Unit 11  Genetics

Learn Genetics

1. Tour of the Basic - Interactive -
2. Heredity and Traits  What Is Heredity  What Is Traits
3. Amazing Cells  Inside a Cell  - Interactive  - Cell Membrane
   How Vesicles Transport Cargo  How Cells Communicate Fight or Flight
   Cell Size and Scale  Evolution of Cell
4. Chromosome  How Do Scientists Read Chromosomes
   Molecular Genealogy  - animation –
5. Gene and Blood Types  What Is Gene  - animation -
6. DNA to Protein  What Is DNA  Build a DNA Molecule
7. Transcribe & Translate a Gene
8. Stem Cells  Nature of Stem Cells  Stem Cell Quick Reference
   Stem Cells In Use
9. Cloning  Click & Clone  Transgenic Mice
10. Virtual Labs  DNA Extraction  PCR  DNA Microarray
12. Great Salt Lake Ecology  Great Salt Lake Food Web
13. RNA and Its Roles in Biology
   What Is Needed for Life on Earth
   What Were the First Molecules to Form Life
Bio Interactive Animations

1. Stem Cells       Biological Clocks       DNA       RNA
2. Evolution        Neuroscience        Sex Determination

Virtually Biology

1. Cell Division & Life Cycle
2. Mendel Genetics       DNA       Gene Expression
3. DNA Replication & Protein Synthesis

DNA FROM THE BEGINNING

1. Classic Genetics
2. Molecules Genetics
3. Gene Organization & Control

Bio Coach Activity

1. Cell Structure       Mitosis       Meiosis
2. Mendelian Inheritance
3. DNA Structure & Replication       DNA Double Helix       Biosynthesis of DNA
4. mRNA in Prokaryotes       mRNA in Eukaryotes
5. From Gene to Protein       Transcription & Translation
       Terminal Translation       Protein Structure
6. Biomolecules       Building Biomolecules
WSU Fundamentals of Microbiology

1. Basic Principle of Life  
2. Chemistry of Life  
3. Metabolism and Biochemistry  
4. Microbiology  
   Water Microbiology  
   Food Microbiology  
   Industrial Microbiology  
   Microorganisms & Environment  
5. Virus  
6. Fundamental of Genetics  
7. Genetic Engineering

EDINFORMATICS Interactive Library

1. Biology  
   Biochemistry  
   Chemistry  
   Physics  
   Astro & Earth Science  
   Just Molecules  
2. Molecule Software  
   CHIME  
   RasMol  
   Jmol  
3. K12 Content Site  
   Physics 2000  
   MathMol Hypermedia  
   Molecular Expression  
   Human Anatomy Online  
   Cell Bio Animation  
   Explain With Molecules

Online Biology Book

1. Origin of Earth and Life  
2. Cell Structure  
3. Cell Division  
   Mitosis & Meiosis  
4. Intro to Genetics  
   DNA and Molecular Genetics  
5. Human Genetics  
   Gene Expression  
   Protein Synthesis
Wayne's Word Natural History

1. Origin of Life & Evolution, A Life Form on Mars
2. Cells, Plant v. Animal Cells, Mitosis v. Meiosis
   Properties and Structure of Cell
3. Major Divisions of Life, Five Kingdoms of Life
   Major Phyla of Animals, World of Beetles
   Self-Destructive Behavior in Male Animals
4. Ecological Adaptations I, Eco Adaptations II, Eco Adaptations II
   The Very Toxic Puffer Fish, Piranha from the Amazon River
5. Plant Genetics Hyperlinks
   Genetics of Triploid Banana, Seedless Watermelons
   Hybrid Brodiaea on Santa Rosa Plateau, A B O Blood Types
   Rh Blood Factor, Colorblindness & Baldness in People
   DNA Structure & Function, Population Genetics
   More Hybridizations in Plants, Remarkable Mother Ferns

Clermont College Biology

1... Clermont College Biology, Biology Topics
2. Cells and Organelles
2. Cell Division, Mitosis, Meiosis
3. DNA, Genetics, Linked & Sex-Linked Genes