

# LIBRARY

## MULTIMEDIA PROGRAMS ADDED MAY - AUGUST 2004

### ART

Leonardo da Vinci: Mind of the Renaissance VC.ART.24

Surveys the life and work of the genius Leonardo da Vinci. Painter, sculptor, architect, engineer, and student of anatomy, physiology, botany, architecture, hydrodynamics, aeronautics, and other disciplines, he was the quintessential "Renaissance man." (52 min.)

### BIOLOGY

#### The Blue Planet: Seas of Life

A complete natural history of Earth's waters. (49 min., each pt., CC, 2001)

Ocean World VC.BIO.328

Introduces the waters that comprise 70% of the Earth's topography and examines the impact the sun and moon have on weather, tides, waves, and animal behavior.

Frozen Seas

Explores the Arctic and Antarctic habitats and the creatures that survive those harsh habitats including penguins, walrus, polar bears, migrating fish, krill, seals, and whales.

Open Ocean VC.BIO.329

Explores a sampling of marine life and looks at the biological food chain, from phytoplankton to the largest predators such as sharks and whales.

The Deep

Examines the depths of the ocean floor where marine life exists in total darkness and extreme cold. Surveys these creatures which sport luminescent colors, giant teeth, and prickly spines.

Seasonal Seas VC.BIO.330

Surveys seasonal changes in the ocean environment and the ways marine animals adapt.

Coral Seas

Explores life in the coral reef, the rainforest of the sea.

Tidal Seas VC.BIO.331

Examines the effects of tides on marine life and the surrounding land.

Coasts

Explores the coasts and how they are used as breeding grounds and nurseries by marine birds and animals.

Pale Male VC.BIO.38

The story of a red-tailed hawk that nests in Central Park in New York City. Watch as he and his mate court, breed, and teach their offspring to fly. (54 min., 2002)

## **BIOLOGY, Continued**

### **SARS: The True Story VC.BIO.39**

Discusses the emergence, spread and swift containment of the coronavirus severe acute respiratory syndrome or SARS. (50 min.)

## **BUSINESS**

### **Donald Trump: Deal Maker VC.BUS.02**

Donald Trump elevated the business of deal-making to an art form. Here is the story of the incredible rise, decline, and improbable rebirth of the man who has become a symbol of wealth and status. (50 min., 1994)

### **Medical Terminology for Health Professions, 4th ed.**

By Ann Ehrlich and Carol L. Schroeder. Delmar Publishers, 2001

#### **BUS.170 A**

Chapter 1: Introduction to Medical Terminology (9 min.)

Chapter 2: Structure of the Human Body (10 min.)

Chapter 3: Skeletal System (11 min.)

Chapter 4: Muscular System (11 min.)

Chapter 5: Cardiovascular System (11 min.)

Chapter 6: Lymphatic and Immune Systems (12 min.)

Chapter 7: Respiratory System (12 min.)

Chapter 8: Digestive System (11 min.)

#### **BUS.170 B**

Chapter 9: Urinary System (10 min.)

Chapter 10: Nervous System (12 min.)

Chapter 11: Special Senses: Eyes and Ears (11 min.)

Chapter 12: Integumentary System (11 min.)

Chapter 13: Endocrine System (13 min.)

Chapter 14: Reproductive System (11 min.)

Chapter 15: Diagnostic Procedures and Pharmacology (13 min.)

## **CHILD DEVELOPMENT**

### **Misunderstood Minds: Understanding Kids Who Struggle to Learn VC.CD.20**

Looks into the lives of five children and their families as they experience learning difficulties, undergo testing, and implement experts' recommendations. Includes the reactions of the parents, the use of specific tests to identify skills, the use of strengths to bolster weaknesses, and information about social relationships and expressive language. (90 min., CC, 2002)

### **Spectrum of Autism VC.CD.23**

Medical and educational specialists explain the varying behaviors associated with autism and discuss difficulties in diagnosing and treating children with this disorder. Parents relate experiences with their children, and an autistic adult shares her story. (34 min., 2001)

## DANCE

### Spring into Dance

An annual dance concert given by the Dance Department at Southwestern College.

Move!

Friday, May 14, 2004 DVD.DNC.01

Saturday, May 15, 2004 DVD.DNC.02

## MATHEMATICS

### Beginning and Intermediate Algebra, 3<sup>rd</sup> ed.

By Lial, Hornsby, and McGinnis. Pearson Ed., 2004

Chapter 1: The Real Number System

VC.MATH.336 A

1.1 Fractions

1.2 Exponents, Order of Operations, and Inequality

1.3 Variables, Expressions, and Equations

1.4 Real Numbers and the Number Line

VC.MATH.336 B

1.5 Adding and Subtracting Real Numbers

1.6 Multiplying and Dividing Real Numbers

1.7 Properties of Real Numbers

1.8 Simplifying Expressions

Chapter 2: Linear Equations and Inequalities in One Variable; Applications

VC.MATH.337 A

2.1 The Addition Property of Equality

2.2 The Multiplication Property of Equality

2.3 More on Solving Linear Equations

2.4 An Introduction to Applications of Linear Equations

VC.MATH.337 B

2.5 Formulas and Applications from Geometry

2.6 Ratios and Proportions

2.7 More about Problem Solving

2.8 Solving Linear Inequalities

Chapter 3: Linear Equations in Two Variables VC.MATH.338

3.1 Reading Graphs; Linear Equations in Two Variables

3.2 Graphing Linear Equations in Two Variables

3.3 The Slope of a Line

3.4 Equations of a Line

**Beginning and Intermediate Algebra, 3<sup>rd</sup> ed., Continued**

Chapter 4: Exponents and Polynomials

VC.MATH.339 A

- 4.1 The Product Rule and Power Rules for Exponents
- 4.2 Integer Exponents and the Quotient Rule
- 4.3 An application of Exponents: Scientific Notation
- 4.4 Adding and Subtracting Polynomials; Graphing Simple Polynomials

VC.MATH.339 B

- 4.5 Multiplying Polynomials
- 4.6 Special Products
- 4.7 Dividing Polynomials

Chapter 5: Factoring and Applications VC.MATH.340

- 5.1 The Greatest Common Factor; Factoring by Grouping
- 5.2 Factoring Trinomials
- 5.3 More on Factoring Trinomials
- 5.4 Special Factoring Rules
- 5.5 Solving Quadratic Equations by Factoring
- 5.6 Applications of Quadratic Equations

Chapter 6: Rational Expressions and Applications

VC.MATH.341 A

- 6.1 The Fundamental Property of Rational Expressions
- 6.2 Multiplying and Dividing Rational Expressions
- 6.3 Least Common Denominators
- 6.4 Adding and Subtracting Rational Expressions

VC.MATH.341 B

- 6.5 Complex Fractions
- 6.6 Solving Equations and Rational Expressions
- 6.7 Applications of Rational Expressions

Chapter 7: Equations of Lines; Functions VC.MATH.342

- 7.1 Review of Graphs and Slopes of Lines
- 7.2 Review of Equations of Lines; Linear Models
- 7.3 Functions
- 7.4 Variation

Chapter 8: Systems of Linear Equations VC.MATH.343

- 8.1 Solving Systems of Linear Equations by Graphing
- 8.2 Solving Systems of Linear Equations by Substitution
- 8.3 Solving Systems of Linear Equations by Elimination
- 8.4 Systems of Linear Equations in Three Variables
- 8.5 Applications of Systems of Linear Equations
- 8.6 Solving Systems of Linear Equations by Matrix Methods

**Beginning and Intermediate Algebra**, 3<sup>rd</sup> ed., Continued

Chapter 9: Inequalities and Absolute Value VC.MATH.344

- 9.1 Set Operations and Compound Inequalities
- 9.2 Absolute Value Equations and Inequalities
- 9.3 Linear Inequalities in Two Variables

Chapter 10: Roots, Radicals, and Root Functions

VC.MATH.345 A

- 10.1 Radical Expressions and Graphs
- 10.2 Rational Exponents
- 10.3 Simplifying Radical Expressions
- 10.4 Adding and Subtracting Radical Expressions

VC.MATH.345 B

- 10.5 Multiplying and Dividing Radical Expressions
- 10.6 Solving Equations with Radicals
- 10.7 Complex Numbers

Chapter 11: Quadratic Equations, Inequalities, and Functions

VC.MATH.346 A

- 11.1 Solving Quadratic Equations by the Square Root Property
- 11.2 Solving Quadratic Equations by Completing the Square
- 11.3 Solving Quadratic Equations by the Quadratic Formula
- 11.4 Equations Quadratic in Form

VC.MATH.346 B

- 11.5 Formulas and Further Applications
- 11.6 Graphs of Quadratic Functions
- 11.7 More about Parabolas; Applications
- 11.8 Quadratic and Rational Inequalities

Chapter 12: Inverse, Exponential, and Logarithmic Functions VC.MATH.347

- 12.1 Inverse Functions
- 12.2 Exponential Functions
- 12.3 Logarithmic Functions
- 12.4 Properties of Logarithms
- 12.5 Common and Natural Logarithms
- 12.6 Exponential and Logarithmic Equations; Further Applications

Chapter 13: Nonlinear Functions, Conic Sections, and Nonlinear Systems VC.MATH.348

- 13.1 Additional Graphs of Functions; Operations and Composition
- 13.2 The Circle and the Ellipse
- 13.3 The Hyperbola and Functions Defined by Radicals
- 13.4 Nonlinear Systems of Equations
- 13.5 Second-Degree Inequalities and Systems of Inequalities

**Beginning and Intermediate Algebra**, 3<sup>rd</sup> ed., Continued

Chapter 14: Sequences and Series VC.MATH.349

- 14.1 Sequences and Series
- 14.2 Arithmetic Sequences
- 14.3 Geometric Sequences
- 14.4 Nonlinear Systems of Equations

**College Algebra and Trigonometry**, 5<sup>th</sup> ed.

By Aufmann, Barker, and Nation. Houghton Mifflin, 2005

Chapter P: Preliminary Concepts

VC.MATH.132 A

P.1 The Real Number System

P.2 Integer and Rational Number Exponents

VC.MATH.132 B

P.3 Polynomials

P.4 Factoring

P.5 Rational Expressions

P.6 Complex Numbers

Chapter 1: Equations and Inequalities

VC.MATH.133 A

1.1 Linear and Absolute Value Equations

1.2 Formulas and Applications

1.3 Quadratic Equations

VC.MATH.133 B

1.4 Other Types of Equations

1.5 Inequalities

1.6 Variation and Applications

Chapter 2: Functions and Graphs

VC.MATH.134 A

2.1 A Two-Dimensional Coordinate System and Graphs

2.2 Introduction to Functions

2.3 Linear Functions

VC.MATH.134 B

2.4 Quadratic Functions

2.5 Properties of Graphs

2.6 The Algebra of Functions

2.7 Modeling Data Using Regression

Chapter 3: Polynomial and Rational Functions VC.MATH.135

3.1 The Remainder Theorem and the Factor Theorem

3.2 Polynomial Functions of Higher Degree

3.3 Zeros of Polynomial Functions

3.4 The Fundamental Theorem of Algebra

3.5 Graphs of Rational Functions and Their Applications

**College Algebra and Trigonometry, 5<sup>th</sup> ed.**, Continued

Chapter 4: Exponential and Logarithmic Functions

VC.MATH.136 A

4.1 Inverse Functions

4.2 Exponential Functions and Their Applications

4.3 Logarithmic Functions and Their Applications

4.4 Logarithms and Logarithmic Scales

VC.MATH.136 B

4.5 Exponential and Logarithmic Equations

4.6 Exponential Growth and Decay

4.7 Modeling Data with Exponential and Logarithmic Functions

Chapter 5: Trigonometric Functions

VC.MATH.137 A

5.1 Angles and Arcs

5.2 Trigonometric Functions of Acute Angles

VC.MATH.137 B

5.3 Trigonometric Functions of Any Angle

5.4 Trigonometric Functions of Real Numbers

5.5 Graphs of the Sine and Cosine Functions

VC.MATH.137 C

5.6 Graphs of the Other Trigonometric Functions

5.7 Graphing Techniques

5.8 Harmonic Motion – An Application of the Sine and Cosine Functions

Chapter 6: Trigonometric Identities and Equations VC.MATH.138

6.1 Verification of Trigonometric Identities

6.2 Sum, Difference, and Cofunction Identities

6.3 Double- and Half-Angle Identities

6.4 Identities Involving the Sum of Trigonometric Functions

6.5 Inverse Trigonometric Functions

6.6 Trigonometric Equations

Chapter 7: Applications of Trigonometry

VC.MATH.139 A

7.1 The Law of Sines

7.2 The Law of Cosines and Area

VC.MATH.139 B

7.3 Vectors

7.4 Trigonometric Form of Complex Numbers

7.5 De Moivre's Theorem

**College Algebra and Trigonometry, 5<sup>th</sup> ed.**, Continued

Chapter 8: Topics in Analytic Geometry

VC.MATH.140 A

8.1 Parabolas

8.2 Ellipses

8.3 Hyperbolas

Chapter 8: Topics in Analytic Geometry, Continued

VC.MATH.140 B

8.4 Rotation of Axes

8.5 Introduction to Polar Coordinates

8.6 Polar Equations of the Conics

8.7 Parametric Equations

Chapter 9: Systems of Equations VC.MATH.141

9.1 Systems of Linear Equations in Two Variables

9.2 Systems of Linear Equations in More Than Two Variables

9.3 Nonlinear Systems of Equations

9.4 Partial Fractions

9.5 Inequalities in Two Variables and Systems of Inequalities

9.6 Linear Programming

Chapter 10: Matrices VC.MATH.142

10.1 Gaussian Elimination Method

10.2 The Algebra of Matrices

10.3 The Inverse of a Matrix

10.4 Determinants

10.5 Cramer's Rule

Chapter 11: Sequences, Series, and Probability

VC.MATH.143 A

11.1 Infinite Sequences and Summation Notation

11.2 Arithmetic Sequences and Series

11.3 Geometric Sequences and Series

11.4 Mathematical Induction

VC.MATH.143 B

11.5 The Binomial Theorem

11.6 Permutations and Combinations

11.7 Introduction to Probability

**Mathematical Ideas**, 10<sup>th</sup> ed.

By Miller, Heeren, and Hornsby. Pearson Ed., 2004

VC.MATH.78

Chapter 1: The Art of Problem Solving

Chapter 2: The Basic Concepts of Set Theory

Chapter 3: Introduction to Logic

Chapter 4: Numeration and Mathematical Systems

Chapter 5: Number Theory

**Mathematical Ideas**, 10<sup>th</sup> ed., Continued

VC.MATH.79

Chapter 6: The Real Numbers and Their Representations

Chapter 7 A & B: The Basic Concepts of Algebra

VC.MATH.80

Chapter 8: Graphs, Functions, and Systems of Equations and Inequalities

Chapter 9 A & B: Geometry

Chapter 10 A: Trigonometry, Pt. 1

VC.MATH.81

Chapter 10 B: Trigonometry, Pt. 2

Chapter 11: Counting Methods

Chapter 12: Probability

Chapter 13: Statistics

VC.MATH.82

Chapter 14 A&B: Consumer Mathematics

Chapter 15: Graph Theory

Chapter 16: Voting and Apportionment

**PHYSICS**

The Elegant Universe VC.PHY.27

Explains how string theory promises to unite general relativity with quantum mechanics, explores the discovery and progressive acceptance of string theory, and examines the implications it could have on our understanding of the universe. Hosted by Brian Greene. (180 min., CC, 2003)

**PSYCHOLOGY**

Young Dr. Freud VC.PSY.34

Traces the early life of Sigmund Freud, from his birth in 1856 to the publication of his landmark book *The Interpretation of Dreams* in 1900. Explores the origins of his controversial theories of psychoanalysis and dream interpretation. (120 min., CC, 2002,)

**THEATER ARTS**

As You Like It DVD.TA.29

Word for word as written by William Shakespeare. With Helen Mirren, Brian Sturmer, and Richard Pasco. (150 min., English subtitles, 1978, Shakespeare Plays)

Bagdad Café DVD.TA.39

A comedy about two women at a desert truck stop motel. One is black and overworked; the other is German and overdressed. A sweet story about the common threads that connect disparate people. With C. C. Pounder and Marianne Sagebrecht. Directed by Percy Adlon. In English with French and Spanish subtitles. Letterboxed. (91 min., CC, 1988)

## **THEATER ARTS, Continued**

### **Battleship Potemkin DVD.TA.40**

A depiction of the mutiny of the crew of the Potemkin during the Russian insurrection of 1905. Directed by Sergei Eisenstein. Music score by Dmitri Shostakovich. (74 min., 1925)

### **Brazil**

A surrealistic, nightmare vision of a “perfect world where technology reigns supreme.” Directed by Terry Gilliam. With Jonathan Pryce, Robert De Niro, and Michael Palin. (131 min., 1986)

#### **The Movie DVD.TA.41 A**

#### **The Production Notebook DVD.TA.41 B**

#### **The “Love Conquers All” Version DVD.TA.41 C**

The 94-minute cut that includes the changes that Gilliam refused to make.

### **Hamlet DVD.TA.30**

Word for word as written by William Shakespeare. With Derek Jacobi, Patrick Stewart, Eric Porter, and Claire Bloom. (222 min., English subtitles, 1980, Shakespeare Plays)

### **Julius Caesar DVD.TA.31**

Shakespeare creates neither a clear-cut hero nor a villain. Instead, this great tragedy presents complicated human beings in agonizing conflict with one another and themselves. Word for word as written. With Charles Gray, Keith Michell, and Richard Pasco. (161 min., English subtitles, 1979, Shakespeare Plays)

### **Macbeth DVD.TA.32**

Told by a trio of witches that he is fated to become King of Scotland, the warrior Macbeth, aided by his wife, in his quest for power murders his king and assumes the throne. The two embark on a guilt-ridden reign of terror. Word for word as written by William Shakespeare. With Nicol Williamson and Jane Lapotire. (148 min., English subtitles, 1983, Shakespeare Plays)

### **The Magnificent Seven DVD.TA.42**

Seven gunmen are hired by poor Mexican villagers to defend them from a band of ruthless outlaws. Inspired by Akira Kurosawa’s Seven Samurai. With Yul Brynner, Steve McQueen, Charles Bronson, James Coburn, Eli Wallach, and Robert Vaughn. (127 min., CC, 1960)

### **The Merchant of Venice DVD.TA.33**

Blending tragedy and comedy, this play by William Shakespeare presents contrasts and ambiguities, the complexities of which lie in the character of Shylock, a captivating villain. Word for word as written. With Warren Mitchell and Gemma Jones. (157 min., English subtitles, 1980, Shakespeare Plays)

### **A Midsummer Night’s Dream DVD.TA.34**

Word for word as written by William Shakespeare. With Helen Mirren, Peter McEnery, Pippa Guard, and Brian Glover. (112 min., English subtitles, 1981, Shakespeare Plays)

### **Othello DVD.TA.35**

Shakespeare combines the universal theme of jealousy in love with perfectly structured scenes, a storyline that lingers in the memory, and a prime example of a tragic hero, Othello himself. Word for

word as written. With Anthony Hopkins and Bob Hoskins. (208 min., English subtitles, 1981, Shakespeare Plays)

## **THEATER ARTS, Continued**

### **Romeo and Juliet DVD.TA.36**

Word for word as written by William Shakespeare. With Sir John Gielgud, Rebecca Saire, and Patrick Ryecart. (167 min., English subtitles, 1978, Shakespeare Plays)

### **Seven Samurai DVD.TA.43**

Set in medieval Japan, this epic centers on a group of impoverished peasants who enlist the protection of seven unemployed samurai to defend their property and harvest from the brutal bandits who are terrorizing them. Groundbreaking for its visual intensity, stylistic command of movement, space and action, and its expressive emotional range and social criticism. Directed by Akira Kurosawa. With Takashi Shimura, Yosio Inaba, and Toshiro Mifune. In Japanese with English subtitles. (208 min., 1954.)

### **The Taming of the Shrew DVD.TA.37**

A comic confrontation between the sexes. Word for word as written by William Shakespeare. With John Cleese and Simon Chandler. (127 min., English subtitles, 1980, Shakespeare Plays)

### **The Tempest DVD.TA.38**

Word for word as written by William Shakespeare. With Christopher Guard and Michael Hordern. 150 min., English subtitles, 1980, Shakespeare Plays)