

## DNA Structure/Function

Marzano Framework Biology HS

Start Date: November 21, 2011

End Date : December 02, 2011

### Why is it important?

<p>Enduring Understandings</p> <p>Be familiar with the structure and function of DNA.</p>	<p>Essential Questions</p> <p>What is the structure and function of DNA? What is the makeup of a nucleotide? How does DNA replicate? What is the purpose of DNA in heredity? What is the genome of an organism? What role does DNA mutation play in evolution?</p> <p>Learning Targets:</p> <p>Describe the structure and function of DNA. Explain the makeup of a nucleotide. Outline the steps of DNA replication. Identify the role of DNA in heredity. Recognize and describe the genome of an organism. Explain how DNA mutation can lead to evolution.</p>	<p>Key Vocabulary</p> <p>virulent transformation bacteriophage nucleotide deoxyribose nitrogenous base purine pyrimidine base-pairing rules complementary base pairs base sequence DNA replication helicase replication fork DNA polymerase semi-conservative replication mutation</p>
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### Standards

**OH\_Academic\_Content\_Standards - Science (2011) - Biology**

Content 1 Heredity

1.2 Structure and function of DNA in cells

1.4 Mutations

### Why am I teaching?

Unit Objectives
Be familiar with the structure and function of DNA

### What additional resources do I need?

Notes	Web 2.0 tools	Resources
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		PowerPoint Notes Worksheets Lab: DNA model DVD's
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## **Standards Summary - DNA Structure/Function**

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November 21, 2011 through December 02, 2011

**No Plan Available**

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### **Standards**

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