



The many cellular processes and the remarkable micro-world are presented in stunningly clear micro-videography in *Core Biology: Microbiology and Genetics*. Segments in this program are: 1673 - Anton Leeuwenhoek Describes Microscopic Life, 1838 - The Cellular Basis of Life, 1866 - Mendel's Laws of Inheritance, 1878 - Germ Theory of Disease, 1884 - The Structure of Cells, 1884 - Mitosis and Cell Division, 1905 - Meiosis, 1911 - Genes, 1967 - The Symbiotic Cell.

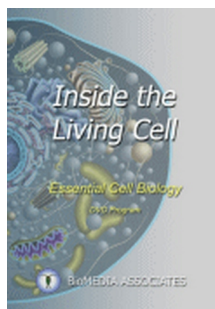


DVD C2010 Closed Caption - 15 minutes.

AB-16H.....\$ 83.66 (Ex.GST)

INSIDE THE LIVING CELL DVD

This highly visual tour of the processes that keep life operating will excite students with a new understanding of these fundamental units of life. Students learn how cells carry out the fundamental processes of life. The menu structure offers over 30 learning chapters that can be discussed and repeated as needed to assure that everyone is up to speed on the content. Modules can be pre-



The Cell – Unit of Life - Content: The Discovery of Cells, Cell Structures, Organelle Function, Cell Varieties, The Chemistry of Life

The Outer Envelope - Content: Membrane Structure, Osmosis, Transport Proteins, Active Transport, Cell Eating, Cell Drinking, Receptor Proteins

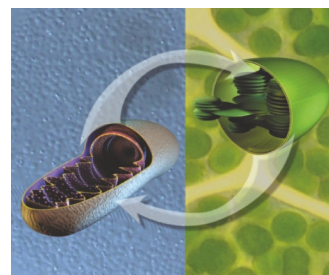
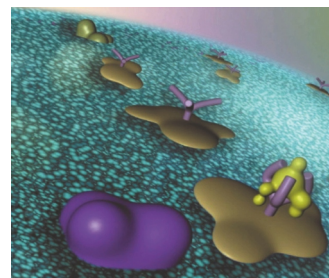
How Cells Obtain Energy - Content: ATP and Chemical Energy, Mitochondria, Aerobic Respiration, Chloroplasts, The Reactions of Photosynthesis

How Cells are Controlled - Content: The Protein Nature of Life, Enzymatic Reactions, Amino Acids and DNA, How Proteins are Built Turning on Genes

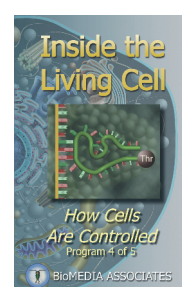
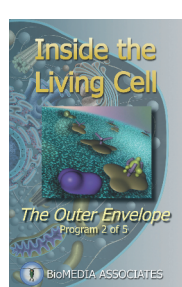
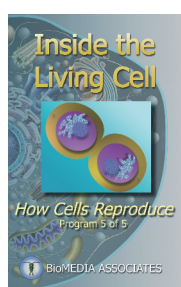
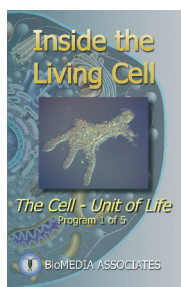
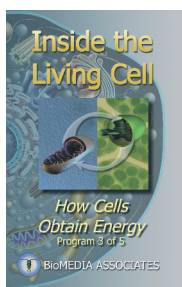
How Cells Reproduce - Content: DNA Structure, Replicating DNA Mutations Change the Genetic Code Proofreading and Repair, The Stages of Mitosis

All of these titles are available for individual purchase at \$ 66.73 each

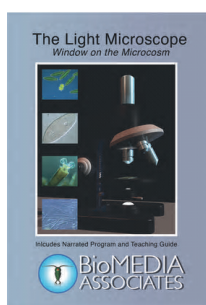
DVD C2010 Closed Caption - 15 minutes



BM-35DH.....\$ 229.59 (Ex.GST)

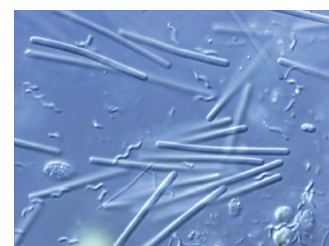


THE LIGHT MICROSCOPE: WINDOW ON THE MICROCOSM



Exploring the microworld can be enhanced using some easily applied techniques that are particularly useful for viewing living organisms. This program illustrates how to manipulate the lens and lighting systems of simple and compound microscopes for the best possible viewing of living organisms and prepared slides. Simple and compound microscopes, the limits of light, functions and techniques are covered in this program. Includes PDF Teaching Guide.

DVD C2010 Closed Caption - 15 minutes



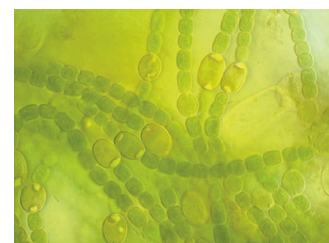
BM-26DH.....\$ 87.54 (Ex.GST)

VIRUSES AND BACTERIA DVD



This program describes the discovery of viruses and their structure, how viruses are studied, how they infect their hosts, and how they replicate. Details are provided on the T-4 bacteriophage and retroviruses such as HIV. The bacteria section uses compelling microscopy of living bacteria to examine their structure, physiology, and behavior – and the vital roles these microbes play in the biosphere, including oxygen production (cyanobacteria), decomposition, nitrogen fixation, and as parasites as well as helpful symbionts. Includes PDF Teaching Guide and Image Bank.

DVD C2010 Closed Caption - 15 minutes



BM-29DH.....\$ 141.83 (Ex.GST)