A personalized template designed for the student with the help of teacher

Name of the Student: -----

Biology:

Main keyword as prescribed by center: Biological Diversity

The evolution history of Biological Diversity

Topics	Book
Investigating the Tree of Life	Campbell Biology
Phylogenies show evolutionary relationships - Binomial Nomenclature - Hierarchical Classification - Linking Classification and Phylogeny - What We can and Cannot Learn from Phylogenetic Trees - Applying Phylogenies - Phylogenies are inferred from morphological and molecular data - Morphological and Molecular Homologies - Sorting Homology from Analogy	Campbell Biology
Shared characters are used to construct phylogenetic trees - Cladistics - Shared Ancestral and Shared Derived Characters - Inferring Phylogenies Using Derived Characters - Phylogenetic Trees with Proportional Branch Lengths	Campbell Biology

Main Topic: DNA and Chromosomes

The Structure and Function of DNA - A DNA Molecule Consists of Two Complementary Chains of Nucleotides - How We Know: Genes are Made of DNA - Blowing bubbles - Virus cocktails - The Structure of DNA Provides Mechanism for Heredity	Essential Cell Biology
The structure of Eucaryotic Chromosomes - Eucaryotic DNA is Packaged into Multiple Chromosomes	Essential Cell Biology

- Chromosomes contain Long String of Genes - Chromosomes Exist in Different States Throughout the Life of a Cell - Interphase Chromosomes are Organized within the Nucleus - The DNA in Chromosomes Is Highly Condensed - Nucleosomes Are the Basic Units of Eucaryotic Chromosome Structure - Chromosome Packing Occurs on Multiple Levels	