

LIBRARY

NEW MULTIMEDIA PROGRAMS

MARCH 2004

ANTHROPOLOGY

Journey of Man VC.ANT.03

Geneticist Spencer Wells explains his use of DNA markers to trace humankind's spread from beginnings in Africa to the position of Earth's dominant species. (120 min., CC, 2003)

BIOLOGY

Pasteur: A Contemporary View DVD.BIO.01 A&B

Describes the scientific legacy of Louis Pasteur and the work of the Institut Pasteur. Disc A contains a 30 minute video of his life; disc B contains supplementary material including quotes from his speeches and a time-line of his life. (1995)

CHILD DEVELOPMENT

Successfully Educating Preschoolers with Special Needs VC.CD.16

Describes the benefits of preschool for children with special needs and explains the special education services to which they are entitled. Includes selection of a preschool, the evaluation process into special education, preparing for school meetings, related services, and transitioning to kindergarten. (30 min., CC, 2002)

ENVIRONMENTAL STUDIES

Environmental Response Video News Magazine

Program 19, 2003 VC.ENV.129

Space Shuttle Columbia Recovery
Fisherville Mill Site, Grafton, MA

HISTORY

A Biography of America

Explores the history of the United States from a variety of perspectives. Uses first-person narratives, and archival photos, documents, and footage. Hosted by Donald L. Miller. (30 min. each part, CC, 2000)

New World Encounters VC.HIS.119

The beginnings of American history from west to east.

English Settlement

The different personalities of the English settlements in New England and Virginia in the early seventeenth century.

Growth and Empire VC.HIS.120

Benjamin Franklin and Franklin's Philadelphia. The southern colonies' slave -trade economy.

The Coming of Independence

How the English-loving colonist transforms into the freedom-loving American rebel.

A New System of Government VC.HIS.121

The creation of the Constitution of the United States. The threats to the new Republic.

Westward Expansion

The consequences of the Louisiana Purchase—for the North, the South, and the history of the country.

The Rise of Capitalism VC.HIS.122

The ideas of Adam Smith. Entrepreneurs in New England and Chicago. Chicago's transformation from marsh to metropolis.

The Reform Impulse

The Great awakening, the abolitionist movement, the women's movement, and a wave of religious fervor.

Slavery VC.HIS.123

The rift between the North's industrial economy and culture and the South's slave culture and economy. A portrait of the lives of slave and master.

The Coming of the Civil War

The succession of incidents, from "bloody Kansas" to the shots on Fort Sumpter, that lead to civil war.

The Civil War VC.HIS.124

The ferocity of the fighting. Lincoln's Emancipation Proclamation. The bitter legacy of the battle—and the war.

Reconstruction

An evocation of the battlefield after the battle of Gettysburg. The unfulfilled promise of Reconstruction.

HISTORY, Continued

A Biography of America, Continued

America at Its Centennial VC.HIS.125

Where America is in 1876. The question of race, along with how some of the early principles of the Republic remain unrealized.

Industrial Supremacy

The American Industrial Revolution in New York and Chicago. The lives of Andrew Carnegie, Gustavus Swift, and the workers.

The New City VC.HIS.126

Chicago as the place to watch at the turn of the century: the Columbian Exposition, the skyscraper, and unfettered capitalism.

The West

The railroads and ranchers, rabble-rousers and racists populating America's distant frontiers, displacing Native Americans.

Capital and Labor VC.HIS.127

Miners as the quintessential laborers of the period: their working conditions, union organizing, and battles against J. Pierpont Morgan.

TR and Wilson

The presidencies of Theodore Roosevelt and Woodrow Wilson—the Warrior and the Minister—in the first decades of the twentieth century.

A Vital Progressivism VC.HIS.128

Progressivism, with the struggles of Native Americans, Asian Americans, and African Americans placed in the context of the traditional white Progressive movement.

The Twenties

Henry Ford's Model T and moving assembly line. The emergence of a consumer culture.

FDR and the Depression VC.HIS.129

Franklin Delano Roosevelt and his programmatic and personal efforts to help the country through its worst economic crisis.

World War II

America's envelopment in total war, from mobilization on the home front to the air war in Europe. The war's effects on participants.

The Fifties VC.HIS.130

World War II's bitter end in the Pacific and the legacy of the atomic bomb. The veteran's return from the war and creation of new lies for themselves.

The Sixties

The Civil Rights movement, the Vietnam War, Watergate, Lyndon Johnson, Stokely Carmichael, and Fanny Lou Hammer among others.

Contemporary History VC.HIS.131

The last quarter of the twentieth century, with a discussion of the difficulty of examining contemporary history with true historical perspective.

The Redemptive Imagination

A discussion about the intersection of history and story with Professor Miller and novelists Charles Johnson, Arthur Golden, and Esmeralda Santiago. Closing by Kurt Vonnegut, Jr.

MATHEMATICS

Elementary Statistics, 9th ed.

By Mario F. Triola. Pearson Education, 2004.

Chapter 1: Introduction to Statistics VC.MATH.22

- 1.2 Types of Data (9 min.)
- 1.3 Critical Thinking (13 min.)
- 1.4 Design of Experiments (10 min.)

Chapter 2: Describing, Exploring, and Comparing Data

- 2.2 Frequency Tables
- 2.3 Visualizing Data (23 min.)
- 2.4 Measures of Center (14 min.)
- 2.5 Measures of Variation (17 min.)
- 2.6 Measures of Relative Standing (15 min.)
- 2.7 Exploratory Data Analysis (EDA) (11 min.)

Chapter 3: Probability VC.MATH.23

- 3.2 Fundamentals (20 min.)
- 3.3 Addition Rule (15 min.)
- 3.4 Multiplication Rule: Basics
- 3.5 Multiplication Rule: Complements and Conditional Probability (17 min.)
- 3.6 Probabilities through Simulations (7 min.)
- 3.7 Counting (18 min.)

Chapter 4: Probability Distributions VC.MATH.24

- 4.2 Random Variables (15 min.)
- 4.3 Binomial Probability Distributions
- 4.4 Mean, Variance and Standard Deviation for the Binomial Distribution (17 min.)
- 4.5 The Poisson Distribution (11 min.)

Chapter 5: Normal Probability Distributions

- 5.2 The Standard Normal Distribution (16 min.)
- 5.3 Applications of Normal Distributions (14 min.)
- 5.4 Sampling Distributions and Estimators (12 min.)
- 5.5 The Central Limit Theorem (15 min.)
- 5.6 Normal as Approximation to Binomial (12 min.)
- 5.7 Determining Normality (7 min.)

Chapter 6: Estimates and Sample Sizes VC.MATH.25

- 6.2 Estimating a Population Proportion (14 min.)
- 6.3 Estimating a Population Mean: σ Known (10 min.)
- 6.4 Estimating a Population Mean: σ Not Known (10 min.)
- 6.5 Estimating a Population Variance (9 min.)

Chapter 7: Hypothesis Testing

- 7.2 Basics of Hypothesis Testing (13 min.)
- 7.3 Testing a Claim about a Proportion (12 min.)
- 7.4 Testing a Claim about a Mean: σ Known (7 min.)
- 7.5 Testing a Claim about a Mean: σ Not Known (8 min.)
- 7.6 Testing a Claim about a Variance (15 min.)

MATHEMATICS, Continued

Elementary Statistics, 9th ed., Continued

- Chapter 8: Inferences from Two Samples VC.MATH.26
 - 8.2 Inferences about Two Proportions (15 min.)
 - 8.3 Inferences about Two Means: Independent Samples (14 min.)
 - 8.4 Inferences from Matched Pairs (14 min.)
 - 8.5 Comparing Variation in Two Samples (12 min.)

- Chapter 9: Correlation and Regression VC.MATH.27
 - 9.2 Correlation (8 min.)
 - 9.3 Regression (9 min.)
 - 9.4 Variation and Prediction Intervals (8 min.)
 - 9.5 Multiple Regression (7 min.)
 - 9.6 Modeling (17 min.)
- Chapter 10: Multinomial Experiments and Contingency Tables
 - 10.2 Multinomial Experiments: Goodness-Of-Fit
 - 10.3 Contingency Tables: Independence and Homogeneity (20 min.)
- Chapter 11: Analysis of Variance
 - 11.2 One-way ANOVA (8 min.)
 - 11.3 Two-way ANOVA (12 mi.)
- Chapter 12: Nonparametric Statistics
 - 12.2 Sign Test
 - 12.3 Wilcoxon Signed-Ranks Test (15 min.)
- Chapter 13: Statistical Process Control
 - 13.2 Control Charts for Variation and Mean
 - 13.3 Control Charts for Attributes (15 min.)

Patterns, Symmetry and Beauty VC.MATH.01

Uses mathematical principles to explore the question of why we consider some things beautiful. Includes Fibonacci numbers, fractals, and the Golden Ratio. (27 min., CC, 2002)

NURSING

Bed Bath VC.N.94

Details the techniques for performing a bed bath with emphasis on proper body mechanics throughout the procedure. (19 min., CC, 1993, Basic Clinical Skills)

Caring for the Stoma, Caring for the Patient: Enterostomal Therapy Nursing VC.N.10

Reviews the digestive systems and some of the different kinds of ostomies, the main medical conditions that may lead to the creation of an ostomy, post-operative and daily care for an ostomy and how this may differ for different sorts of ostomies. Also discusses helping the patient prepare for discharge. (23 min., CC, 2002)